## Announcements

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**NOTICES**

Click on a topic be taken to the page where that topic is bookmarked in the main body of the document and you can read each funding opportunity listed under that topic. Home will get you back to this page where you can select another topic.

Current and archived newsletters can also be accessed on-line. Go to [http://www.unmc.edu/vcr/fundingopportunities.htm](http://www.unmc.edu/vcr/fundingopportunities.htm)
Early Independence Awards

New
National Institutes of Health (NIH)
NIH has announced a new type of research award, which will allow young scientists to essentially go from their doctorate to their own laboratory, essentially skipping the postdoctoral period that has lengthened the time to the first independent research grant.

Roughly equivalent in size to an R01, these new Early Independence Awards will require the scientist negotiate a position at a university, contingent on receiving the award. Francis Collins discusses the awards today in a Nature commentary, stating that he hopes it will encourage recipients to pursue high risk, high reward ideas. The first awards will be made next year, and funding for the program will be drawn from the Common Fund.

Amount:
LOI:
Deadline:
To learn more: [http://news.sciencemag.org/scienceinsider/2010/10/new-nih-research-award-will-let.html](http://news.sciencemag.org/scienceinsider/2010/10/new-nih-research-award-will-let.html)

Key Words:

Updated Application Guides and Non-competing Continuation Progress Report Instructions Posted

New
NOT-OD-11-022
National Institutes of Health (NIH)
The National Institutes of Health is reposting application and progress report instructions to accommodate recent changes in policy, provide instructional clarifications and update hyperlinks or correct typographical errors. No new policy or requirements are implemented that have not been previously announced in the NIH Guide for Grants and Contracts.

Amount:
LOI:
Deadline:

Key Words:

RFP Announcement: NIAID Division of Allergy, Immunology And Transplantation: Clinical Products Center (CPC) - NIH-NIAID-DAIT-NIHAI2010094

New
NOT-AI-11-008
National Institute of Allergy and Infectious Diseases (NIAID)
The following is a total small business set-aside:
It is anticipated that up to one cost reimbursement level of effort contract will be awarded for a period of one base year and six option years, beginning approximately November, 2011. RFP-NIH-NIAID-DAIT-NIHAI2010094 will be available electronically on or about November 18, 2010 and may be accessed at [http://www.fbo.gov/](http://www.fbo.gov/). Only electronic copies of the RFP will be available. All information required for the submission of an offer will be contained in the RFP. Responses to this RFP will be due approximately February 22, 2011.

Amount:
LOI:
Deadline:

Key Words:

RFP ANNOUNCEMENT: NIAID Division of Allergy, Immunology and Transplantation: Clinical Site Monitoring Center

New
NOT-AI-11-007
National Institute of Allergy and Infectious Diseases (NIAID)
The National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH), of the Department of Health and Human Services (DHHS) supports research related to the basic understanding of microbiology and immunology leading to the development of vaccines, therapeutics, and medical diagnostics for the prevention, treatment, and diagnosis of infectious and immune-mediated diseases. The NIAID, Division of Allergy, Immunology and Transplantation (DAIT) has a requirement for providing comprehensive clinical site monitoring services to fulfill its responsibilities as the funder and/or sponsor of clinical research studies.

Amount: 
LOI: 
Deadline: 
To learn more: [link]

Key Words: 

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**RFP ANNOUNCEMENT: NIAID Division of Allergy, Immunology and Transplantation: Regulatory Management Center**

*New*

**NOT-AI-11-006**
National Institute of Allergy and Infectious Diseases (NIAID)
The National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH), of the Department of Health and Human Services (DHHS) supports research related to the basic understanding of microbiology and immunology leading to the development of vaccines, therapeutics, and medical diagnostics for the prevention, treatment, and diagnosis of infectious and immune-mediated diseases. The NIAID Division of Allergy, Immunology, and Transplantation (DAIT) has a requirement for a regulatory management center that will provide Regulatory and Good Clinical Practice (GCP) compliance support to DAIT Office of Regulatory Affairs for trials conducted under all Networks funded by DAIT NIAID as well as for trials conducted by individual Principal Investigator’s funded by DAIT through a non-Network Mechanism. The scope of this contract will cover all trials whether conducted under Health Authority Application or not.

See announcement for further details

Amount: 
LOI: 
Deadline: 
To learn more: [link]

Key Words: 

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**NIH Grant Review Process Video**

National Institutes of Health (NIH)
Center for Scientific Review (CSR)
CSR has produced a series of videos to give you an inside look at how scientists from across the country review NIH grant applications for scientific and technical merit.
New and established applicants will find insights and understanding that can empower them to improve the applications and increase their chances for receiving a more positive review.

Amount: 
LOI: 
Deadline: 
To learn more: [link]

Key Words: 

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**NIGMS Administrative Supplements for Collaborative Science**

NOT-GM-08-130
National Institute of General Medical Sciences (NIGMS)
The National Institute of General Medical Sciences (NIGMS) announces the availability of funds for administrative supplements to NIGMS-funded research projects. These funds are intended to enhance ongoing research by stimulating and supporting new multidisciplinary collaborations among NIGMS grantees and other members of the scientific community. Collaborations that bring together ideas and approaches from disparate scientific disciplines are particularly encouraged, as are those involving individuals from groups that are currently underrepresented in the biomedical sciences. These collaborative activities must be within the scope of the approved aims of the parent award, and are expected to provide novel scientific approaches to the research plan for the NIGMS grantee and collaborators.

Amount: $135,000
LOI: N/R
To learn more: [link]

Key Words: Supplemental Funding, Administrative Support, General Science, Under-represented Scientists
Notice of Availability of Administrative Supplements for T32 Global Health Physician Scientist Postdoctoral Training Slots
NOT-AI-10-028
National Institute of Allergy and Infectious Diseases (NIAID)
The National Institute of Allergy and Infectious Diseases (NIAID) announces an administrative supplement program of up to $1,000,000 per year total in Fiscal Year 2011 to provide funds to NIAID-supported NRSA Institutional Research Training Grant (T32) awards for the additional appointment of postdoctoral clinical fellows engaged in global health-related research. The purpose of these administrative supplements is to allow existing T32 Institutional Research Training Programs with an overall focus on infectious diseases and a global health research capability, including collaborations with foreign clinical research sites, to add 1-2 clinical postdoctoral trainees over the remaining non-competitive segment of the parent award. The goal is to respond to and support the enthusiasm of clinical fellows eager to help solve global health problems in infectious diseases (including HIV). Additional research training will allow clinical fellows to gain international experience that will enhance their ability to function in foreign settings where many communicable diseases and associated health conditions are endemic. It will also provide research experience where other important infectious disease influences are prevalent, such as multiple co-morbidities, nutritional factors, cultural practices, and health care delivery challenges.

Amount:
LOI: N/R
Deadline: January 18, 2011
Key Words:

Alcohol, Drugs or Abuse and/or Smoking

Limited Competition: Fogarty International Research Collaboration - Basic Biomedical (FIRCA-BB) Research Award (R03)

New
PAR-11-037
National Institutes of Health (NIH)
multiple institutes
This Funding Opportunity Announcement (FOA), the “Fogarty International Research Collaboration – Basic Biomedical (FIRCA-BB) Research Award” facilitates collaborative basic biomedical research between scientists supported by the National Institutes of Health (NIH) and investigators in low-and middle-income countries (LMIC). Special consideration will be given to proposed research that addresses significant global health problems, (particularly those of high relevance to a LMIC country or region) and that includes research capacity building as a major aim of the proposed project.

Amount: $150,000
LOI: December 10, 2010; 2011; 2012

Key Words:

Mechanisms of Alcohol and Nicotine Co-Dependence (R21) and (R01)

New
PA-09-098 and PA-09-099
National Institute on Drug Abuse (NIDA)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
The purpose of this program announcement is to promote research to study neurobiological and behavioral mechanisms of dependence and how alcohol and nicotine use interact through these mechanisms to promote dependence. Such an understanding is essential to guide the development of better prevention and treatment strategies for alcohol and nicotine co-abuse.

Amount: varies
LOI: N/R
Deadline: Standard dates apply

Key Words:

Functional Genetics, Epigenetics, and Non-coding RNAs in Drug Addiction (R01), (R21) and (R03)

New
PA-11-033, PA-11-034 and PA-11-035
National Institute on Drug Abuse (NIDA)
Genetic and genomic studies have identified genes and gene variants that potentially modulate the fundamental biological mechanisms underpinning addictive processes. Discovery of these genes/variants, while extremely valuable, is only a first step in understanding molecular mechanisms of addiction. This Funding Opportunity Announcement encourages basic functional genomic research in two areas: 1. functional validation to determine which candidate genes/variants/epigenetic/non-coding RNA features have an authentic role in addictive processes, and 2. detailed elucidation of the molecular pathways and processes modulated by candidate genes/variants, particularly for those genes with an unanticipated role in addiction.

Amount: varies
LOI: N/R
Deadline: Standard dates apply

Pre-Application for the 2011 NIDA Avant-Garde Award Program for HIV/AIDS Research (X02)
2011 NIDA Avant-Garde Award Program for HIV/AIDS Research (DP1)

New
PAR-10-287 and RFA-DA-11-002
National Institute on Drug Abuse (NIDA)
The NIDA Avant-Garde Award Program for HIV/AIDS Research is meant to complement NIDAs traditional investigator-initiated grant programs by supporting individual scientists of exceptional creativity who propose high-impact research that will open new avenues for prevention and treatment of HIV/AIDS among drug abusers. The term avant-garde is used to describe highly innovative approaches that have the potential to be transformative open new areas of research or lead to new avenues of treatment and prevention for HIV/AIDS among drug abusers. The proposed research should reflect ideas substantially different from those already being pursued by the investigator or others. The research proposed must be in an area described in the Trans NIH Plan for HIV-Related Research http://www.oar.nih.gov/strategicplan/fy2011/index.asp. The 2011 Avant-Garde Award competition will proceed in two phases. The first phase is a pre-application phase in response to PAR-10-287.

Amount: $2,500,000
LOI: N/R
Deadline: Pre-Application February 11, 2011; Final Application: May 26, 2011

The Development Of Frontal Cortex And Limbic System And Their Roles In Drug Abuse (R01)

New
PA-11-027
National Institute on Drug Abuse (NIDA)
This Funding Opportunity Announcement (FOA) issued by NIDA encourages Research Project Grant (R01) applications from institutions/organizations that propose to study the development of the frontal and prefrontal cortices, together with the subcortical areas of the limbic system, that play significant roles in mediating emotional and motivated behavior. This initiative is designed to support the basic neuroscience research into the fundamental mechanisms of development of the frontal and prefrontal cortices, as well as the midbrain and basal forebrain structures that mediate a number of functions related to drug abuse and psychiatric disorders including: the euphoric properties of drugs, actions of psychotherapeutic agents, and memory, cognitive and emotional functions. An additional major goal of this initiative is to understand how exposure to drugs of abuse affects the cellular and molecular mechanisms underlying nervous system development of circuits implicated in drug reward and addiction.

Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-11-027.html

Collaborative R01s for Clinical and Services Studies of Mental Disorders, AIDS and Alcohol Use Disorders (R01)

PAR-09-153
NIH – Multiple Institutes
The National Institute of Mental Health (NIMH) and the National Institute on Alcohol Abuse and Alcoholism (NIAAA) seek to support collaborative intervention trials in the treatment, prevention or rehabilitation of those with mental disorders and alcohol use disorders and comorbid mental disorders. Support is also provided for other collaborative clinical studies, including but not limited to mental health services research, AIDS, genetics, psychopathology, stigma, and cultural and social processes. This Funding Opportunity Announcement (FOA) should be used when two or more sites are needed to complete the study. Accordingly, the collaborating studies
share a specific protocol across the sites and are organized as such in order to increase sample size, accelerate recruitment, or increase sample diversity and representation. In studies with a large number of sites, it is expected that one site will be submitted as a coordinating site for data management and/or other centralized administration. For a linked set of collaborative R01s, each site has its own Project Director/Principal Investigator and the program provides a mechanism for cross-site coordination, quality control, database management, statistical analysis, and reporting.

**Amount:** varies

**LOI:** N/R

**Deadline:** Standard dates apply


**Key Words:** Alcohol Abuse, Mental Disorders, Comorbid Mental Disorders

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**PAS-08-041**

**NIH**

The National Institute on Drug Abuse (NIDA) invites research applications aimed at design, synthesis, and preclinical testing of potential treatment agents for drug addiction and/or relapse prevention. Recent advances in molecular neurobiological mechanisms underlying drug addiction provide a basis for development of new therapeutic targets and chemical entities to treat and prevent relapses of drug addiction.

**Amount:** $150,000

**LOI:** N/R

**Deadline:** multiple, see link; continuous


**Key Words:**

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**Health Services Research on the Prevention and Treatment of Drug and Alcohol Abuse**

[(R01) PA-08-263] and [(R21) PA-08-264] and [(R03) PA-08-265]

**PA-08-263 and PA-08-264 or PA-08-265**

**National Institutes of Health (NIH)**

This Funding Opportunity Announcement (FOA) issued by the National Institute on Drug Abuse (NIDA) and the National Institute on Alcohol Abuse and Alcoholism (NIAAA) encourages Research Project Grant (R01) applications on health services research to improve the quality of prevention and treatment services for drug and alcohol abuse. Such research projects might emphasize any of the following subjects: (1) clinical quality improvement; (2) organizational/managerial quality improvement; (3) systems of care and collaborative research; or (4) development or improvement of research methodology, analytic approaches, and measurement instrumentation used in the study of drug and alcohol services. -Mechanism of Support. This FOA will utilize the NIH Research Project Grant (R01) award mechanism and runs in parallel with FOAs of identical scientific scope, PA-08-264 and PA-08-265 that encourage applications under the Exploratory/Developmental Grant (R21) and Small Research Grant (R03) award mechanisms, respectively.

**Amount:** varies

**LOI:** N/R

**Deadline:** Standard dates apply


**Key Words:** Drug Addiction, Treatment Plans, Drug and Alcohol Services

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**Economics of Treatment and Prevention Services for Drug & Alcohol Abuse**

[(R03) PA-08-172] and [(R21) PA-08-173] and [(R01) PA-08-174]

**PA-08-172 and PA-08-173 or PA-08-174**

**National Institute on Drug Abuse**

**National Institute on Alcohol Abuse and Alcoholism**

This Funding Opportunity Announcement (FOA) issued by the National Institute on Drug Abuse (NIDA) and the National Institute on Alcohol Abuse and Alcoholism (NIAAA) encourages Research Project Grant (R03) applications on the economics of prevention and treatment services for drug and alcohol abuse. Such research projects might emphasize any of the following subjects: (1) financing and purchasing of drug and alcohol treatment and prevention services, including studies of health insurance and payment mechanisms; (2) economic incentives used to improve the quality and economic efficiency of treatment and prevention services (3) alternative delivery systems and managed care; (4) cost-benefit, cost-effectiveness, or cost-utility analyses; (5) service costs, production, and economic efficiency; and (6) research to develop or improve methods to be used in the economic study of drug and alcohol services. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. The R03 is intended to support small research projects that can be carried out in a short period of time with limited resources.

**Amount:** $50,000

**LOI:** N/R
Accelerating the Pace of Drug Abuse Research Using Existing Epidemiology, Prevention, and Treatment Research Data (R01)

PAR-10-018
National Institute on Drug Abuse (NIDA)
National Cancer Institute (NCI)
Office of Behavioral and Social Science Research (OBSSR)
The National Institute on Drug Abuse (NIDA) and the National Cancer Institute (NCI) invite applications to support the innovative analysis of existing social science and behavioral data to study the etiology and epidemiology of drug using behaviors (defined as alcohol, tobacco, and other drug), HIV risk behaviors, related disorders, prevention and treatment of these behaviors, and health service utilization including quality, access, and costs. NIDA and NCI encourage coordinated analyses of substance abuse research data that are in public use or that are privately held by a principal investigator.

Amount: $450,000
LOI: N/R
Deadline: Standard dates apply
Key Words: Risk Behaviors

Unique Interactions Between Tobacco Use and HIV/AIDS

[(R01) PA-08-253] and [(R03) PA-08-254]
PA-08-253 and PA-08-254
National Institute on Drug Abuse (NIDA)
Fogarty International Center (FIC)
The purpose for this FOA issued by the National Institute on Drug Abuse and the Fogarty International Center encourages Research Project Grant (R01) applications from institutions/organizations that propose to stimulate research related to the unique, interactive health effects of cigarette smoking and HIV/AIDS.

Amount: unspecified
LOI: N/R
Deadline: Standard dates apply
Key Words: Smoking, AIDS/HIV

Building System Capacity for Implementing Evidence-Based Practices in Substance Abuse Treatment and Prevention (R34)

PA-09-105
National Institute on Drug Abuse (NIDA)
This Funding Opportunity Announcement (FOA) issued by the National Institute on Drug Abuse, National Institutes of Health, provides resources to facilitate research on the adoption, implementation, and sustainability of evidence-based clinical treatment practices, prevention approaches, and business practices in community-based service delivery settings. It is intended to foster collaboration between service providers and entities that directly influence their capacity to deliver such practices, including Single State Agencies, other funders, licensing and regulatory bodies, referral sources, educational entities, and other social services agencies that interact with the treatment and prevention systems. Applications are encouraged that will advance the field of implementation science while simultaneously building the capacity of systems and service providers to conduct process improvement research. Applicants may propose to pilot test proven clinical or business practices across service delivery settings, or to study the downstream effect of changes in State or other system-level policies on program capacity to implement evidence-based practices. This FOA encourages collection of preliminary data needed to inform approaches to the eventual scaling-up of selected practices to broader, sustained implementation.

Amount: $450,000
LOI: N/R
Deadline: Standard dates apply
Key Words: Addictions, Treatment Program Evaluation

NIDA Mentored Clinical Scientists Development Program Award in Drug Abuse and Addiction (K12)
PAR-10-177
National Institute on Drug Abuse (NIDA)
The goal of NIH-supported career development programs is to help ensure that a diverse pool of highly trained scientists is available in adequate numbers and in appropriate research areas to address the Nation's biomedical, behavioral, and clinical research needs. This funding opportunity announcement (FOA) encourages applications for institutional research career development (K12) programs that propose to support intensive supervised research training and career development experiences for clinician scientists (scholars) leading to research independence in the area of drug abuse and addiction. Candidates selected for support as scholars must hold a clinical or research doctorate and can commit a minimum of 9 person-months (equivalent to 75% of full-time professional effort) conducting clinical research and career development activities associated with the proposed program.

Amount: $500,000
LOI: N/R
Deadline: Standard dates apply

**Key Words:**
AIDS-Science Track Award for Research Transition (R03) PAR-10-021
National Institute on Drug Abuse (NIDA)
This funding opportunity announcement (FOA) by the National Institute on Drug Abuse seeks to facilitate the entry of both newly independent and early career investigators to the area of drug abuse research on HIV/AIDS. This FOA, AIDS-Science Track Award for Research Transition (A-START), encourages Small Research Grant (R03) applications to support research projects on drug abuse and HIV/AIDS that can be carried out in a short period of time with limited resources. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology.

Amount: $200,000
LOI: N/R
Deadline: Standard dates apply

**Key Words:**
HIV/AIDS, Drug Abuse

**Pilot and Feasibility Studies in Preparation for Drug Abuse Prevention Trials (R34)**
PA-09-146
National Institute on Drug Abuse (NIDA)
This FOA for R34 applications seeks to support: (a) pilot and/or feasibility testing of new, revised, or adapted preventive intervention approaches targeting the initiation of drug use, the progression to abuse or dependence, and the acquisition or transmission of HIV infection among diverse populations and settings; and (b) pre-trial feasibility testing for prevention services and systems research. The NIDA R34 mechanism does not support the development of intervention protocols, manuals, or the standardization of protocols. It is expected that research conducted via this R34 mechanism will consist of early stage efficacy, effectiveness or services research that will provide intervention pilot and/or feasibility data that is a pre-requisite for submitting larger drug abuse and/or drug-related HIV prevention intervention studies.

Amount: $450,000
LOI: N/R
Deadline: Standard dates apply
To learn more: [http://grants.nih.gov/grants/guide/pa-files/PA-09-146.html](http://grants.nih.gov/grants/guide/pa-files/PA-09-146.html)

**Key Words:**
Drug Use, Progression to Addiction

**Cutting-Edge Basic Research Awards (CEBRA) (R21)**
PAR-09-222
National Institute on Drug Abuse (NIDA)
The National Institute on Drug Abuse (NIDA) Cutting-Edge Basic Research Award (CEBRA) is designed to foster highly innovative or conceptually creative research related to drug abuse and addiction and how to prevent and treat them. It supports research that is high-risk and potentially high-impact that is underrepresented or not included in NIDA's current portfolio. The proposed research should: (1) test a highly novel and significant hypothesis for which there is scant precedent or preliminary data and which, if confirmed, would have a substantial impact on current thinking; and/or (2) develop or adapt innovative techniques or methods for addiction research, or that have promising applicability to drug abuse research.

Amount: $250,000
LOI: N/R

**Key Words:**
Drug Abuse, Addictions
Drug Abuse Aspects of HIV/AIDS (R01) and (R21) and (R03)  
PA-10-129 and PA-10-130 and PA-10-131  
National Institute on Drug Abuse (NIDA)  
This FOA issued by the National Institute on Drug Abuse (NIDA), National Institutes of Health (NIH), encourages Research Project Grant (R01) applications to examine the drug abuse aspects of HIV/AIDS, including research on drug-related risk behaviors, addiction and HIV disease, and drug use/HIV-related comorbidities and consequences. Proposals are needed to identify and predict changes in the epidemiology of HIV/AIDS among injection and non-injection drug users and among their sexual partners, to develop and test primary and secondary drug abuse and HIV prevention and treatment interventions, to improve HIV testing, counseling, and treatment services for those living with HIV/AIDS, and to address basic mechanisms involved in HIV infection and AIDS pathogenesis in the context of drug abuse and addiction.  
Amount: varies  
LOI: N/R  
Deadline: Standard dates apply  
Key Words: HIV/AIDS, Drug Abuse

Drug Abuse Dissertation Research: Epidemiology, Prevention, Treatment, Services, and/or Women and Sex/Gender Differences (R36)  
PAR-10-020  
National Institute on Drug Abuse (NIDA)  
The purpose of this Funding Opportunity Announcement (FOA) is to invite applications for support of drug abuse doctoral dissertation research in epidemiology, prevention, treatment, services, and/or women and sex/gender differences.  
Amount: $100,000  
LOI: N/R  
Deadline: Standard dates apply  
Key Words: Drug Abuse

Assay Development for High Throughput Screening for Nicotinic Receptor Subunits (R21)  
RFA-DA-11-007  
National Institute on Drug Abuse (NIDA)  
This FOA seeks applications proposing to develop biological assays for constitutive receptor combinations involving α3, α5, α6, and/or β4 subunits, suitable ultimately for configuration as high throughput screening (HTS) assays. Once developed, these HTS-ready assays can, and will be expected to be, submitted for screening (http://grants.nih.gov/grants/guide/notice-files/NOT-RM-09-011.html) by the National Institutes of Health (NIH) Molecular Libraries Production Centers Network (MLPCN) to identify biologically active compounds in a large library of small molecule chemical structures. The chemical structures uncovered through development and use of these assays could then be used for selective ligand development and as possible lead molecules to guide drug discovery in the development of tobacco smoking cessation medications.  
Amount: $150,000  
LOI: December 18, 2010  
Deadline: January 18, 2011  
Key Words:

Drug Abuse Epidemiology and Services Research in Cooperation with the Clinical and Translational Science Awards Consortium (R01)  
PAS-09-001  
National Institute on Drug Abuse (NIDA)  
Through this program announcement with set aside (PAS), the National Institute on Drug Abuse (NIDA) invites applicants to develop innovative drug abuse epidemiology or health services research in cooperation with academic centers supported through the NIH Clinical and Translational Science Awards (CTSA) consortium. A major NIH initiative, the CTSA consortium is transforming how clinical and translational research is conducted, building an infrastructure for multidisciplinary researchers and clinicians to perform research and develop new treatments more efficiently. As a part of this infrastructure, CTSA sites have established partnerships with a range of clinical settings and have access to large, multi-generational population cohorts. These features of the CTSA sites offer a unique opportunity for researchers to integrate drug abuse epidemiology and health services research in these settings. Applicants are asked to propose innovative drug abuse research which builds upon the resources available at CTSA sites, resources which would include CTSA efforts to strengthen networks of clinical sites and to establish innovative information technologies, phenotyping systems, and
biobanks. A broad range of drug abuse epidemiology and health services research areas will be supported under the auspices of this FOA.

**Amount:** $2,500,000  
**LOI:** N/R  
**Deadline:** Standard dates apply  
**To learn more:** [http://grants.nih.gov/grants/guide/pa-files/PAS-09-001.html](http://grants.nih.gov/grants/guide/pa-files/PAS-09-001.html)

**Key Words:** CTSA, Epidemiology, Drug Abuse Treatment

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**Drug Abuse Prevention Intervention Research**  
**(R01) PA-08-217 and (R21) PA-08-218 and (R03) PA-08-219**  
**PA-08-217 and PA-08-218 and PA-08-219**  
**National Institute on Drug Abuse (NIDA)**

The purpose of this FOA is to encourage Research Project Grant (R01) applications from institutions/organizations that propose to advance the science of drug abuse and drug-related HIV prevention through 1) the development of novel prevention approaches, 2) the testing of novel and adapted prevention intervention approaches 3) the elucidation of processes associated with the selection, adoption, adaptation, implementation, sustainability, and financing of empirically validated interventions, and 4) the development of new methodologies suitable for the design and analysis of prevention research studies. Programs of research are intended to provide pathways toward the discovery of population-level approaches for the prevention of drug abuse and dependence, drug-related problems (such as interpersonal violence, criminal involvement, and productivity loss), and drug related illness (such as comorbid drug and mental health problems or comorbid infections including HIV, hepatitis B, and hepatitis C).

**Amount:** varies  
**LOI:** N/R  
**Deadline:** Standard dates apply  

**Key Words:** Drug Abuse, Drug Dependence

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**Technology-Based Adherence Interventions for Substance Abusing Populations with HIV (R01) and (R34)**  
**PAS-10-097 and PAS-10-098**  
**National Institute on Drug Abuse (NIDA)**

Through this FOA, the National Institute on Drug Abuse (NIDA) seeks to stimulate and support research on the determination of efficacy and potency of interventions that utilize technological tools (e.g., mobile enabling technologies, Ecological Momentary Assessment (EMA), enhanced Medication Event Monitoring System, computer software, portable digital devices, cell phone and/or Digital Assistant Device among others) to foster adherence to Human Immunodeficiency Virus (HIV) treatment regimens among substance abusing populations in naturally occurring timeframes and contexts. Multidisciplinary collaboration between social scientists, medical (physician/nurse) researchers and technology experts to develop and refine mobile technological instrumentation, e-health technology and software as interventions (or as part of interventions) that foster adherence to HIV treatment regimens and access to care in real time is encouraged.

**Amount:** varies  
**LOI:** N/R  
**Deadline:** Standard dates apply  

**Key Words:** Treatment Regimens, HIV/AIDS

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**Mechanism for Time-Sensitive Drug Abuse Research (R01)**  
**PAR-10-072**  
**National Institute on Drug Abuse (NIDA)**

This Funding Opportunity Announcement (FOA) is issued by the National Institute on Drug Abuse (NIDA), National Institutes of Health (NIH). The FOA is intended to support substance abuse prevention and treatment services research in rapidly evolving areas (e.g., changes in service systems, health care financing, policy, natural/man-made disasters, etc) where opportunities for empirical study are, by their very nature, only available through expedited review and award of support. There are three distinguishing features of an eligible study: 1) the study’s scientific value and feasibility are clear, 2) rapid review and funding are required in order for the scientific question to be answered, and 3) the knowledge gained from the study is time-sensitive and seeking funding through the regular NIH cycle of review and award would result in a missed opportunity to conduct the research. It should be clear that the research question offers an uncommon and scientifically significant research opportunity that could only become available if the project is initiated with minimum delay.

**Amount:** varies  
**LOI:** 4 weeks prior to planned submission date
NIDA Program Project Grant Applications (P01)
PAR-10-244
National Institute on Drug Abuse (NIDA)
This FOA issued by the National Institute on Drug Abuse (NIDA), National Institutes of Health (NIH), is to provide support for applications from institutions/organizations that propose broadly based investigative efforts with a well defined central focus or object to address critical issues in drug abuse and addiction involving neuroscience, behavior, prevention, treatment, epidemiology, etiology, health services, HIV/AIDS or other drug abuse-related research areas.
Amount: varies
LOI: August 25, 2010
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-244.html
Key Words: Substance Abuse Prevention, Policy

NIDA Core “Center of Excellence” Grant Program (P30)
PAR-10-220
National Institute on Drug Abuse (NIDA)
NIDA Core Center of Excellence Grants (P30) are intended to bring together investigators currently funded by NIH or other Federal or non-Federal sources, to enhance the effectiveness of existing research and also to extend the focus of research to drug abuse and addiction. It is expected that a Center will transform knowledge in the sciences it is studying. Incremental work should not be the focus of Center activities; rather, new and creative directions are required. A P30 should integrate and promote research in existing funded projects, to achieve new and creative directions. It is expected that individual core activities reflect a relationship to the integrating theme of the Center and the Center is expected to support the education, training, and mentoring of new investigators, and share findings, data and their resources.
Amount: varies
Deadline: September 25, 2011, September 25, 2012 (AIDS application dates differ, see program announcement)
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-220.html
Key Words:

NIDA Research "Center of Excellence" Grant Program (P50)
PAR-10-189
National Institute on Drug Abuse (NIDA)
This FOA is to provide support for research Centers that conduct drug abuse and addiction research in any area of NIDA's mission, that have outstanding innovative science, that are multidisciplinary, thematically integrated, synergistic, and that serve as national resource(s) to provide educational and outreach activities to drug abuse research communities, educational organizations, the general public, and policy makers in the NIDA research fields. It is expected that a Center will transform knowledge in the sciences it is studying. Incremental work should not be the focus of Center activities; rather, new and creative directions are required. The P50 Center of Excellence is expected to support the education, training, and mentoring of new investigators who would be given meaningful roles to play in the Center projects. NIDA Centers are expected to share their findings, their data and their resources, and to serve as national research resources in the drug abuse research field.
Amount: varies
Deadline: September 25, 2011, September 25, 2012
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-189.html
Key Words:

Collaborative Clinical Trials in Drug Abuse (Collaborative R01)
PAR-10-099
National Institute on Drug Abuse (NIDA)
The National Institute on Drug Abuse (NIDA) seeks to increase the clinical collaboration of investigators between multiple clinical research groups, while simultaneously facilitating the study of outcome measures and/or patient populations that require larger numbers of subjects than any single site can reasonable enroll.
Amount: $2,500,000
Medications Development for Polydrug Addiction Treatment

[(R01) PAS-08-186] and  [(R21) PAS-08-187]

PAS-08-186 and PAS-08-187

National Institute on Drug Abuse

The National Institute on Drug Abuse (NIDA) is seeking medication discovery and development research grant applications focused on the treatment of patients who are simultaneously addicted to multiple substances, including alcohol, tobacco, illicit drugs and/or prescription drugs. Novel proposals for clinical or preclinical testing of potential medications, as well as relevant animal model development and medicinal chemistry efforts are encouraged.

Amount:  $2,500,000

LOI:  N/R

Deadline:  Standard dates apply


Key Words:  Substance-Related disorders, Pharmacological Treatment, Behavioral Therapy, Neuroimaging, Infectious Disease Transmission

Medications Development for the Treatment of Pregnant/Postpartum Women with Substance Related Disorders and/or In Utero Substance Exposed Neonates (R01) and (R21)

PA-09-106 and PA-09-107

National Institute on Drug Abuse

The purpose of this FOA is to foster the development of novel pharmacological strategies for the treatment of pregnant/postpartum women with Substance Related Disorders (SRDs) and/or in utero substance exposed neonates. To that end, this FOA issued by NIDA, National Institutes of Health, will encourage applications to implement preclinical and clinical research directed towards: 1) the identification, evaluation, and development of safe and effective novel pharmacotherapies (e.g., new chemical entities or immunotherapies) for the treatment of pregnant/postpartum women with SRDs and/or in utero substance exposed neonates, and/or 2) the evaluation of the safety and efficacy of FDA approved medications (e.g., medications approved for a different indication) for the treatment of pregnant/postpartum women with SRDs and/or in utero substance exposed neonates.

Amount:  varies

LOI:  N/R

Deadline:  Standard dates apply


Key Words:  Drug Abuse, Drug Development

Mechanisms of Alcohol-Induced Tissue Injury (R01)

PA-08-164

National Institute on Alcohol Abuse and Alcoholism

National Heart, Lung, and Blood Institute

The National Institute on Alcohol Abuse and Alcoholism (NIAAA), National Heart Lung and Blood Institute (NHLBI), National Institutes of Health (NIH), solicit the submission of investigator-initiated research grant applications to support research investigating the Mechanisms of Alcohol Induced Tissue Injury in diverse groups and across the life span.

Amount:  $250,000

LOI:  N/R

Deadline:  Standard dates apply

To learn more:  http://grants.nih.gov/grants/guide/pa-files/PA-08-164.html

Key Words:  Alcohol, Tissue Damage, Alcohol Disease

Senior Scientist Research and Mentorship Award (K05)

PA-09-076

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

The Senior Scientist Research and Mentorship Award (K05) is intended to provide outstanding senior scientists protected time to focus on and enhance their research and to carry out mentoring of new investigators. Candidates for the Senior Scientist Research and Mentorship Award (K05) should be recognized leaders in the alcohol, or drug abuse, or related research fields who have demonstrated...
a sustained, high level of productivity and a distinguished record of original contributions in their field, and whose expertise and contributions to these research fields will continue to be critical to the missions of the NIAAA or NIDA. Each candidate must demonstrate both the need for protected time to further their field of research and a commitment to serve as a mentor to new investigators or junior faculty who are currently performing or will begin to perform alcohol, or drug abuse, or related research. Mentored investigators should have an independent, full-time appointment at their institution; this can be in either non-tenure or tenure-track positions.

Amount: up to $450,000
LOI: N/R
Deadline: Standard dates apply

**Key Words:** Alcohol abuse, Drug abuse

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**Nutrition and Alcohol-Related Health Outcomes (R01), (R03), and (R21)**

PA-10-239, PA-10-240 and PA-10-241

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

National Cancer Institute (NCI)

This Funding Opportunity Announcement (FOA) issued by the National Institute on Alcohol Abuse and Alcoholism (NIAAA) and the National Cancer Institute (NCI) encourages Research Grant (R01) applications from institutions/organizations that propose to examine associations between nutrition and alcohol-related health outcomes in humans and animal models. The goal of this program announcement is to stimulate a broad range of research on the role of nutrition in the development, prevention, and treatment of a variety of alcohol-related health outcomes including alcohol dependence and psychiatric co-morbidities, chronic and acute diseases, and organ function and damage. Study designs may include biomedical research, epidemiologic approaches, and intervention studies.

Amount: varies
LOI: N/R
Deadline: Standard dates apply

**Key Words:** Alcohol, Decision-Making, and Adolescent Brain Development (R01) and (R21)

PA-09-097 and PA-09-096

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

This FOA issued by the National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, encourages Research Project grants (R01) applications from institutions/organizations that propose to study decision-making processes in adolescents as they relate to drinking behavior, and the role of neural circuitry development in adolescent decision-making and alcohol abuse and dependence.

Amount: unspecified
LOI: N/R
Deadline: Standard dates apply

**Key Words:** Alcoholism, Adolescent Behavior

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**Stress Pathways in Alcohol Induced Organ Injury and Protection (R01) and (R21)**

PA-10-093 and PA-10-094

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

This Funding Opportunity Announcement (FOA) issued by the National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, encourages Research Project Grant (R01) applications that propose studying the role of cellular stress responses, the cytoplasmic classical stress response or heat shock response (HSR) and the endoplasmic reticulum (ER) stress, in alcohol-induced tissue injury and tissue protection. While excessive alcohol use causes organ damage, moderate alcohol consumption may be beneficial. The underlying molecular mechanisms for this apparent dichotomy of alcohol’s harmful and salutary effects are currently not fully understood. Alcohol induces cellular stress pathways in the cytoplasm and in the endoplasmic reticulum that may significantly be involved in alcohol-induced tissue injury or mediate tissue protection depending on the quantity, frequency, duration, and temporal pattern of drinking. Hence, studies of the effects of alcohol on cellular stress pathways are critical to understand the mechanisms of alcohol-induced injuries or protection to develop new strategies for prevention, diagnosis and treatment. The purpose of this FOA is to: (1) acquire insight into how acute or chronic alcohol consumption affects cellular stress pathways and in turn, how these changes contribute to alcohol-induced injury/protection; (2) investigate how alcohol induced stress responses mediate cell survival and death signaling pathways at macromolecular, organelle, cellular and organism level contributing to alcohol-induced tissue injury/protection; (3) develop potential stress related biomarkers for prognosis, diagnosis of tissue injury/protection, furthermore identify new targets for their therapeutic interventions. Utilizing innovative experimental design and emerging technologies, such as deep sequencing, genomics, proteomics, metabolomics, bioinformatics, and novel imaging techniques these investigations are expected to provide a more...
comprehensive understanding of how alcohol affects the evolutionally conserved stress pathways and elucidate their roles in tissue injuries and repair.

**Amount:** varies
**LOI:** N/R
**Deadline:** Standard dates apply


**Key Words:** Alcohol-Induced Tissue Injury

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**The Role of Cellular Organelles in Alcohol-Induced Tissue Injury (R01) and (R21)**

PA-10-085 and PA-10-086
National Institute on Alcohol Abuse and Alcoholism (NIAAA)

This Funding Opportunity Announcement (FOA) issued by the National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, encourages Research Project Grant (R01) applications that propose to study biological processes involving the cellular organelles in alcohol-induced tissue injury. Excessive alcohol consumption can damage many organ systems including the liver, heart, pancreas, brain, and lung. However, the mechanisms for these injuries are currently not fully understood. Cellular organelles play an important role in cellular functions and are significantly involved in alcohol-induced tissue injury. Thus, studies of alcohol’s effects on the structure and function of cellular organelles are critical to better understand the mechanisms of alcohol-induced injuries and to develop new strategies for their diagnosis and treatment. The purpose of this FOA is to: (1) better understand how acute or chronic alcohol consumption affects the structure and function of cellular organelles, and in turn, how these changes contribute to alcohol-induced injury; (2) investigate how variations of proteins in cellular organelles, or their regulation and function, including cellular signaling pathways, contribute to an individual’s response to acute or chronic alcohol intake and alcohol-induced tissue injury; (3) develop potential biomarkers for prognosis and diagnosis of tissue injury, or identify new targets for therapeutic interventions. This FOA aims to foster the utilization of innovative experimental design and emerging technologies, such as genomics, proteomics, metabolomics, bioinformatics, as well as novel microscopic imaging techniques that illuminate functions in intact cells and tissues, to generate new mechanistic and clinical insights into alcohol-induced tissue injuries.

**Amount:** varies
**LOI:** N/R
**Deadline:** Standard dates apply


**Key Words:** Alcohol-Induced Tissue Injury

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**Alcohol Research Education Project Grants (R25)**

PAR-08-082
National Institute on Alcohol Abuse and Alcoholism (NIAAA)

The National Institute on Alcohol Abuse and Alcoholism (NIAAA) supports research programs to advance understanding of the biological and behavioral processes involved in the development, expression, and consequences of alcoholism and other alcohol-related problems. The Institute also supports prevention, treatment, and health services research on alcohol abuse and alcoholism. A part of the NIAAA mission is the dissemination of new knowledge acquired from alcohol research to diverse audiences, including scientists, educators, clinicians, and other health and social service providers, patients and their families, professionals within the criminal justice system, and the general public. This FOA identifies the research activity on alcohol education of Health Professions that NIAAA will consider for award through Research Education grants (R25).

**Amount:** $500,000
**LOI:** N/R
**Deadline:** Standard dates apply


**Key Words:** Alcohol, Alcohol Related Problems, Education

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**NIAAA Collaborative Centers for HIV/AIDS and Alcohol Outcomes Research (U01, U24)**

RFA-AA-11-003
National Institute on Alcohol Abuse and Alcoholism (NIAAA)

This FOA issued by the National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, solicits grant applications from consortiums of researchers across different institutions that propose to 1) measure both short-term and long-term outcomes among HIV+ alcohol using, abusing, and dependent populations and 2) develop and strategically test interventions to reduce alcohol use and alcohol-related consequences in a coordinated way to prevent morbidity and mortality in the impacted population. In addition, this research seeks to develop a new framework for sustainable implementation research among HIV+ alcohol users with the goal of high impact on health care systems. This initiative is intended to build on existing cohorts of patients or HIV+ individuals in the process of being identified with new infections, entering, and/ or continuing treatment.

**Amount:** $11,250,000
**LOI:** December 11, 2010
**Deadline:** January 11, 2011
Alcohol-Induced Metabolic and Hepatic Injury (AIMHI) (R01)
RFA-AA-11-002
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
The goal of this Funding Opportunity Announcement (FOA), issued by the National Institute on Alcohol Abuse and Alcoholism (NIAAA), is to stimulate innovative research that will determine the key cellular and molecular events responsible for the progression of alcohol-induced fatty liver to fibrosis and cirrhosis in patients with alcoholic liver disease (ALD) alone or in combination with obesity, diabetes or Hepatitis C infection. We anticipate that the results of such research will identify the mechanisms responsible for the increased susceptibility to the progression of ALD to end-stage liver disease and help identify promising molecular targets for early detection of the most at-risk population.
Amount: $2,000,000
LOI: November 10, 2010
Deadline: December 10, 2010
Key Words:

Multi-Component Youth/Young Adult Alcohol Prevention Trials (R01)
RFA-AA-11-001
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
This Funding Opportunity Announcement (FOA) invites research grant applications that will advance the science of alcohol prevention and treatment through evaluations of multicomponent community programs, with a specific focus on adolescents and young adults. It seeks proposals to test the relative effectiveness and costs of: (1) Community based programs comprised of environmental interventions to reduce underage and binge drinking among young adults and related harmful behaviors; (2) Community based programs that increase alcohol screening, brief intervention, and access to formal treatment for adolescents and young adults in multiple community settings (e.g. primary care, emergency departments, school- and work-based settings, and web-based venues); and (3) Programs that combine both strategies.
Amount: $2,500,000
LOI: November 2, 2010
Deadline: December 2, 2010
Key Words:

Treatment of Co-Occurring Alcohol Use Disorders and Depression/Anxiety Disorders (R01) and (R21)
PAS-10-251 and PAS-10-252
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
The National Institute on Alcohol Abuse and Alcoholism (NIAAA), National Institutes of Health (NIH), invites applications to support research on the treatment of individuals with co-occurring alcohol use disorders and depression/anxiety. Anxiety disorders include generalized anxiety disorder, social phobia, and posttraumatic stress disorder. The scope of interest includes innovative pharmacological and behavioral treatments based on biological, psychological, behavioral, and social/cultural models of etiology and treatment of comorbid alcohol use disorders and depression/anxiety. In addition, this FOA accepts Comparative and Effectiveness Research applications which compare two or more different existing treatments in this comorbid population. This FOA is limited to depression and anxiety because of the high prevalence of these psychiatric disorders in individuals with alcohol use disorders.
Amount: varies
LOI: Not more than 30 days before receipt date
Deadline: Standard dates apply
Key Words:

Strategies for Treatment of Young Adults with Alcohol Use Disorders (R01), (R03) and (R21)
PAS-10-246, PAS-10-247, and PAS-10-248
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
The National Institute on Alcohol Abuse and Alcoholism (NIAAA), National Institutes of Health (NIH), invites applications to support new research on the treatment of young adults (18-25 years of age) with alcohol use disorders. Compared to all other age groups, the prevalence of periodic heavy or high-risk drinking is greatest among young adults aged 18 to 25. Alcohol use disorders, including alcohol dependence, also peak during this critical period during which profound developmental changes occur. Despite having the highest prevalence of drinking, interventions for this group have been understudied. Gaps exist in understanding how to effectively
engage this group in treatment, which treatments are the most effective, and how to maintain treatment gains in the longer term after treatment.

Amount: varies
LOI: Not more than 30 days before receipt date
Deadline: Standard dates apply

Key Words:

Program Project on Alcohol-Related Research (P01)
PAR-10-187
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
The NIAAA Program Project Initiative provides leadership in conducting and fostering interdisciplinary research on a wide variety of topics including, but not limited to: the nature, causes, consequences, diagnosis, treatment, and prevention of alcohol abuse and alcoholism; and in developing new topics, approaches and methodologies to pursue these areas of research.
Amount: $2,500,000
LOI: November 2, 2010
Deadline: December 2, 2010

Key Words:

Alcohol Use Disorders: Treatment, Services Research, and Recovery (R21), (R01), and (R03)
PA-10-102 and PA-10-100 and PA-10-101
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
This Funding Opportunity Announcement (FOA), issued by the National Institute on Alcohol Abuse and Alcoholism (NIAAA), National Institutes of Health (NIH), encourages Exploratory/Developmental (R21) grant applications from institutions/organizations that utilize innovative approaches to research on: behavioral and pharmacological treatment for alcohol use disorders; organizational, financial, and management factors that facilitate or inhibit the delivery of services for alcohol use disorders; and/or on the phenomenon of recovery from alcohol use disorders.  This FOA will use the NIH Exploratory/Developmental (R21) award mechanism and runs in parallel with two FOAs of identical scientific scope: PA-10-100 that encourages applications under the R01 mechanism and PA-10-101 that encourages applications under the R03 mechanism.
Amount: $275,000+
LOI: N/R
Deadline: Standard dates apply
Key Words: Alcohol Use Disorders

Behavioral Regulation Mechanisms of Alcohol Dependence and Related Phenotypes (R01) and (R21)
PA-10-255 and PA-10-256
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
This FOA issued by the National Institute on Alcohol Abuse and Alcoholism (NIAAA), National Institutes of Health (NIH), encourages Research Project grants (R01) applications from institutions/organizations that propose to examine the mechanisms of behavioral regulation contributing to the behavioral characteristics of alcohol dependence.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words:

Endocannabinoid Signaling in Alcohol Consumption, Intoxication and Alcohol Use Disorders (R01) and (R21)
PA-10-249 and PA-10-250
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
This FOA issued by the National Institute on Alcohol Abuse and Alcoholism (NIAAA), National Institutes of Health (NIH), encourages Research Project Grants (R01) applications from institutions/organizations that propose to study the roles and underlying mechanisms of endocannabinoid signaling in alcohol preference, consumption, intoxication and alcohol use disorders, and to explore endocannabinoid signaling system as potential targets for alcohol pharmacotherapy. With increasing knowledge of the function of eCBs in the developing and adult brain and recent behavioral and pharmacological evidence linking alcohol and eCB signaling system, there
is now great potential to explore the role of eCB signaling system in alcohol-related behaviors and alcohol use disorders. Studies supported with this FOA will help to gain knowledge about the role and underlying mechanisms of eCB signaling in alcohol preference and consumption; the interactions of acute and chronic alcohol exposure with eCBs at synapses; the effects of such interactions on short- and long-term synaptic plasticity; the role of eCB signaling in the development and maturation of the central nervous system; and the eCB signaling system in fetal alcohol spectrum disorders.

**Key Words:**

Structural Interventions, Alcohol Use, and Risk of HIV/AIDS (R01) and (R21)

**PA-10-242 and PA-10-243**

*National Institute on Alcohol Abuse and Alcoholism (NIAAA)*

This FOA issued by the National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, encourages RO1 research grant applications from institutions/organizations that propose to investigate the effectiveness of structural interventions that reduce the risk of HIV/AIDS transmission by changing the environment of alcohol use. Although a variety of structural and environmental interventions have been employed successfully to reduce other drinking-related problems, there has been relatively little research that extends such efforts into the realm of HIV/AIDS risk reduction.

**Key Words:**

Research on Alcohol and HIV/AIDS (R01), (R03) and (R21)

**PA-10-103 and PA-10-104 and PA-10-105**

*National Institute on Alcohol Abuse and Alcoholism (NIAAA)*

This Funding Opportunity Announcement (FOA) is intended to appeal to a broad audience of alcohol and HIV/AIDS researchers, including alcohol researchers with no prior experience in HIV/AIDS research, but with a keen appreciation for the relationship between problem drinking and HIV/AIDS and a strong interest in acquiring such experience; HIV/AIDS researchers with no prior alcohol research experience who realize the importance of more intensive alcohol interventions to improving clinical outcomes among HIV+ individuals; and those with prior research experience in the area of co-occurring HIV/AIDS and alcohol and other substance abuse. The primary objectives for this announcement are to increase research: 1) to characterize the relative importance of reducing alcohol misuse in the prevention of acquisition and transmission of HIV in order to identify and apply appropriate alcohol and HIV interventions as public health measures, 2) to more fully understand and prevent the progression of HIV disease in the presence of continued alcohol exposure and 3) to develop operational research frameworks for addressing the occurrence and persistence of infections in high-risk populations (e.g. minority women, young gay men, etc.), and translate findings these targeted populations. Given the breadth of research objectives included in this announcement, potential applicants are encouraged to carefully review all sections of the announcement for research opportunities.

**Key Words:**

Expanding and Personalizing Treatment Options for Alcohol Use Disorders Including Pharmacogenomics (R01)

**PAS-10-215**

*National Institute on Alcohol Abuse and Alcoholism (NIAAA)*

Under this Funding Opportunity Announcement (FOA), the National Institute on Alcohol Abuse and Alcoholism (NIAAA) requests research project grants (R01) to study how genetic variation affects responses to medications for the treatment of Alcohol Use Disorders (AUD). Both human and animal studies are encouraged to determine the full range of genetic variation affecting both pharmacodynamic and pharmacokinetic parameters resulting in altered drug efficacy and toxicity. Mechanistic studies using animal models and/or in vitro/ex vivo preparations are also encouraged.

**Key Words:**
Alcohol Use Disorders: Treatment, Services Research, and Recovery (R21)
PA-08-008
National Institute on Alcohol Abuse and Alcoholism
This Funding Opportunity Announcement (FOA), issued by the National Institute on Alcohol Abuse and Alcoholism (NIAAA), National Institutes of Health (NIH), encourages Exploratory/Developmental (R21) grant applications from institutions/organizations that utilize innovative approaches to research on: behavioral and pharmacological treatment for alcohol use disorders; organizational, financial, and management factors that facilitate or inhibit the delivery of services for alcohol use disorders; and/or on the phenomenon of recovery from alcohol use disorders. (NIH), encourages Exploratory/Developmental (R21) grant applications from institutions/organizations that utilize innovative approaches to research on: behavioral and pharmacological treatment for alcohol use disorders; organizational, financial, and management factors that facilitate or inhibit the delivery of services for alcohol use disorders; and/or on the phenomenon of recovery from alcohol use disorders.
Amount: $275,000
LOI: N/R
Deadline: Multiple dates, see announcement
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-008.html
Key Words:

Mouse Models Containing Human Alleles: Novel Tools to Study Brain Function (R21/R33)
PAR-08-158
National Institute of Mental Health
National Institute on Aging
National Institute on Alcohol Abuse and Alcoholism
National Institute on Drug Abuse
This Funding Opportunity Announcement invites Phased Innovation (R21/R33) grant applications from organizations/institutions that propose the development and characterization of novel mouse models that express human genes or human genetic elements that can aid in understanding the molecular mechanisms underlying brain function and the physiological function/significance of gene variants and gene dosage abnormalities that have been identified as possibly being involved in mental disorders, addiction, neurodegenerative disorders of aging, and alcoholism as well as related comorbid conditions.
Amount: $150,000
LOI: 30 days prior to application receipt date
Deadline: multiple dates (January 28, 2011)
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-158.html
Key Words: Animal Models

NIH Small Research Grant Program (Parent R03)
PA-09-163
National Human Genome Research Institute (NHGRI)
National Institute on Drug Abuse (NIDA)
National Institute on Aging (NIA)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute of Allergy and Infectious Diseases (NIAID)
National Institute on... The National Institutes of Health (NIH) Investigator-Initiated Small Grant (R03) funding opportunity supports small research projects that can be carried out in a short period of time with limited resources. Investigator-initiated research, also known as unsolicited research, is research funded as a result of an investigator submitting a research grant application to NIH in an investigator's area of interest and competency. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. All investigator-initiated small grant applications described in this announcement will be assigned to NIH Institutes and Centers (ICs) according to standard Public Health Service (PHS) referral guidelines and specific program interests.
Amount: $100,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-163.html
Key Words: Small Grants

Testing Tobacco Products Promoted to Reduce Harm (R01) and (R21)
PA-09-046 and PA-09-047
National Cancer Institute (NCI)
This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI) and the National Institute on Drug Abuse (NIDA), invites applications that propose multidisciplinary research on potential reduced-exposure tobacco products, both smoked and smokeless. The multidisciplinary studies can span basic, biological, behavioral, surveillance, and epidemiology research. The tobacco industry is currently promoting several new products with claims that they: a) are less either harmful or less addictive; and b) purportedly deliver lower amounts of toxic, carcinogenic, and/or addictive agents to the user compared with conventional products. However, to date, the scientific evidence is insufficient to evaluate whether these new products actually reduce the users’ exposure or risk for tobacco-related diseases. The overarching goal of this FOA is to determine whether potential reduced-exposure tobacco products provide a truly, less-harmful alternative to conventional tobacco products, both at the individual and population level.

Amount: varies  
LOI: N/R  
Deadline: Standard dates apply  
Key Words: Tobacco, Smokeless Tobacco, Tobacco-related Disease

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### Bioengineering and Radiation Research

#### Bioengineering Research Partnerships (BRP)[R01]

PAR-10-234  
National Institutes of Health (NIH)  
multiple institutes  
Participating Institutes and Centers (ICs) of the National Institutes of Health (NIH) invite applications for R01 awards to support Bioengineering Research Partnerships (BRPs) for basic, applied, and translational multi-disciplinary research that addresses important biological, clinical or biomedical research problems. In the context of this program, a partnership is a multi-disciplinary research team, that applies an integrative, systems approach to develop knowledge and/or methods to prevent, detect, diagnose, or treat disease or to understand health and behavior. The partnership must operate according to a clear leadership plan and include appropriate bioengineering or allied quantitative sciences in combination with biomedical and/or clinical components. BRPs may propose, within a 12-page research strategy section, design-directed, developmental, discovery-driven, or hypothesis-driven research at universities, national laboratories, medical schools, large or small businesses, or other public and private entities or combinations of these entities, and will be evaluated against expanded review criteria. It is expected that a BRP will have a well-defined goal or deliverable that will be achieved in a 5-10 year timeframe based on objective milestones specified in the initial application.

Amount: varies  
LOI: N/R  
Deadline: Standard Dates apply  
Key Words:

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### Imaging - Science Track Award for Research Transition (I/START) [R03]

PAR-09-073  
National Institute on Drug Abuse (NIDA)  
This funding opportunity announcement (FOA) issued by the National Institute on Drug Abuse encourages Small Research Grant (R03) applications to facilitate the entry of investigators to the area of neuroimaging, including both new investigators and established investigators seeking to adopt neuroimaging methodologies in their research programs. The R03 is intended to support small research projects that can be carried out in a short period of time with limited resources.

Amount: $150,000  
LOI: 30 days prior to the application due date  
Deadline: Standard dates apply  
Key Words: Neuroimaging

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### Development of PET and SPECT Ligands for Brain Imaging (SBIR [R43/R44])

PA-08-137  
National Institute of Mental Health  
National Institute on Aging  
National Institute on Alcohol Abuse and Alcoholism  
National Institute on Deafness and Other Communication Disorders  
This Funding Opportunity Announcement (FOA) is intended to stimulate the commercial development of novel radioligands for positron emission tomography (PET) and single photon emission computed tomography (SPECT) imaging in human brain, and to incorporate
pilot or clinical feasibility evaluation in pre-clinical studies, model development, or clinical studies. The NIH institutes listed in this FOA are specifically interested in the development of radioligands for molecular targets (e.g., receptors, cell adhesion molecules, intracellular messengers, and disease related proteins) that are of broad interest to the scientific community. These radiotracers will be used for neuroimaging as well as potential biological markers and surrogate endpoints for translational and clinical research, drug discovery and development, and clinical trials. Also appropriate for this FOA are applications proposing research and development of new technologies for radiotracer development.

**Amount:** up to $300,000 total costs per year and time periods up to two years for Phase I may be requested. Budgets up to $500,000 total costs per year and up to three years may be requested for Phase II.

**LOI:** N/R

**Deadline:** Standard dates apply

To learn more: [http://grants.nih.gov/grants/guide/pa-files/PA-08-137.html](http://grants.nih.gov/grants/guide/pa-files/PA-08-137.html)

**Key Words:** Development and Application of PET and SPECT Imaging Ligands as Biomarkers for Drug Discovery and for Pathophysiological Studies of CNS Disorders (R21)

**PA-10-023 and PAR-10-024**

National Institute of Mental Health (NIMH)
National Institute on Aging (NIA)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute of Biomedical Imaging and Bioengineering (NIBIB)
National Institute on Drug Abuse (NIDA)

This Funding Opportunity Announcement (FOA) invites research grant applications from organizations/institutions that propose the development of novel radioligands for positron emission tomography (PET) or single photon emission computed tomography (SPECT) imaging in human brain, and that incorporate pilot or clinical feasibility evaluation in pre-clinical studies, model development, or clinical studies.

**Amount:** $450,000

**LOI:** N/R

**Deadline:** Standard dates apply


**Key Words:** PET, SPECT, radioligands, Small Business Innovation Research (SBIR [R43/R44])

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**Innovation in Molecular Imaging Probes (R01)**

PAR-09-016

National Institute of Biomedical Imaging and Engineering
National Institute on Aging
National Institute of Arthritis and Musculoskeletal and Skin Diseases
Eunice Kennedy Shriver National Institute of Child Health and Human Development
National Institute

This FOA is issued by the National Institute of Biomedical Imaging and Bioengineering, National Institutes of Health. This FOA is a follow up of a previous Roadmap RFA (RM-04-021 “Innovation in Molecular Imaging Probes”). The purpose of this initiative is to encourage the development of novel molecular imaging approaches that can detect and image specific molecular activities in vivo, and have the potential for clinical applications. Novel molecular imaging approaches developed through this initiative can focus on one (or both) of the following long-term translational goals: (1) imaging the characteristic markers, and function, of normal cells in control human subjects and patients, and (2) imaging the characteristic markers, and biochemical or physiological abnormalities, of disease cells in patients. Potential abnormalities that could provide early markers for disease include (but are not restricted to): inflammation, fibrosis, immune cell activation, altered signal transduction pathways, altered gene expression pathways, and altered post-translational modification of proteins. This initiative solicits applications that explore innovative “high-impact” approaches, rather than incremental technology development that is already supported by current NIH programs.

**Amount:** varies

**LOI:** August 21, 2010; April 20, 2011; August 21, 2011

**Deadline:** January 21, 2011; May 20, 2011; September 21, 2011


**Key Words:** Molecular Imaging Probes

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**National Institute of Biomedical Imaging and Bioengineering Program Project (P01) Applications**

PAR-10-233

National Institute of Biomedical Imaging and Bioengineering (NIBIB)

This FOA, issued by the National Institute of Biomedical Imaging and Bioengineering (NIBIB), National Institutes of Health, encourages investigator-initiated Program Project Grant (P01) applications from institutions/organizations in the broad areas of biomedical imaging and bioengineering enabled by relevant areas of the physical sciences, engineering, computer sciences, information science, and the
medical and life sciences. P01 grants are to support broad-based multidisciplinary research programs, which have a well-defined major objective or central theme, but which are addressing a range of imaging or bioengineering questions in contrast to the traditional research project (R01). Proposed program projects may address any of the broad areas of imaging and bioengineering research supported by the Institute.

**Amount:** $6,000,000  
**LOI:** 30 days before the receipt date  
**Deadline:** Standard Dates apply  
**Key Words:**

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**NIBIB Biomedical Technology Resource Centers (P41)**  
PAR-10-153  
National Institute of Biomedical Imaging and Bioengineering (NIBIB)  
This FOA issued by the National Institute of Biomedical Imaging and Bioengineering (NIBIB), National Institutes of Health (NIH), encourages grant applications for Biomedical Technology Resource Centers (BTRCs) that are funded using the P41 mechanism. BTRCs conduct research and development on new technologies that are driven by the needs of basic, translational, and clinical researchers. BTRCs also make their technologies available, train members of the research community in the use of the technologies, and disseminate these technologies broadly.

**Amount:** $3,500,000  
**LOI:** 30 days prior to each submission date  
**Deadline:** Standard dates apply  
**Key Words:** Bioimaging

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**New Approaches to Arrhythmia Detection and Treatment (SBIR [R43/R44]) and (STTR [R41/R42])**  
PA-10-117 and PA-10-118  
National Heart, Lung, and Blood Institute (NHLBI)  
This Funding Opportunity Announcement (FOA) encourages Small Business Innovation Research (SBIR) grant applications from small business concerns (SBCs) that propose to improve our ability to detect, prevent, and treat all forms of cardiac arrhythmias. This initiative encourages SBCs to develop improved diagnostic and therapeutic tools, products, or devices for cardiac arrhythmia monitoring, detection and treatment.

**Amount:** up to $1,200,000  
**LOI:** N/R  
**Deadline:** Standard dates apply  
**Key Words:** Cardiac Arrhythmia

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**Academic-Industrial Partnerships for Translation of in vivo Imaging Systems for Cancer Investigations (R01)**  
PAR-10-169  
National Cancer Institute (NCI)  
This Funding Opportunity Announcement (FOA) issued by the Cancer Imaging and Radiation Research Programs of the National Cancer Institute (NCI), National Institutes of Health (NIH), encourages applications from research partnerships formed by academic and industrial investigators to accelerate the translation of either animal or human in vivo imaging, image guided, and/or spectroscopic systems and methods designed to solve targeted cancer problems for cancer research, clinical trials, and/or clinical practice. The partners on each application will establish an inter-disciplinary, multi-institutional research team to work in a strategic alliance to implement a coherent strategy to develop and translate the proposed system or methods with potential for significant impact on preclinical, single, or multisite clinical studies. Partnerships must include at least one lead academic and one lead industrial organization large or small among their numbers. For either preclinical or clinical research, funding may be requested for limited additional copies of prototype systems and methods in order to optimize and validate them across different platforms and/or research sites. Each partnership is encouraged to plan to solve its choice of targeted cancer problem within the five year funding period. This FOA supports clinical trials that emphasize optimization and validation of the performance of imaging systems, including devices, agents and/or methods. It will not support commercial production.

**Amount:** varies  
**LOI:** N/R  
**Deadline:** Standard dates apply  
**Key Words:** in vivo imaging, Cancer

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**In vivo Cellular and Molecular Imaging Centers (ICMICs) (P50)**
The Cancer Imaging Program, and the Division of Cancer Diagnosis and Treatment, at the National Cancer Institute (NCI), invites new or renewal (competing) applications for P50 Research Center Grants for In vivo Cellular and Molecular Imaging Centers (ICMICs). The program will fund the 5-year P50 ICMIC grants to support interdisciplinary scientific teams conducting cutting-edge cancer molecular imaging research. ICMIC funding is designed to: (1) support innovative cancer molecular imaging research projects; (2) support unique core facilities; (3) enable the awardees to initiate pilot research in new promising directions; and (4) provide interdisciplinary career development opportunities for investigators new to the field of molecular cancer imaging.

Amount: $6,250,000
LOI: September 28, 2011
Deadline: October 28, 2011
Key Words: Cancer Center, Imaging

Quick-Trials for Imaging and Image-Guided Interventions: Exploratory Grants (R21) PAR-08-147
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA) is intended to support clinical trials conducting preliminary evaluation of the safety and efficacy of imaging agents, as well as an assessment of imaging systems, image processing, image-guided therapy, contrast kinetic modeling, and 3-D reconstruction and other quantitative tools. The rapid translation of promising discoveries in the fields of imaging probes, methodologies, technologies and image-guided therapies to clinical practice requires timely support. This FOA will provide investigators with support for either pilot (Phase I and II) cancer clinical trials, or patient monitoring and laboratory studies. The imaging and Image-guided Intervention (IGI) studies, if proven successful in these early clinical trials, can then be validated in larger studies through competitive R01 mechanisms, or through clinical trials in the Specialized Programs of Research Excellence (SPOREs), Cancer Centers and/or Cooperative Groups.

Amount: $250,000
LOI: N/R
Deadline: December 10, 2010; April 11, 2011
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-147.html
Key Words: Imaging Agents, Contrast Modeling, Probes

Image-guided Drug Delivery in Cancer (R01) PA-09-253
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages innovative translational research in the development of quantitative in vivo imaging characterization of image-guided drug delivery (IGDD) in cancer, including characterizations of the target, delivery validation, and therapy response. This FOA will support research in development of integrated imaging-based platforms for multifunctional and multiplexed drug delivery systems in cancer. Validation studies in non-human primates or large animal models and first in human studies directed towards translation of IGDD technology into the clinic will be considered appropriate for this FOA.

Amount: $2,500,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-253.html
Key Words: IGDD, Image-Guided Drug Delivery, cancer

Bioinformatics

T32 Postdoctoral Research Fellowship T32HL072757-02 University of Alabama at Birmingham (UAB)
The Section on Statistical Genetics in the Department of Biostatistics at the University of Alabama at Birmingham is accepting applications from statistical and other scientists for postdoctoral positions in statistical genetics, genetic epidemiology, microarray analysis, or proteomic analysis.

Amount: not specified
LOI: N/R
Deadline: Continuous. Fellowship positions are open until filled.
To learn more: http://www.soph.uab.edu/ssg/default.aspx?id=68
Key Words:
Methodology, Measurement, and Statistics (MMS)
NSF 08-561
NSF
The MMS Program seeks proposals that are methodologically innovative, grounded in theory, and have potential utility for multiple fields within the social, behavioral, and economic sciences. Successful proposals often integrate across the following areas: The development, application, and extension of formal models and methodology for social and behavioral research, including methods for improving measurement. The proposed research must have implications for one or more of the social and behavioral sciences. The development of formal models that cross traditional disciplinary boundaries, including research on statistical methodology or statistical modeling having direct implications for one or more of the social and behavioral sciences. Research on methodological aspects of new or existing procedures for data collection, including methodology for survey research, and research to evaluate or compare existing data bases and data collection procedures. The collection of unique databases with cross disciplinary implications, especially when paired with developments in measurement or methodology. The organizational infrastructure of social and behavioral research.
Amount: varies
LOI: N/R
Deadline: August 16, annually; January 16, annually
To learn more: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf08561
Key Words: Statistical Surveys, Mental Health Assessment

NLM Express Research Grant in Biomedical Informatics (R01)
PAR-08-080
NIH, NLM (National Library of Medicine)
The National Library of Medicine supports research grants that advance the sciences of biomedical informatics and bioinformatics. Informatics is concerned with the optimal management of information, and in practice is usually located at the intersection of computer and information sciences with an application domain such as health care, public health, basic biomedical research or clinical translational research.
Amount: varies
LOI: N/R
Deadline: multiple dates, see announcement
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-080.html
Key Words:

Exploratory Collaborations with National Centers for Biomedical Computing
[(R21) PAR-08-183] and [(R01) PAR-08-184]
PAR-08-183 and PAR-08-184
NIH Roadmap Initiatives
This funding opportunity announcement (FOA) is for projects from individual-investigators or small groups to collaborate with the NIH Roadmap for Medical Research National Centers for Biomedical Computing (NCBCs). For a description of the NCBCs see http://www.bisti.nih.gov/ncbc/. The intention of the collaborating projects is to engage researchers across the nation in building an excellent biomedical computing environment, using the computational tools and biological and behavioral application drivers of the funded NCBCs as foundation stones. This FOA is intended to support exploratory biomedical informatics and computational biology research—applications should be innovative, with high risk/high impact in new areas that are lacking preliminary data or development. Applications for R21 awards should describe projects distinct from those supported through the traditional R01 mechanism. For example, long-term projects, or projects designed to increase knowledge in a well-established area will not be considered for R21 awards.
Amount: $2,500,000
LOI: N/R
Deadline: Standard dates apply
Key Words: Bioinformatics

Joint DMS/NIGMS Initiative to Support Research at the Interface of the Biological and Mathematical Sciences (DMS/NIGMS)
NSF 10-579
National Science Foundation (NSF)
National Institute of General Medical Sciences (NIGMS)
The Division of Mathematical Sciences in the Directorate for Mathematical and Physical Sciences at the National Science Foundation and the National Institute of General Medical Sciences at the National Institutes of Health plan to support research in mathematics and statistics on questions in the biological and biomedical sciences. Both agencies recognize the need and urgency for promoting research at the interface between the mathematical sciences and the life sciences. This competition is designed to encourage new collaborations, as well as to support existing ones.

Amount: $2,000,000
LOI: N/R
Deadline: October 3, 2011

Key Words:

NLM Independent Career Development Award for Biomedical Informatics (K22)
PAR-10-195
National Library of Medicine (NLM)
The purpose of the NLM Independent Career Development Award for Biomedical Informatics (K22) program is to facilitate the transition of investigators from the mentored to the independent stage of their careers by providing "protected time" for newly independent investigators to develop and receive support for their initial research programs. The award applies to biomedical informaticians who are pursuing research in clinical informatics, public health informatics or translational informatics. Preference will be given to candidates who received their informatics training at one of NLMs university-based training programs in biomedical informatics.

Amount: $405,000
LOI: N/R
Deadline: Standard dates apply

Key Words:

Innovations in Biomedical Computational Science and Technology (R01)
PAR-09-218
National Institutes of Health (NIH), multiple institutes
The NIH is interested in promoting research and developments in biomedical informatics and computational biology that will support rapid progress in areas of scientific opportunity in biomedical research. As defined here, biomedical informatics and computational biology includes database design, graphical interfaces, querying approaches, data retrieval, data visualization and manipulation, data integration through the development of integrated analytical tools, and tools for electronic collaboration, as well as computational and mathematical research including the development of structural, functional, integrative, and analytical computational models and simulations.

Amount: $2,500,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-218.html

Key Words: Biomedical Informatics, Computational Biology, Database Design

Secondary Analyses of Existing Data Sets and Stored Biospecimens to Address Clinical Aging Research Questions (R01)
PA-09-265
National Institute on Aging (NIA)
The National Institute on Aging (NIA) invites applications to support short term projects involving secondary analysis of existing data sets or stored biospecimens, to address clinically-related issues on aging changes influencing health across the life span, and/or on diseases and disabilities in older persons.

Amount: $750,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-265.html

Key Words: Secondary Analysis, Aging

Secondary Analyses of Social and Behavioral Datasets in Aging (R03)
PA-10-139
National Institute on Aging (NIA)
This Funding Opportunity Announcement (FOA), issued by the National Institute on Aging (NIA), is seeking small grant (R03) applications to conduct secondary analysis of social and behavioral data in aging. Specifically, NIA seeks applicants to: 1) stimulate and
facilitate secondary analysis of data related to dynamics of health and disability, cognition, psychosocial and sociodemographic factors, genetics, and biomarkers, long term care, caregiving, behavioral medicine, retirement, economic status; 2) provide support for preliminary projects using secondary analysis that could lead to subsequent applications for other research grant award mechanisms; 3) provide support for analyses of new databases and experimental modules for purposes such as informing the design and content of future study waves; and 4) provide support for pilot research on under-utilized databases.

Amount: $100,000
LOI: N/R
Deadline: Standard dates apply

Deep Sequencing and Haplotype Profiling of Mental Disorders (Collaborative R01)
PAR-08-199
National Institute of Mental Health (NIMH)
With the initial stages of the Human Genome Project completed and new insights gained into the complex interplay of genomic function, genomic structure and the environment in mental disorders, attention is shifting towards the translational promise of the completed human sequence and a new era of genomic medicine in mental disorders. A special emphasis of this Funding Opportunity Announcement (FOA) issued by the National Institute of Mental Health (NIMH), National Institutes of Health (NIH), is to support applications that implement large-scale studies and innovative analytical designs that will disaggregate a given mental disorder into components of finite risks. These developments may be evolutionary or may be fundamentally new and may lead to paradigm shifts in the field. Applications submitted in response to this FOA may propose new technologies for cost effective whole genome analysis and in-depth sequencing and analysis of candidate genes and genomic regions in pedigrees or in a sample of unrelated cases with mental disorders. Applications for large-scale haplotype analysis and the development of new analytical methods also are encouraged.

Amount: varies
LOI: N/R
Deadline: Standard application deadlines for the R01 funding mechanism are February 5, June 5, and October 5.

Short Courses on Mathematical, Statistical, and Computational Tools for Studying Biological Systems (R25)
PA-09-002
National Institute of General Medical Sciences (NIGMS)
National Center for Complementary and Alternative Medicine (NCCAM)
National Institute on Aging (NIA)
National Institute of Mental Health
This FOA issued by the National Institute of General Medical Sciences, the National Center for Complementary and Alternative Medicine, the National Institute on Aging and the National Institute of Mental Health encourages applications for Research Education Grants (R25) from institutions and organizations to conduct workshops and short courses to improve integration of mathematical, statistical, and computational approaches into biological and/or behavioral research. Support will be limited to activities that reach a wide audience of researchers. The program announcement is NOT intended for university course or curriculum development.

Amount: $1,000,000
LOI: N/R
Deadline: Standard dates apply

NIDDK Education Program Grants (R25)
PAR-10-092
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
Office of Dietary Supplements (ODS/NIH)
This funding opportunity announcement (FOA) encourages Research Education (R25) grant applications from applicant organizations that propose to create educational opportunities to attract undergraduate students, graduate students, and postdoctoral fellows to careers in areas of biomedical or behavioral research of particular interest to the NIDDK, while fostering the career development of these students and fellows. The NIDDK is especially interested in attracting students and postdoctoral fellows from scientific disciplines underrepresented in disease-oriented biomedical research, such as engineering, informatics, computer science, and computational sciences, to encourage them to apply their expertise to research relevant to diabetes and other endocrine and metabolic diseases; digestive and liver diseases; nutrition; obesity research and prevention; and kidney, urologic and hematologic diseases.

Amount: $500,000
LOI: N/R
Deadline: Standard dates apply for the remaining cycles
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-092.html
Key Words: Diabetes, Obesity, Nutrition, Informatics, Hematologic Diseases

NIDCR Small Research Grants for Data Analysis and Statistical Methodology (R03)
PAR-09-182
National Institute of Dental and Craniofacial Research (NIDCR),
The goal of this funding opportunity announcement (FOA) is to support meritorious research projects that involve secondary data analyses or statistical methodology using existing dental or craniofacial database resources.
Amount: $200,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-182.html
Key Words: Dentistry, Database, Statistical Analysis

NIDCR Small Research Grants for Data Analysis and Statistical Methodology applied to Genome-wide Data (R03)
PAR-10-041
National Institute of Dental and Craniofacial Research (NIDCR)
This funding opportunity announcement (FOA) will support meritorious research projects that involve secondary data analyses or development of statistical methodology using existing genome-wide data, relevant to human dental or craniofacial conditions or traits.
Amount: $300,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-041.html
Key Words: Craniofacial, Dental Conditions

NEI Research Grant for Secondary Data Analysis (R21)
PAR-09-252
National Eye Institute (NEI)
This FOA issued by the National Eye Institute (NEI), National Institutes of Health (NIH), encourages Research Project Grant for Secondary Data Analysis (R21) applications from institutions/organizations that propose to conduct secondary data analyses utilizing existing database resources. Applications may be related to, but must be distinct from, the specific aims of the original data collection. The NEI supports an extensive portfolio of clinical trials and large-scale epidemiologic research projects, wherein numerous data collection activities are required to meet each project’s specific aims. The resultant wealth of data generated by these studies often provides unique, cost-effective opportunities to investigate additional research questions or develop new analytical approaches secondary to a project’s originally intended purpose. Data are not limited to that collected under NEI support but these data are of highest programmatic interest. The R21 may be used to develop new statistical methodologies or to test hypotheses using existing data.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-252.html
Key Words: Secondary Data Analysis, Epidemiological Research

Development, Application, and Evaluation of Prediction Models for Cancer Risk and Prognosis (R01) and (R21)
PA-10-025 and PA-10-026
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages research applications from clinicians, epidemiologists, geneticists, statisticians, and translational researchers working in the field of cancer control and prevention to improve existing models for cancer risk and prognosis by developing innovative research projects that use existing data; develop new models for cancer risk and prognosis; and validate new models and evaluate their utility in research and clinic settings. To explore this opportunity, the NCI Division of Cancer Control and Population Sciences (DCCPS) and the Division of Cancer Treatment and Diagnosis (DCTD) encourage applications for research projects to develop, apply, and evaluate new and existing cancer risk and prognostic prediction models for use by researchers, clinicians, and the general public. This FOA is designed to provide a mechanism of support for investigators to address two major challenges in model development, which are: integrating diverse types of data (e.g., clinical, demographic, pathologic, environmental, epidemiologic, outcomes, and genetic data from varied data marts or warehouses); and ensuring adequate validation (i.e., using multiple separate populations to define sensitivity, specificity, and positive and negative predictive values).
Amount: varies
LOI: N/R
Resource Program Grants in Bioinformatics (P41)
PAR-08-180
Eunice Kennedy Shriver National Institute of Child Health and Human Development
The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) solicits Resource Program Grants in Bioinformatics for supporting the continued operation, improvement, and dissemination of databases, digital information, or software tools that are unique, and of special importance to research using animal models of embryonic developmental processes.
Amount: $8,750,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-180.html
Key Words: Bioinformatics

Biomedical Technology

Robotics Technology Development and Deployment
New
PAR-10-279
National Institutes of Health (NIH)
U.S. Department of Defense (DOD)
National Science Foundation (NSF)
United States Department of Agriculture (USDA)
Department of Homeland Security (DHS)
The Defense Advanced Research Projects Agency (DARPA) is participating in a joint solicitation with the National Institutes of Health (NIH), National Science Foundation (NSF), United States Department of Agriculture (USDA) and the Department of Homeland Security to encourage the development of technologies that will advance the field of robotics.
Amount: $100,000
LOI: November 20, 2010
Deadline: December 20, 2010
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-279.html
Key Words:

Preclinical Research on Model Organisms to Predict Treatment Outcomes for Disorders Associated with Intellectual and Developmental Disabilities (R01)
New
PAR-11-038
National Institutes of Health (NIH)
multiple institutes
This FOA issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), the National Institute of Mental Health (NIMH), and the National Institute of Neurological Disorders and Stroke (NINDS), National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/organizations addressing preclinical research in model organisms of neurodevelopmental disorders. Applications responsive to this FOA will propose to develop, validate, and/or calibrate outcome measures, surrogate markers, and biomarkers in model organisms that can inform and effectively translate to human clinical trials for individuals with intellectual and developmental disabilities (IDD). In addition, applications may propose to conduct rigorous, controlled and standardized preclinical animal trials designed for safety, toxicity, and efficacy prediction or to perform an independent validation of efficacy in animals prior to human clinical trials. The goal of this FOA is to accelerate and improve the preclinical testing of candidate treatments and therapeutic compounds in order to move promising new drug therapies into clinical trials. Potential applicants may be interested in the FOA “Outcome measures for use in treatment trials of individuals with intellectual and developmental disabilities” issued simultaneously with this FOA.
Amount: $2,500,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-11-038.html
Key Words:
Clinical and Data Coordinating Center(s) for Parkinson’s Disease Biomarkers Identification Network (PD-BIN) (U01)

New
RFA-NS-11-005

National Institute of Neurological Disorders and Stroke (NINDS)

The NINDS intends to fund a multi-site, multi-project network (Parkinson’s Disease Biomarker Identification Network, or PD-BIN) devoted to identifying biological markers for PD risk, onset, and/or progression, in order to facilitate development of disease-modifying treatments. The purpose of this FOA is to solicit linked cooperative agreement (U01) applications for the establishment of a Clinical Coordinating Center (CCC) and a Data Coordinating Center (DCC). The PIs for the DCC and CCC must coordinate their submissions. The CCC will be responsible for the oversight of all aspects of subject recruitment and specimen acquisition, including the management of multiple clinical sites (to be identified by the CCC applicant), enrollment of a core cohort of newly diagnosed patients with PD and matched controls, and accurate collection of all clinical and biological data. The DCC will provide all data management aspects for standardized acquisition, quality control, dissemination and public accessibility. The CCC and DCC must be flexible enough to accommodate and support a wide range of future add-on research projects seeking to utilize and augment the core PD-BIN data. Individual hypothesis-driven studies are not a component of this FOA. It is anticipated that all data and biospecimens acquired will be used to create a publicly available resource for biomarker validation and discovery. The CCC and the DCC will be expected to advance the general scientific goal of identifying and validating useful PD biomarkers.

Amount: up to $8,000,000
LOI: December 18, 2010
Deadline: January 18, 2011
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-NS-11-005.html

Key Words: 


New
PAR-10-289

National Center for Research Resources (NCRR)

This FOA issued by the National Center for Research Resources (NCRR) (National Institutes of Health) encourages Resource Related Research Project grant applications (R24) aimed at developing, characterizing or improving animal models of human diseases or improving diagnosis and control of diseases of laboratory animals. This FOA applies only to R24 grant applications for potential support by the Division of Comparative Medicine, NCRR. The animal models and related materials to be developed must address the research interests of two or more of the categorical NIH Institutes and Centers. In addition, projects that predominantly address the research interests of one NIH Institute or Center, but that are peripherally related to the research interests of other Institutes and Centers will not be considered appropriate for this Program Announcement. An example of an inappropriate request is one exclusively involving an animal model of cancer.

Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-289.html

Key Words: 

Correlative Studies with Specimens from Multi-Site Trials (R21) [PA-08-133] and (R01) [PA-08-134]

PA-08-133 and PA-08-134

NIH

This Funding Opportunity Announcement (FOA) is intended to support translational correlative studies that utilize annotated tumor and/or other biospecimens collected during large-scale multi-institutional clinical and/or prevention trials, respectively. The Cancer Therapy Evaluation Program (CTEP), the Cancer Diagnosis Program (CDP), and the Cancer Biomarkers Research Group (CBRG) of the NCI are cooperatively sponsoring this FOA with the overarching goal to facilitate predictions of responses to current interventions, and inspire future development of improved therapeutic and preventive strategies. Projects proposed in response to this FOA should address the correlations between intervention outcomes and cancer patients’ disease characteristics determined at various cellular/molecular levels. For example, disease progression patterns may be correlated with tumor genotypic and/or phenotypic profiles (at the levels of the genome, epigenome, gene expression and/or protein and non-protein molecular markers. This FOA will only support studies that use tumor specimens linked to specific interventions/trials. To be able to achieve these translational goals, the proposed projects are expected to rely on interactions between basic researchers and clinical investigators, in order to improve future drug development and interventions.

Amount: Direct costs are limited to $275,000 over an R21 2-year period, with no more than $200,000 in direct costs allowed in any single year.
LOI: N/R
Deadline: Standard dates apply
**Lab to Marketplace:  Tools for Brain and Behavioral Research (SBIR [R43/R44])**

PA-08-071  
NIH  

The NIH Blueprint for Neuroscience Research is a framework to enhance cooperative activities among the NIH Office of the Director and 15 NIH Institutes and Centers that support research on the nervous system. This Funding Opportunity Announcement (FOA) is released in affiliation with the Neuroscience Blueprint, with Institutes and Centers participating independently, and with participation by Institutes and Centers that are not part of the Blueprint. This FOA encourages the translation of technologies for brain or behavioral research from academic and other non-small business research sectors to the marketplace. Solicited from Small Business Concerns (SBCs) are Small Business Innovation Research (SBIR) grant applications that propose to further develop, make more robust, and make more user-friendly such technologies in preparation for commercial dissemination. It is expected that this activity will require partnerships and close collaboration between the original developers of these technologies and SBCs, which may be accomplished in any of a number of ways, including the use of multiple principle investigators.  

**Amount:** varies  
**LOI:** N/R  
**Deadline:** continuous, see listing  
**To learn more:** [http://grants.nih.gov/grants/guide/pa-files/PA-08-071.html](http://grants.nih.gov/grants/guide/pa-files/PA-08-071.html)  

**Key Words:**

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**Improvements to Biological Research Collections (BRC)**

NSF 09-548  
National Science Foundation (NSF)  
Directorate for Biological Sciences  
Division of Biological Infrastructure  

The Improvements to Biological Research Collections Program provides funds for improvements to network, secure, and organize established natural history collections for sustained, accurate, and efficient accessibility of the collection to the biological research community.  

The BRC program is encouraging collaborative proposals to network collections on regional and continental scales, especially collaborations that bring large and small collections together into networks. The BRC program also provides for enhancements to existing collections to improve collections, computerize specimen-related data, develop better methods of specimen curation and collection management through activities such as symposia and workshops.  

Biological collections supported include those housing natural history specimens and jointly curated collections such as preserved tissues and other physical samples, e.g. DNA libraries and digital images. Such collections provide the materials necessary for research across broad areas of biological sciences.  

**Amount:** $500,000-$2,000,000  
**LOI:** N/R  
**Deadline:** Fourth Friday in July, Annually  

**Key Words:** Preserved Tissues and other Physical Samples, e.g. DNA libraries and digital images.

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**Living Stock Collections for Biological Research (LSCBR)**

NSF 09-550  
National Science Foundation (NSF)  
Directorate for Biological Sciences  
Division of Biological Infrastructure  

The Living Stock Collections for Biological Research (LSCBR) program supports improvements in and partial operation of existing collections of living organisms (including viruses and bacteriophages) to be used in basic biological research. The program provides support for two types of projects. Short-term projects are one-time awards (up to 36 months) leading to innovative handling of living stocks or to well-defined improvements in existing collections, including those not otherwise supported by LSCBR. Longer-term projects (up to 60 months) help support ongoing operation of collections significant to the NSF research community. Collections receiving longer-term support are expected to receive significant support from user fees or other mechanisms of revenue generation.  

**Amount:** varies  
**LOI:** N/R  
**Deadline:** July 6, 2011  

**Key Words:** Biological Stock, Cultures, Virus, Bacteria

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**Doctoral Dissertation Improvement Grants in the Directorate for Biological Sciences**
The National Science Foundation awards Doctoral Dissertation Improvement Grants in selected areas of the biological sciences. These grants provide partial support of doctoral dissertation research to improve the overall quality of research. Allowed are costs for doctoral candidates to participate in scientific meetings, to conduct research in specialized facilities or field settings, and to expand an existing body of dissertation research.

**Amount:** varies  
**LOI:** N/R  
**Deadline:** Third Friday in November, Annually  
**Key Words:** Biological Sciences, Biomedical Research Resources, Biomedical Research Training, Health and Medicine

### Bioengineering Research Grants (BRG)[R01]

**PA-06-419**  
**National Institutes of Health (NIH), multiple institutes**  
The BRGs support multi-disciplinary research performed in a single laboratory or by a small number of investigators that applies an integrative, systems approach to develop knowledge and/or methods to prevent, detect, diagnose, or treat disease or to understand health and behavior. A BRG application may propose hypothesis-driven, discovery-driven, developmental, or design-directed research.

**Amount:** varies  
**LOI:** N/R  
**Deadline:** Standard dates apply  
**Key Words:** Imaging, Bioengineering, Arthritis, Musculoskeletal and Skin Diseases, Dental and Craniofacial, Neurological Disorders, Stroke, CAM

### Transforming Biomedicine at the Interface of the Life and Physical Sciences (R01)

**PAR-10-141 and PAR-10-142**  
**National Institutes of Health (NIH), National Science Foundation (NSF)**  
The goal of this funding opportunity announcement, issued by the National Institutes of Health and the National Science Foundation, is to stimulate quantitative and physical scientists to work with biomedical scientists to transform technological innovation and basic knowledge in the quantitative sciences into new or improved devices or systems for health care.

**Amount:** varies  
**LOI:** April 18, 2011; April 18, 2012  
**Deadline:** May 18, 2011; May 18, 2012  
**Key Words:** Medical Devices

### Robotics Technology Development and Deployment [RTD2] (R43)

**PAR-10-279**  
**National Institutes of Health (NIH), multiple institutes, Defense Advanced Research Projects Agency (DARPA), National Science Foundation (NSF), United States Department of Agriculture (USDA), Department of Homeland Security**  
The National Institutes of Health (NIH), Defense Advanced Research Projects Agency (DARPA), National Science Foundation (NSF), United States Department of Agriculture (USDA) and the Department of Homeland Security encourage applications for the development of technologies that will advance the field of robotics. Scientific interests for this joint-agency FOA include, but are not limited to, research directed towards innovations or advancements in robotic technologies and devices for: Robotics for Home Healthcare, Personalized Care for Special-needs Populations, and Robotic Wellness/Health Promotion; Robot-Assisted Recovery, Rehabilitation, and Behavioral Therapy; High-throughput Robotics Technologies; Better Than Biology Actuators; Patient Mobility and Rehabilitation Robotics; Dexterous Manipulators with Tactile Feedback; Multi-Agent Command, Coordination, and Communication; Robotic Co-Worker Assistive Technologies; robotics to render improvised explosive devices safe; and robotics for cross border tunnels. Specific areas of interests under this FOA are described under Section I.  
**Amount:** $100,000  
**LOI:** November 20, 2010
SHIFT Award: Small Businesses Helping Investigators to Fuel the Translation of Scientific Discoveries  [SBIR: R43/R44]
PA-10-122
National Institutes of Health (NIH)
multiple institutes
The primary objectives of the SHIFT SBIR initiative are: (1) to foster research that is translational in nature and (2) to transform academic scientific discoveries into commercial products and services. Academic researchers can be a driving force for new products and services in a small business concern (SBC). A major feature of the SHIFT program includes the requirement for an investigator who is primarily employed by a United States research institution at the time of application to transition to a small business concern (SBC) and be primarily employed (more than 50% time) by the SBC by or at the time of award. A SHIFT SBIR grant enables an SBC to increase both its scientific research staff and its core competencies. The Project Director/Principal Investigator (PD/PI) may also facilitate SBC licensing of intellectual property (IP) from the PD/PI’s prior academic institutions, promote collaboration opportunities with academic investigators, and enable better access to academic resources.
Amount: up to $2,250,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-122.html
Key Words: Translational Research

Development of Assays for High-Throughput screening for use in Probe and Pre-therapeutic Discovery (R01)
PA-10-213
National Institutes of Health (NIH)
multiple institutes
This FOA issued by the NIDDK, NCI, NHLBI, NIA, NIAAA, NIAID, NIDR, NIGMS and NIMH of the National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/organizations that propose the development of assays for high throughput screening (HTS) relevant to processes and diseases specific to its mission with the intent of using them to screen for small molecule compounds that show desired properties as probes for use in advancing knowledge about the relevant target, identifying new targets, or serving as pre-therapeutic leads. The NIH launched a Molecular Libraries and Imaging initiative as part of the NIH Roadmap for Medical Research to establish a network of HTS screening centers which provide access to a large compound library, robotics to carry out the assays, and informatics to interpret the results (http://mli.nih.gov/mli/). This FOA seeks to establish a stream of scientifically and technologically outstanding assays for screening by these and other academic centers. Assays may involve targets indirectly related to disease, but which might provide insight into the biology of relevant diseases. Other targets might be associated with rare and neglected diseases, an area of increasing focus for the NIH (http://www.nih.gov/news/health/may2009/nhgri-20.htm).
Assays should be relevant to the scope of the research for at least one of the sponsoring NIH Institutes
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-213.html
Key Words:

Bioengineering Research Grants (BRG)(R01)
Exploratory/Developmental Bioengineering Research Grants (EBRG) [R21]
PA-10-009 and PA-10-010
National Institutes of Health (NIH)
multiple agencies
Participating Institutes and Centers of the NIH invite applications for R01 awards to support Bioengineering Research Grants (BRGs) for basic and applied multi-disciplinary research that addresses important biological, bioengineering or medical research problems. The BRGs support multi-disciplinary research performed in a single laboratory or by a small number of investigators that applies an integrative, systems approach to develop knowledge and/or methods to prevent, detect, diagnose, or treat disease or to understand health and behavior. A BRG application may propose hypothesis-driven, discovery-driven, developmental, or design-directed research.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Assay Development for High Throughput Screening for Nicotinic Receptor Subunits (R21)
RFA-DA-11-007
National Institute on Drug Abuse (NIDA)
This FOA seeks applications proposing to develop biological assays for constitutive receptor combinations involving α3, α5, α6, and/or β4 subunits, suitable ultimately for configuration as high throughput screening (HTS) assays. Once developed, these HTS-ready assays can, and will be expected to be, submitted for screening (http://grants.nih.gov/grants/guide/notice-files/NOT-RM-09-011.html) by the National Institutes of Health (NIH) Molecular Libraries Production Centers Network (MLPCN) to identify biologically active compounds in a large library of small molecule chemical structures. The chemical structures uncovered through development and use of these assays could then be used for selective ligand development and as possible lead molecules to guide drug discovery in the development of tobacco smoking cessation medications.
Amount: $150,000
LOI: December 18, 2010
Deadline: January 18, 2011
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-11-007.html

NIDCD Research Core Centers (P30)
PAR-10-077
National Institute on Deafness and Other Communication Disorders (NIDCD)
The NIDCD P30 Core Center grant contains one or more research-serving cores, providing centralized resources and facilities for funded R01 research projects. Although no funds are provided for direct support of research projects, a P30 helps to integrate and promote research in existing funded projects, and may include multi-disciplinary and regional collaborations. A Core Center must be an identifiable organizational unit either within a single grantee institution or representing a consortium of cooperating institutions (e.g., geographic or web-based). The Center may serve as an intellectual hub to stimulate cooperative research, to increase the effectiveness, capabilities or productivity of current research, and/or to promote new research directions through collaborations.
Individual research cores of the Core Center may provide for sharing technical expertise or centralizing labor-intensive tasks common among several investigators (PD/PIs); staffing, training and maintenance of shared equipment or resources, including tools or staffing to enhance activities such as recruitment databases for clinical projects; or problem-solving through innovative technical solutions using the most current methodologies. NIDCD P30 funds do not provide patient services, or support unfunded pilot studies, or facilitate research other than for funded user projects, unless directly related to advancing the potential of the Core Center itself. A P30 may provide benefits to other core centers or the larger community through sharing data or technology.
Amount: $2,500,000
LOI: 30 days before application receipt dates
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-077.html

Fiscal Year (FY) 2010 Measurement Science and Engineering Research Grants Programs
2010-MSE-01
National Institute of Standards and Technology
Program Description: The Chemical Science and Technology Laboratory (CSTL) Grants Program will provide grants and cooperative agreements consistent with the CSTL mission in the following fields of measurement science research, focused on reference methods, reference materials and reference data: Biochemical Science, Chemical and Biochemical Reference Data, Process Measurements, Surface and Microanalysis Science, Thermophysical Properties, and Analytical Chemistry. Financial support may be provided for conferences, workshops, or other technical research meetings that are relevant to the mission of the Chemical Science and Technology Laboratory.
Biochemical Science Division: DNA chemistry, sequencing; Protein structure, properties, and modeling; Biomaterials; Biocatalysis and bioprocessing measurements. The contact person for this division is Dr. Laurie Locascio, and she may be reached at, (301) 975-2129.
Amount: $200,000
LOI: N/R
Deadline: applications will be considered on a continuing basis

Advanced Neural Prosthetics Research and Development (U01)
PA-09-063
National Institute of Neurological Disorders and Stroke (NINDS)
The purpose of this Funding Opportunity Announcement (FOA) is to encourage applications to pursue translational and pilot clinical studies for neural prosthetics. The program will utilize the cooperative agreement mechanism to enable support for milestone-driven projects for the design, development, and demonstration of clinically-useful neural prosthetic devices. Activities supported in this program include implementation of clinical prototype devices, preclinical safety and efficacy testing, design verification and validation activities, pursuit of regulatory approval for clinical study, and proof-of-concept or pilot clinical studies.

Amount: $5,000,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-063.html
Key Words: Neural Prosthetics

Development and Application of PET and SPECT Imaging Ligands as Biomarkers for Drug Discovery and for Pathophysiological Studies of CNS Disorders (R21)
PA-10-023 and PAR-10-024
National Institute of Mental Health (NIHM)
National Institute on Aging (NIA)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute of Biomedical Imaging and Bioengineering (NIBIB)
National Institute on Drug Abuse (NIDA)
This Funding Opportunity Announcement (FOA) invites research grant applications from organizations/institutions that propose the development of novel radioligands for positron emission tomography (PET) or single photon emission computed tomography (SPECT) imaging in human brain, and that incorporate pilot or clinical feasibility evaluation in pre-clinical studies, model development, or clinical studies.

Amount: $450,000
LOI: N/R
Deadline: Standard dates apply
Key Words: PET, SPECT, radioligands, Small Business Innovation Research (SBIR [R43/R44])

Technology Development for Protein Modeling (P01) and (R01)
PAR-10-075 and PAR-10-076
National Institute of General Medical Sciences (NIGMS)
This FOA issued by the National Institute of General Medical Sciences (NIGMS), National Institutes of Health, encourages grant applications from institutions/organizations that propose to develop novel technologies that will significantly improve the accuracy of comparative modeling methods for protein structure prediction.

Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Protein Structure Prediction, Modeling, X-ray Crystallography, Protein Sequencing

Centers for High-Throughput Structure Determination (U54)
RFA-GM-10-005
National Institute of General Medical Sciences (NIGMS)
This FOA solicits applications to establish Centers for High-Throughput Structure Determination that will become the backbone of the NIGMS PSI: Biology network for high-throughput-enabled structural biology. The centers must be able to provide capabilities for high-throughput structure determination on the order of those that have been developed during previous phases of the Protein Structure Initiative (PSI), e.g., ~ 200 structures per year deposited in the Protein Databank (PDB).

Amount: $40,000,000
LOI: September 28, 2011
Deadline: October 28, 2011
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-GM-10-005.html
Key Words: Protein Structure Determination, High-Throughput, Technology Development

High-Throughput-Enabled Structural Biology Research (U01)
This FOA encourages applications to establish partnerships between researchers interested in a biological problem of significant scope and researchers providing high-throughput structure determination capabilities through the NIGMS PSI:Biology network. Applicants to this FOA should propose work to solve a substantial biological problem for which the determination of many protein structures is necessary. The proteins should be amenable to high-throughput structure determination and/or should provide suitable targets to motivate new technology development. Awardee principal investigators will become part of the PSI:Biology Network Steering Committee and will work jointly with other investigators and NIH staff to manage the overall PSI:Biology initiative.

Amount: $2,500,000
LOI: Letters of Intent should be submitted 30 days before the anticipated receipt date.
Deadline: Standard dates apply

Key Words: Team-Based Design in Biomedical Engineering Education (R25)

This FOA, issued by the National Institute of Biomedical Imaging and Bioengineering (NIBIB) and the Eunice K. Shriver National Institute of Child Health and Human Development (NICHD), encourages applications from institutions that propose to establish new or to enhance existing team-based design courses in undergraduate Biomedical Engineering departments or programs. This FOA targets undergraduate students at the senior level but may also include junior undergraduates and first-year graduate students. Courses that address innovative and/or ground-breaking development, multidisciplinary/interdisciplinary training, and diversity recruitment are especially encouraged.

Amount: $200,000
LOI: April 18, 2011; April 18, 2012
Deadline: May 18, 2011; May 18, 2012
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-140.html

Key Words: Biomed Engineering

This FOA, issued by the National Institute of Biomedical Imaging and Bioengineering (NIBIB), National Institutes of Health, encourages investigator-initiated Program Project Grant (P01) applications from institutions/organizations in the broad areas of biomedical imaging and bioengineering enabled by relevant areas of the physical sciences, engineering, computer sciences, information science, and the medical and life sciences. P01 grants are to support broad-based multidisciplinary research programs, which have a well-defined major objective or central theme, but which are addressing a range of imaging or bioengineering questions in contrast to the traditional research project (R01). Proposed program projects may address any of the broad areas of imaging and bioengineering research supported by the Institute.

Amount: $6,000,000
LOI: 30 days before the receipt date
Deadline: Standard Dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-233.html

Key Words: Bioimaging

This FOA issued by the National Institute of Biomedical Imaging and Bioengineering (NIBIB), National Institutes of Health (NIH), encourages grant applications for Biomedical Technology Resource Centers (BTRCs) that are funded using the P41 mechanism. BTRCs conduct research and development on new technologies that are driven by the needs of basic, translational, and clinical researchers. BTRCs also make their technologies available, train members of the research community in the use of the technologies, and disseminate these technologies broadly.

Amount: $3,500,000
LOI: 30 days prior to each submission date
Deadline: Standard dates apply

Key Words: Bioimaging
HIV Incidence Assays with Improved Specificity (R01)
PA-10-212
National Institute of Allergy and Infectious Diseases (NIAID)
This Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH), solicits grant applications from institutions/organizations that propose to develop improved HIV incidence assays with increased specificity and reliability for distinguishing incident from chronic HIV infections.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-212.html
Key Words:

NIH Small Research Grant Program (Parent R03)
PA-09-163
National Human Genome Research Institute (NHGRI)
National Institute on Drug Abuse (NIDA)
National Institute on Aging (NIA)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute of Allergy and Infectious Diseases (NIAID)
National In
The National Institutes of Health (NIH) Investigator-Initiated Small Grant (R03) funding opportunity supports small research projects that can be carried out in a short period of time with limited resources. Investigator-initiated research, also known as unsolicited research, is research funded as a result of an investigator submitting a research grant application to NIH in an investigator’s area of interest and competency. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. All investigator-initiated small grant applications described in this announcement will be assigned to NIH Institutes and Centers (ICs) according to standard Public Health Service (PHS) referral guidelines and specific program interests.
Amount: $100,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-163.html
Key Words: Small Grants

Selected Topics in Transfusion Medicine (R21) and (R01)
PAR-10-033 and PAR-10-034
National Heart, Lung, and Blood Institute (NHLBI)
This FOA issued by the National Heart, Lung, and Blood Institute (NHLBI), National Institutes of Health (NIH), encourages research grant applications from investigators who propose to study topics that will determine blood banking and transfusion practice.
Amount: $275,000 and up
LOI: N/R
Deadline: Standard dates apply
Key Words: Blood Banking, Transfusion

New Approaches to Arrhythmia Detection and Treatment (SBIR [R43/R44]) and (STTR [R41/R42])
PA-10-117 and PA-10-118
National Heart, Lung, and Blood Institute (NHLBI)
This Funding Opportunity Announcement (FOA) encourages Small Business Innovation Research (SBIR) grant applications from small business concerns (SBCs) that propose to improve our ability to detect, prevent, and treat all forms of cardiac arrhythmias. This initiative encourages SBCs to develop improved diagnostic and therapeutic tools, products, or devices for cardiac arrhythmia monitoring, detection and treatment.
Amount: up to $1,200,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-117.html
Key Words: Cardiac Arrhythmia
**New Technologies for Transient Molecular Complex Characterization (STTR [R41/R42])**

PA-08-111  
National Center for Research Resources  
National Institute of Allergy and Infectious Diseases  
National Institute of Environmental Health Sciences  
National Institute of General Medical Sciences  

This Funding Opportunity Announcement (FOA) encourages Small Business Innovation Research (SBIR) grant applications from small business concerns (SBCs) that propose to develop new technologies, tools, and/or processes for the study of transient molecular complexes. Depending on the complex, such studies should have the potential for characterizing normal function or disease dysfunction and the effects of potential therapeutic interventions. Awards will be used to create new technologies, tools, and/or processes that will help to study transient molecular complexes that are an integral part of normal cell physiology or that play a role in disease processes. Structural (stoichiometry, localization, symmetry, and overall shape) and kinetic characterization of these short-lived complexes will provide insight leading to a better understanding of normal processes and a means to efficiently search for diagnostics or therapeutic interventions for disease conditions.

**Amount:**  
LOI: N/R  
Deadline: Standard dates apply  
To learn more: [http://grants.nih.gov/grants/guide/pa-files/PA-08-111.html](http://grants.nih.gov/grants/guide/pa-files/PA-08-111.html)

**Key Words:**

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**Development of Animal Models and Related Biological Materials For Research (R21)**

PA-10-138  
National Center for Research Resources (NCRR)  

This funding opportunity announcement (FOA) issued by NCRR, National Institutes of Health, encourages research grant applications from institutions/organizations that propose to develop, characterize or improve animal models for human disease or to improve diagnosis and control diseases of laboratory animals that may interfere with research. Models to be considered must be applicable to the research interests of two or more categorical NIH Institutes/Centers. Investigators considering applying are strongly encouraged to consult with NCRR program staff as early as possible to be advised whether this FOA is appropriate. Proposals to develop models that would not have broad applications, but would apply only to a specific disease or category of research, should be proposed to the appropriate categorical institute of the National Institutes of Health (NIH), e.g., models or model systems with primary focus on cancer or heart diseases should contact those categorical institutes at NIH to discuss alternative funding opportunities.

**Amount:** $275,000  
LOI: N/R  
Deadline: Standard dates apply  

**Key Words:** Animal Models of Disease

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**Renewal of Centers of Biomedical Research Excellence (COBRE) [P20]**

PAR-09-180  
National Center for Research Resources (NCRR)  

The National Center for Research Resources (NCRR) of the NIH invites applications for renewal (competing continuation) of eligible Centers of Biomedical Research Excellence (COBRE) grants. The objective of the COBRE initiative is to strengthen an institution's biomedical research infrastructure through the establishment of a thematic, multi-disciplinary center and to enhance the ability of investigators to compete independently for National Institutes of Health (NIH) individual research grants or other external peer-reviewed support. COBRE awards are supported through the Institutional Development Award (IDeA) Program, which aims to foster health-related research by increasing the competitiveness of investigators at institutions located in states with historically low aggregate success rates for grant awards from the NIH.

**Amount:** $2,200,000  
LOI: N/R  
Deadline: September 22, 2011  

**Key Words:** Multi-disciplinary centers, COBRE

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**Centers of Biomedical Research Excellence (COBRE) Phase III: Transitional Centers [P30]**

PAR-10-196  
National Center for Research Resources (NCRR)  

The National Center for Research Resources (NCRR) of the NIH invites applications for COBRE infrastructure support grants. The objectives of this FOA are to continue support of infrastructure at Centers of Biomedical Research Excellence (COBRE) that have received 10 years of funding from NCRR. This FOA is supported through the Institutional Development Award (IDeA) Program at the National Center for Research Resources (NCRR) of NIH.
Amount: $3,750,000  
LOI: N/R  
Deadline: July 20, 2011, and July 20, 2012  
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-196.html  
Key Words: IDeA, Core Resources, Equipment Upgrades and Replacement,

Centers of Biomedical Research Excellence (COBRE) (P20)  
PAR-09-079  
National Center for Research Resources (NCRR)  
The National Center for Research Resources (NCRR) of the NIH invites applications for Centers of Biomedical Research Excellence (COBRE) from investigators at biomedical research institutions that award doctoral degrees in the health sciences or sciences related to health or at independent biomedical research institutes within Institutional Development Award (iDeA) eligible states. The objective of the COBRE initiative is to strengthen an institution's biomedical research infrastructure through the establishment of a thematic multidisciplinary center and to enhance the ability of investigators to compete independently for complementary National Institutes of Health (NIH) individual research grant or other external peer-reviewed support. COBRE awards are supported through the iDeA Program, which aims to foster health-related research by increasing the competitiveness of investigators at institutions located in states with historically low aggregate success rates for grant awards from the NIH.

Amount: $7,500,000  
LOI: January 2, 2011  
Deadline: February 1, 2011  
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-079.html  
Key Words: Infrastructure

Quick-Trials for Imaging and Image-Guided Interventions: Exploratory Grants (R21)  
PAR-08-147  
National Cancer Institute (NCI)  
This Funding Opportunity Announcement (FOA) is intended to support clinical trials conducting preliminary evaluation of the safety and efficacy of imaging agents, as well as an assessment of imaging systems, image processing, image-guided therapy, contrast kinetic modeling, and 3-D reconstruction and other quantitative tools. The rapid translation of promising discoveries in the fields of imaging probes, methodologies, technologies and image-guided therapies to clinical practice requires timely support. This FOA will provide investigators with support for either pilot (Phase I and II) cancer clinical trials, or patient monitoring and laboratory studies. The imaging and Image-guided Intervention (IGI) studies, if proven successful in these early clinical trials, can then be validated in larger studies through competitive R01 mechanisms, or through clinical trials in the Specialized Programs of Research Excellence (SPOREs), Cancer Centers and/or Cooperative Groups.

Amount: $250,000  
LOI: N/R  
Deadline: December 10, 2010; April 11, 2011  
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-147.html  
Key Words: Imaging Agents, Contrast Modeling, Probes

Strategic Partnering to Evaluate Cancer Signatures [SPECS II] (U01)  
PAR-10-126  
National Cancer Institute (NCI)  
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI) of the National Institutes of Health (NIH), encourages the submission of grant applications for support of the clinical application of multi-analyte molecular signatures derived from comprehensive molecular annotation of tumors. There is growing recognition in the clinical cancer research community that annotation of tumor specimens with data that integrates information about molecular alterations at the levels of DNA, RNA, and protein provides not only a more complete understanding of tumor biology but also provides a significant opportunity for developing new clinical tools to improve cancer treatment. Translating the knowledge gained from this molecular annotation into tools that can be used in clinical decision-making remains a major challenge. The purpose of this initiative is to build on recent demonstrations that molecular signatures correlate with important clinical parameters in cancer. The goal of this initiative is also to create publications and data sets that will be available and accessible to the scientific community in order to further the development, design, and conduct of future clinical trials (e.g., incorporation of molecular signatures into future clinical trials and large clinical validation studies) and to encourage appropriate commercialization to benefit the public health. The NCI invites investigators to form strategic partnerships that will bring together the multi-disciplinary expertise and resources needed to determine how the information derived from comprehensive molecular analyses can be used to improve patient care and, ultimately, patient outcomes.

Amount: varies  
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-126.html
Application and Early Stage Development of Emerging Technologies in Cancer Research (R21) and (R33)
RFA-CA-10-003 and RFA-CA-10-004
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), National Institutes of Health (NIH), solicits grant applications that propose exploratory research projects on the initial application of emerging analytical technologies as laboratory or clinical tools. An “emerging technology” is defined as one that has passed the initial developmental stage, but has not yet been evaluated within the context of its intended use. Projects proposed in response to this FOA should have the potential to produce a major impact in a broad area of cancer-relevant research. If successful, these technologies would accelerate research in cancer biology, cancer treatment and diagnosis, cancer prevention, cancer control and epidemiology, and/or cancer health disparities. This FOA solicits R21 applications that have high potential impact and allows for an element of technical risk; preliminary data are not required. All projects must include quantitative milestones (i.e. technical metrics that determine whether the specific aims have been accomplished). Projects proposing to use established technologies where the novelty resides in the biological or clinical question being pursued are not appropriate for this solicitation and will be returned as non-responsive. This funding opportunity is part of a broader NCI-sponsored Innovative Molecular Analysis Technologies (IMAT) Program.
Amount: $275,000
LOI: August 30, 2011
Deadline: September 30, 2011
Key Words: Biospecimens, Tumor

Innovative Emerging Molecular Analysis Technologies (SBIR R43/R44)
RFA-CA-10-013
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA) solicits grant applications from small business concerns (SBCs) proposing research towards commercial development of emerging molecular and/or cellular analytical technologies intended for cancer detection and/or characterization. The goal of this FOA is to facilitate the translation of innovative, cancer-relevant technologies into commercial products and/or services. The emphasis is on molecular analysis technologies to improve cancer prevention, detection and diagnosis, surveillance, epidemiological research, and basic cancer research. These technologies may be intended for molecular and cellular analyses in vitro, in situ, and/or in vivo. There must be sound rationale pointing to the commercial potential of the technology to be developed.
Amount: $300,000
LOI: January 8, 2011
Deadline: February 8, 2011
Key Words:

Innovative Therapies and Tools for Screenable Disorders in Newborns (R01), (R03) and ((R21)
PAR-10-230, PAR-10-231 and PAR-10-232
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
National Institute on Deafness and Other Communication Disorders (NIDCD)
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Institute of Health (NIH)
This Funding Opportunity Announcement (FOA) issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), the National Institute of Diabetes and Digestive and Kidney Disease (NIDDK), the National Institute of Neurological Disorders and Stroke (NINDS) and the National Institute on Deafness and Other Communication Disorders (NIDCD) encourages Research Project Grant (R01) applications from institutions/ organizations that propose research relevant to the basic understanding and development of therapeutic interventions for currently screened conditions and high priority genetic conditions for which screening could be possible in the near future. In this FOA, a high priority condition is one for which the development of an efficacious therapy would make the condition amenable to newborn screening.
Amount: varies
LOI: 30 days before the receipt date
Deadline: Standard Dates apply
Key Words:
Defense Sciences Research & Technology
DARPA-BAA-10-55
Defense Sciences Research & Technology
Defense Sciences Office (DSO)
The mission of the Defense Advanced Research Projects Agency's (DARPA) Defense Sciences Office (DSO) is to pursue and exploit fundamental science and innovation for National Defense. Therefore, DSO is soliciting proposal abstracts and full proposals for advanced research and development in a variety of enabling technical areas.

Basic Neuroscience Research: DSO is interested in neuroscience research ideas enabling innovation in the science and technology for improved human performance, specifically to overcome the challenges encountered in the operational environment. The areas for research may span fundamental, applied, and computational neuroscience.

Physics of Nano-Materials and Devices: DSO is interested in fundamental and applied research in nano-materials, design methodologies, and potential device application (e.g., navigation, communication, and sensing of chemical, biological, optical, infrared, acoustic, magnetic, and other signals of interest).

Basic Biology Research: DARPA is interested in fundamental and applied research in the biological sciences across all scales (e.g., quantum to ecological) to contribute to defense capabilities including development of synergies with other disciplines (e.g., information technology, micro/nanotechnology, manufacturing). While broad in scope, novel approaches to biomedical applications, biological warfare defense, and human performance optimization are of particular interest.

Amount: unspecified
LOI: N/R
Deadline: anytime until May 5, 2011
To learn more: https://www.fbo.gov/?s=opportunity&mode=form&id=ffbd2c735e17e3a64fd0c2e4f792ae93&tab=core&cview=0
Key Words: Protein Conformation, Safety or Efficacy of Therapeutics and Vaccines, Field Medical Therapies, Technologies for Non-invasive and/or remote Assessment of Physiological Status, Devices for Rapid Synthesis and Molecular Analysis of Biomolecules and Structures, Unidentified Microbes, Neurotrauma, Penetrating and Non-penetrating Injuries, Stress, Real-time Neural Signal Acquisition and Analysis

Travel Grants
Boehringer Ingelheim Fonds (BIF) - Foundation for Basic Research in Biomedicine
Travel Grants are available to junior researchers pursuing experimental projects in basic biomedical research, to learn clearly-defined methods useful for your ongoing research and the work of your research group at home by visiting another laboratory, or by attending research-orientated courses which include practical training.

Amount: 3 months support
LOI: N/R
Deadline: Continuous
To learn more: http://www.bifonds.de/cgi-bin/show.pl/travel_grants/travel_grants.html?sid=iw5d2ei4y1oz8takvisb4dr4i0a3hoe4
Key Words: Biological Sciences, Biomedical Research Resources, Biomedical Research Training, Health and Medicine

Advances in Bioscience for Airmen Performance
BAA-09-02-RH
Air Force Research Laboratory, Human Effectiveness Directorate, Biosciences and Performance Division (AFRL/RHP)
The 711th Human Performance Wing, Human Effectiveness Directorate is soliciting white papers under this announcement for innovative science and technology projects to support advanced bioscience research. Specifically, the Biosciences and Performance Division is seeking unique and innovative research concepts that address its technical mission areas. Research is sought primarily in the following four technical areas: 1) Applied Biotechnology, 2) Biobehavioral Performance, 3) Biomechanics, and 4) Counter proliferation.

1) Applied Biotechnology - Goal is to develop and exploit advances in biotechnology and associated nanotechnologies to enhance performance and situational awareness of the force.
2) Biobehavioral Performance – Goal is to develop bio-based methods and techniques to sustain and optimize airmen's cognitive performance.
3) Vulnerability Analysis – Goal is to rapidly identify human threat conditions, and sustain/expand Airmen performance in stressful environments. It includes research in physical and physiological biosignatures, neuroscience, anthropometry, biomechanics, human modeling, database networking, and data mining.
4) Counter proliferation – Goal is to improve the Air Force’s ability to locate, identify, track, target, and destroy biological warfare agents (BWA) and other weapons of mass destruction (WMD), as well as anticipate and mitigate WMD effects on AF operations.

Amount: Cost Plus
LOI: White Papers accepted until September 30, 2014
Deadline:
To learn more: https://www.fbo.gov/index?s=opportunity&mode=form&id=411797f6cc2260cb5d9ed346b3c139a4b&tab=core&cview=1&ckk=1&au=a&ck=
Key Words: Gene Expression Balance, Protein Expression Patterns, Phenotypic Patterns, Biomarker Signatures, Cognitive Performance
Cancer and Blood

Pilot Study Awards and Scientific Scholar Awards

New
The Marsha Rivkin Center for Ovarian Cancer Research
The Marsha Rivkin Center (MRC) for Ovarian Cancer Research is announcing funds for approximately five Pilot Study Program awards to be allocated based on scientific merit. A one-year award at $75,000 each, Pilot Study Program awards will support investigator-initiated projects in all areas of ovarian cancer research.

Amount: up to $70,000
LOI: N/R
Deadline: December 1, 2010
To learn more: http://marsharivkin.org/research/apply.html
Key Words: Cancer and Blood

Research on Malignancies in the Context of HIV/AIDS (R01) and (R21)

New
PA-10-290 and PA-10-291
National Cancer Institute (NCI)
National Institute on Dental and Craniofacial Research (NIDCR)
This funding opportunity announcement (FOA) issued by NCI and NIDCR, National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/ organizations that propose to continue advancing our understanding of the risks, development, progression, diagnosis, and treatment of malignancies observed in individuals with an underlying Human Immunodeficiency (HIV) infection or Acquired Immune Deficiency Syndrome (AIDS). The NCI and NIDCR seek to encourage research in areas such as the study of the etiologic factors, cofactors, immunopathogenesis, diagnosis, and consequences of both AIDS-defining and non-AIDS defining malignancies in diverse populations in the context of an underlying HIV infection. This FOA invites research efforts that will: (i) provide information on the clinical outcomes of such cancers in the HIV-infected population; and (ii) identify specific contributions resulting from HIV infection and its potential interaction with other pathogens for the development and pathogenesis of these cancers.

Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Biomarkers, Diagnostics, Therapeutics; Etiology, Pathogenesis and Immunology; Molecular Epidemiology and Prevention; Oral Cavity Malignancies

2010 – 2011 Request for Proposals from Melanoma Research Alliance

New
Melanoma Research Alliance
For the 2010-11 funding cycle, the MRA is soliciting proposals that address the gap in translational science, i.e., turning scientific discoveries into tools and/or treatments for high risk individuals or melanoma patients. Proposals will be accepted in the following categories: 1) individual investigator awards, including young investigator, established investigator, and pilot study awards; 2) team science awards emphasizing collaborative, multidisciplinary research approaches; and 3) academic-industry partnership awards for established investigators or research teams (new this year).

Amount: varies
LOI: N/R
Deadline: November 15, 2010; February 1, 2011; March 15, 2011
To learn more: http://www.melanomaresearchalliance.org/mra_research/rfp.html
Key Words: Combinatorial Treatment Strategies; Molecularly Targeted and Immunologically Based Therapies; Resistance Mechanisms; Prognostic Biomarkers; Epigenetic Markers; miRNA Markers

FY10 Breast Cancer Research Program (BCRP)

New
W81XWH-10-BCRP-POSTDOC2
Department of Defense (DoD)
Congressionally Directed Medical Research Programs (CDMRP)
The Postdoctoral Fellowship Award supports exceptionally talented recent medical or other doctoral graduates performing innovative, high-impact breast cancer research during their postdoctoral training, and allows them to obtain the necessary experience for an independent career at the forefront of breast cancer research. Candidates for this award should exhibit a strong desire to pursue a career in breast cancer research.

Amount: $300,000
LOI: November 18, 2010
Deadline: December 2, 2010
To learn more: http://cdmrp.army.mil/funding/bcrp.shtml

Key Words:

Translational Grants
The American Brain Tumor Association
These awards help scientists further develop studies on the cusp of moving from the laboratory into patient testing. These $75,000 one year grants often support the collection of the preclinical data researchers need to apply for major funding from other sources, such as the National Cancer Institute (NCI) or the National Institute of Neurological Disorders and Stroke (NINDS). Applicants must be in the earlier years of their investigator career. Criteria for funding include the quality and therapeutic potential of the research, the quality of the laboratory environment, and the applicant.

Amount: $75,000
LOI: N/R
Deadline: January 8, 2011
To learn more: http://www.abta.org/Research_Progress/2010_Funding_Opportunities/294

Key Words: Brain Tumor

Cancer Research Grants
Pardee Foundation
The Elsa U. Pardee Foundation funds investigators proposing research directed toward identifying new treatments or cures for cancer. The foundation particularly encourages grant applications for a one-year period which will allow establishment of capabilities of new cancer researchers, or new cancer approaches by established cancer researchers. It is anticipated that this early stage funding by the foundation may lead to subsequent and expanded support using government agency funding. Project relevance to cancer detection, treatment, or cure should be clearly identified. A final report summarizing financial expenditure and research achievement is required.

Amount: unspecified
LOI: N/R
Deadline: Continuous
To learn more: http://www.pardeefoundation.org/grants.aspx

Key Words: Cancer

Decision Making in Cancer: Single-Event Decisions (R01) [PA-08-063] and (R21) [PA-08-064]
PA-08-063 and PA-08-064
NIH
The purpose of this Funding Opportunity Announcement (FOA) is to invite applications for research projects that will enhance understanding of human decision-making processes so that individuals can make more informed and satisfying choices regarding their health. The NCI encourages collaborations between researchers studying the processes of basic judgment and decision-making and researchers conducting cancer control investigations that will elucidate single-event decision-making processes, at the level of either the individual patient or health care provider. These decision-making processes are pertinent to cancer prevention, detection, treatment, survivorship, or end-of-life care. For the purpose of this initiative, a single-event decision is defined as a discrete decision made at a specific point in time.

Amount: varies
LOI: N/R
Deadline: continuous; see listing

Key Words:

Enhancing Tumoricidal Activity of Natural Killer (NK) Cells by Dietary Components for Cancer Prevention (R01) [PA-08-131] and (R21) [PA-08-132]
PA-08-131 and PA-08-132
NIH
This funding opportunity announcement (FOA) is designed to stimulate research efforts aimed at establishing the physiological significance of dietary components in modulating the tumoricidal cell activity of natural killer (NK) cells for cancer prevention. The focus
of research projects proposed in response to this FOA should be on defining the minimum quantity and duration of exposure to specific dietary components to modulate tumoricidal cell activity of NK cells for cancer prevention and the underlying mechanism(s) accounting for this response. Proposed projects must include animal and/or human investigations to be considered responsive to this announcement. Highly purified populations of immune cells, specific tumor cells such as RMA-S that lack class I MHC expression, target cell-free system, or single-cell assays may be used to define the molecular basis for the diet-induced changes in tumoricidal activity. However, the in vitro studies are only to be used to support in vivo studies and should not constitute the primary focus of the application. Molecular targets for food components may be examined at the sites of the tumoricidal cell receptors and cancer cell specific ligands, the output of tumoricidal cytokines (e.g., IFN-γ), and the release of lytic granules such as a granulysin, perforin, and serine proteases (granzymes).

Amount: varies
LOI: N/R
Deadline: Standard dates apply

**Key Words:**

**Correlative Studies with Specimens from Multi-Site Trials (R21) [PA-08-133] and (R01) [PA-08-134]**

PA-08-133 and PA-08-134
NIH
This Funding Opportunity Announcement (FOA) is intended to support translational correlative studies that utilize annotated tumor and/or other biospecimens collected during large-scale multi-institutional clinical and/or prevention trials, respectively. The Cancer Therapy Evaluation Program (CTEP), the Cancer Diagnosis Program (CDP), and the Cancer Biomarkers Research Group (CBRG) of the NCI are cooperatively sponsoring this FOA with the overarching goal to facilitate predictions of responses to current interventions, and inspire future development of improved therapeutic and preventive strategies. Projects proposed in response to this FOA should address the correlations between intervention outcomes and cancer patients’ disease characteristics determined at various cellular/molecular levels. For example, disease progression patterns may be correlated with tumor genotypic and/or phenotypic profiles (at the levels of the genome, epigenome, gene expression and/or protein and non-protein molecular markers. This FOA will only support studies that use tumor specimens linked to specific interventions/trials. To be able to achieve these translational goals, the proposed projects are expected to rely on interactions between basic researchers and clinical investigators, in order to improve future drug development and interventions.

Amount: Direct costs are limited to $275,000 over an R21 2-year period, with no more than $200,000 in direct costs allowed in any single year.
LOI: N/R
Deadline: Standard dates apply

**Key Words:**

**Exfoliated Cells, Bioactive Food Components, and Cancer (R01) [PA-08-030] and (R21) [PA-08-031]**

PA-08-030 and PA-08-031
NIH
The National Cancer Institute (NCI) invites applications for new R01 grants focusing on research to critically evaluate the use of exfoliated cells to monitor the physiological effects of dietary bioactive food components thought to be involved with cancer prevention. The objective is to encourage interdisciplinary collaborations between scientists engaged in research using exfoliated cells and those conducting nutrition research related to cancer prevention. This research will help determine the utility of exfoliated cells as a model system to monitor both the absorption and retention of bioactive food components and the concomitant alterations in genomic and epigenetic events that occur in intact cells.

Amount: $275,000 over 2 years
LOI: N/R
Deadline: multiple, see announcement; continuous through January 8, 2011

**Key Words:**

**Cancer Education Grants Program (R25)**

PAR-08-120
NIH
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages applications for the development of: (i) innovative cancer education programs; and (ii) cancer research dissemination projects that can be completed within 5 years. Specifically, the types of Cancer Education Grant Programs (CEGP) that may be supported include: (1) innovative educational programs intended to motivate biomedical and other health science students to pursue cancer related careers; (2) short courses to update cancer research scientists in new scientific methods, technologies and findings; (3) training of cancer care clinicians and community health care providers in evidence-based cancer prevention and control approaches; and (4) development of effective
innovative education (dissemination) approaches to translate knowledge gained from science (discovery) into public health, and community applications (delivery).

-Mechanism of Support. This FOA will use the NIH Research Education (R25) grant mechanism. Research education programs may not be transferred from one institution to another, unless strongly justified (see Section VI.2).

-Funds Available and Anticipated Number of Awards. Awards issued under this FOA are contingent upon the availability of funds and the submission of a sufficient number of meritorious applications

Amount: $330,000 annually
LOI: N/R
Deadline: September 7, 2011
To learn more: [http://grants.nih.gov/grants/guide/pa-files/PAR-08-120.html](http://grants.nih.gov/grants/guide/pa-files/PAR-08-120.html)

Key Words:

NCI Transition Career Development Award to Promote Diversity (K22)

PAR-08-047
NCI
This Funding Opportunity Announcement (FOA) represents the continuation of an NCI program to make possible the diversification of the cancer research workforce via facilitation of the transition of investigators from minority groups underrepresented in biomedical research, primarily those with clinical doctoral degrees as well as those with doctoral degrees working in the areas of cancer prevention, control, behavioral, or population science research, from the mentored stage of career development in academic cancer research to the independent stage. This goal is achieved by providing protected time through salary and research support for 3 years to: postdoctoral individuals or junior faculty in mentored positions transitioning into their first independent position; and investigators within the first 2 years of their first independent cancer research position, to initiate and develop their independently-supported cancer research programs.

Amount: 3 years of salary (up to $75,000 per annum plus fringe benefits) and research support up to $50,000 per annum.
LOI: N/R
Deadline: multiple, see listing

Key Words:

Translational Research at the Aging/Cancer Interface

[(R01) PA-08-230] [(R21) PA-08-231]
National institute on Aging (NIA)
This Funding Opportunity Announcement (FOA) issued by the National Institute on Aging, National Institutes of Health, encourages research grant applications from institutions/organizations that propose translational research in the overlapping areas of human aging and cancer, linking basic and clinical research relevant to the care of older cancer patients through both “bench to bedside” and “bedside to bench” approaches. Ultimately, information from the research supported by this initiative should improve the health and well-being of elderly patients at risk for, or diagnosed with, cancer and decrease the functional impairment and morbidity associated with cancer in this population.

Amount: $350,000
LOI: N/R
Deadline: Standard dates apply

Key Words: Aging, Cancer

Research on Clinical Decision Making in People with or at Risk for Life-Threatening Illness (R01) and (R21)

PA-09-122 and PA-09-121
National Institute of Nursing Research (NINR)
National Cancer Institute (NCI)
This funding opportunity announcement (FOA) issued by the National Institute of Nursing Research (NINR) and the National Cancer Institute (NCI), National Institutes of Health, seeks to stimulate research on the decision-making processes made by persons at risk for and those faced with life-threatening illness. These illnesses are ones that almost always lead to death in a fairly short period of time if left untreated, but may be chronic or even cured if dealt with early in the disease process. An example of a life-threatening illness that may be chronic for some years would be HIV infection when treated. An example of a life-threatening illness that may be cured in its early stages would be breast cancer. Decision-making can occur from the point of adopting preventive behaviors through the end of life. Examples of such decisions could include participating in an HIV vaccine clinical trial, testing for genetic disorder, choosing a treatment intervention vs. watchful waiting (as in early stage prostate cancer), choosing a treatment intervention among several options, joining a therapeutic clinical trial, or making end-of-life care decisions.

Amount: varies
LOI: N/R
Deadline: Standard dates apply
Erythropoiesis: Components and Mechanisms (R01)
PA-09-255
National Institute of Diabetes and Digestive and Kidney Diseases
National Heart, Lung, and Blood Institute (NHLBI)
National Institute on Aging (NIA)
This FOA issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) the National Institute of Aging (NIA), and the National Heart, Lung, and Blood Institute (NHLBI), National Institutes of Health, encourages investigator-initiated R01 applications that propose hypothesis-driven research using erythroid cells. The aim of this program is to support research efforts towards a complete description of the molecular and cellular components of erythropoiesis and how these components contribute to erythropoiesis. Components include genes that are expressed (transcriptome) in erythroid cells, either during development or during differentiation, and the proteins (proteome) that are translated in erythroid cells, especially with post-translational modifications or subcellular localizations that are unique to erythroid cells. A long range goal of this program is to generate a concise description of erythropoiesis that unifies genetics, molecular processes and cytokine determinants in the erythroid lineages so that new therapeutics may be developed to measure and combat anemia.
Amount: $2,500,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-255.html
Key Words: Erythropoiesis

Stimulating Hematology Investigation: New Endeavors (SHINE) (R01)
PAS-10-046
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
The Stimulating Hematology Investigation: New Endeavors (SHINE) program is intended to promote innovative, high quality hematology research relevant to the mission of The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK). In the SHINE program, NIDDK invites investigator-initiated research project grant applications in specific areas of basic and translational hematology research where needs and opportunities for progress are particularly timely. Specific research topic areas supported by the SHINE program, as outlined below, will change over time and be up-dated annually through the NIH Guide to Grants and Contracts.
Ribosomes and Their Role in Disease
Non-erythroid Expression and Function of Erythropoietin Receptors
Heme Regulation during Erythropoiesis
Anemia of Inflammation and of Chronic Disease
Iron Overload
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAS-10-046.html
Key Words: Anemia, Blood, Iron

Pilot and Feasibility Clinical Research Studies in Digestive Diseases and Nutrition (R21)
PA-09-151
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Cancer Institute (NCI)
National Institute of Nursing Research (NINR)
Office of Dietary Supplements, National Institutes of Health (ODS)
This FOA issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK); the National Cancer Institute (NCI); the National Institute for Nursing Research (NINR), and Office of Dietary Supplements (ODS) of the National Institutes of Health, encourages pilot and feasibility clinical and epidemiological research studies of new therapies or means of health promotion and prevention of digestive and liver diseases and nutritional disorders associated with digestive and liver diseases, including cancer.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-151.html
Key Words: Liver Disease, Nutritional Disorders
Selected Topics in Transfusion Medicine (R21) and (R01)
PAR-10-033 and PAR-10-034
National Heart, Lung, and Blood Institute (NHLBI)
This FOA issued by the National Heart, Lung, and Blood Institute (NHLBI), National Institutes of Health (NIH), encourages research
grant applications from investigators who propose to study topics that will determine blood banking and transfusion practice.
Amount: $275,000 and up
LOI: N/R
Deadline: Standard dates apply
Key Words: Blood Banking, Transfusion

NHLBI Program Project Applications (P01)
PAR-10-285
National Heart, Lung, and Blood Institute (NHLBI)
This Funding Opportunity Announcement (FOA), issued by the National Heart, Lung, and Blood Institute (NHLBI) continues the long
standing program project program detailed at http://www.nhlbi.nih.gov/funding/resmech.htm and invites submission of investigator-initiated Program Project (P01) applications. The proposed programs may address scientific areas relevant to the NHLBI mission including the biology and diseases of the heart, blood vessels, lung, and blood; blood resources; and sleep disorders. Each P01 application submitted in response to this FOA must include at least three related research projects that share a common central theme, focus, and/or overall objective.
Amount: $7,575,000
LOI: see program announcement
Deadline: Standard dates apply
Key Words: Clinical Trials

Investigator Initiated Multi-Site Clinical Trials (Collaborative R01)
PAR-10-096
National Heart, Lung, and Blood (NHLBI)
The purpose of this Funding Opportunity Announcement is to provide a vehicle for submitting grant applications for investigator-initiated multi-site Phase II or Phase III randomized, controlled clinical trials. The trials may address any research question related to the mission and goals of NHLBI and may test clinical or behavioral interventions.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-096.html
Key Words: Clinical Trials

Etiology, Prevention, and Treatment of Hepatocellular Carcinoma
[(R01) PA-08-243] and [(R21) PA-08-244] and [(P01) PAR-08-245]
PA-08-243 and PA-08-244 or PAR-08-245
National Cancer Institute
National Institute on Alcohol Abuse and Alcoholism
National Institute of Diabetes and Digestive and Kidney Diseases
With this Funding Opportunity Announcement (FOA), the National Cancer Institute (NCI), the National Institute of Diabetes and
Digestive and Kidney Diseases (NIDDK), and the National Institute on Alcohol Abuse and Alcoholism (NIAAA) encourage grant
applications that: (a) address the etiology and etiologic mechanisms of hepatocellular carcinoma (HCC); (b) propose development of
animal models for HCC; (c) propose novel approaches to prevent HCC malignancy; (d) propose therapeutic or diagnostic tools for
reliable prognostic indicators for HCC; and/or (e) develop therapeutic approaches to minimize morbidity and mortality associated with
HCC in humans. The primary focus of the proposed project must be on the basic biology, prevention, and/or treatment of liver cancer.
Applications solely concerned with population studies and epidemiology will not be supported in connection with this FOA. This FOA
will utilize the R01 grant mechanism and runs in parallel with two FOAs of similar scientific scope: (1) PA-08-244, for pilot
exploratory/developmental projects using the R21 mechanism; and (2) PAR-08-245, for program project grants under the P01
mechanism.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Stem Cells and Cancer (R21)  
PA-08-165  
National Cancer Institute  
National Institute on Aging  
This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), and the National Institute on Aging (NIA), encourages research in all aspects of tumor stem cell biology, including the molecular and biochemical regulation of embryonic and adult stem cell behavior relevant to tumor formation. This FOA intends to stimulate efforts on isolation and characterization of tumor stem cells from a large spectrum of tumors. In addition, more research is encouraged to understand the genetic and biochemical regulatory mechanisms that control the self-renewal phenotype, asymmetric cell division, and the stem cell microenvironment (or “niche”).  
Amount: $275,000 over a 2-year period  
LOI: N/R  
Deadline: Standard dates apply  
To learn more: [http://grants.nih.gov/grants/guide/pa-files/PA-08-165.html](http://grants.nih.gov/grants/guide/pa-files/PA-08-165.html)  
Key Words: Cancer, Stem Cells, Tumor Cells

In Utero Exposure to Bioactive Food Components and Mammary Cancer Risk (R01) [PA-08-0140]  
In Utero Exposure to Bioactive Food Components and Mammary Cancer Risk (R21) [PA-08-0141]  
PA-08-140 and PA-08-141  
National Cancer Institute  
National Institute of Environmental Health Sciences  
Office of Dietary Supplements  
This Funding Opportunity Announcement (FOA) encourages innovative preclinical research applications that will enhance the understanding of the relationship between exposure(s) to bioactive food components and/or environmental chemicals in utero, hormonal and growth-factor response, gene expression or epigenetic changes, and subsequent mammary cancer risk in preclinical models. This FOA encourages applications that apply new high-throughput genomic, epigenomic, proteomic, and metabolomic technologies to determine how dietary exposures in utero influence adult breast cancer susceptibility. The resulting information will help define effective maternal dietary intervention strategies for breast cancer prevention in offspring.  
Amount: varies  
LOI: N/R  
Deadline: Standard dates apply  
Key Words:

Biomarkers of Infection-Associated Cancers (R01) [PA-08-156]  
Biomarkers of Infection-Associated Cancers (R21) [PA-08-157]  
PA-08-156 and PA-08-157  
National Cancer Institute  
National Institute of Dental and Craniofacial Research  
This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI) and the National Institute of Dental and Craniofacial Research (NIDCR), of the National Institutes of Health (NIH), encourages the submission of Research Project Grant (R01) applications from institutions and organizations that propose to identify biomarkers for cancers where the etiology of the disease is attributed to infectious agents.  
Amount: varies  
LOI: N/R  
Deadline: Multiple dates, see announcement  
Key Words: Biomarkers, Cancer Biology

Prioritizing Molecular Targets for Cancer Prevention with Nutritional Combinations (R01)  
PA-10-035  
National Cancer Institute (NCI)  
Office of Dietary Supplements (ODS)  
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), and the Office of Dietary Supplements (ODS), of the National Institutes of Health (NIH), invites research applications to enhance our understanding about the dynamic interrelationship that exists between bioactive food components (and/or combinations thereof) and cancer prevention. Although much
evidence exists that dietary components are linked to cancer prevention, the interactions among dietary bioactive compounds and food combinations remains under-investigated. Applications are encouraged to consider either multiple dietary bioactive components, intact foods or multiple foods utilizing physiologically relevant concentrations of the agents. New genetic technologies may be employed to study the impact of dietary components on complex cellular and molecular networks, as part of the effort to better understand the basis for the multifaceted interactions of food components with cancer prevention mechanisms. Specifically, applications that apply new high-throughput genomic, epigenomic, proteomic, and metabolomic technologies to prioritize molecular targets of dietary components are highly encouraged. The sites of action that may be evaluated include carcinogen metabolism, DNA repair, cell proliferation, apoptosis, differentiation, hormonal regulation, energetics, inflammation, and/or angiogenesis. In addition, applications should either evaluate multiple molecular targets within a cancer process or multiple processes in order to prioritize which process(es) is/are most involved in bringing about a phenotypic change. It is hoped that advances in this area may assist in optimizing cancer prevention while minimizing potential toxicity due to food components. The resulting information will help define which foods or food components should be considered in isolation or in combination when developing dietary strategies to reduce cancer risk and/or modify tumor behavior.

Amount: varies
LOI: N/R
Deadline: Standard dates apply

Key Words: Dietary Components, Cancer Prevention

Diet, Epigenetic Events, and Cancer Prevention (R01) and (R21)
PA-09-234 and PA-09-235
National Cancer Institute (NCI)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
Office of Dietary Supplements (ODS)
The aim of this funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), the National Institute on Alcohol Abuse and Alcoholism (NIAAA), and the Office of Dietary Supplements (ODS), of the National Institutes of Health (NIH), is to promote clinical and preclinical research to determine how diet and dietary factors, including dietary supplements, impact DNA methylation, histone posttranslational modification, noncoding RNA, and other epigenetic processes involved in cancer prevention and development. Another important aim of this FOA is to encourage collaborations between nutrition and epigenetic experts to study bioactive food components with cancer-preventative properties and to examine key epigenetic events in cancer processes (e.g., carcinogen metabolism, cell division, differentiation, and apoptosis) in order to begin to establish linkages between epigenetics, methylation patterns, and tumor incidences/behaviors.

Amount: varies
LOI: N/R
Deadline: Standard dates apply

Key Words: DNA Methylation, Histones, Dietary Supplements, Cancer

Investigational Nutrigenetic Studies for Cancer Prevention
[(R01) PA-08-220] and [(R21) PA-08-221]
PA-08-220 and PA-08-221
National Cancer Institute (NCI)
National Institute of Nursing Research (NINR)
Office of Dietary Supplements (ODS)
This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), the National Institute of Nursing Research (NINR), and the Office of Dietary Supplements (ODS), of the National Institutes of Health (NIH), solicits applications for research projects that can combine information on individual genetic variations from the Human Genome and International HapMap Projects to stimulate small pilot dietary intervention studies. The overarching goal is to examine whether genetic variants can predict individual response to dietary components that alter cancer processes and modify individual susceptibility to cancer. These studies will allow for personalization of cancer preventive dietary strategies to reduce cancer risk in genetically susceptible individuals. Assocational and non-interventional epidemiologic-focused studies will not be supported in conjunction with this FOA.

Amount: varies
LOI: N/R
Deadline: Standard dates apply

Key Words: Dietary Intervention, Cancer Susceptibility, Genetic Predictions

Small Grants for Behavioral Research in Cancer Control (R03)
PA-09-003
National Cancer Institute (NCI)
National Institute of Nursing Research (NINR)
This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI) and the National Institute of Nursing Research (NINR), at the National Institutes of Health (NIH), is intended to provide support for either new investigators in cancer-related behavioral research, or investigators who want to refocus their research interests toward behavioral research in cancer control. The program is designed to facilitate the growth of a nationwide cohort of scientists with research experience in behavioral cancer control and design of public health interventions. Preliminary data for the proposed projects are not required. Overarching goals are to: (1) encourage new investigators to enter the field of behavioral research in cancer control and initiate their long-term career development aimed at becoming independent investigators in the field, and (2) support research on transfer of behavioral science knowledge into cancer control practice.

Amount:  $100,000
LOI:  N/R
Deadline:  December 20, 2010; April 20, 2011; August 22, 2011; December 20, 2011
To learn more:  http://grants.nih.gov/grants/guide/pa-files/PAR-09-003.html

Key Words: Cancer, Cancer Prevention, Cancer Control

Developmental Projects in Complementary Approaches to Cancer Care and Treatment (R21) and (R03)
PA-09-167 and PA-09-168
National Cancer Institute (NCI)
National Institute of Nursing Research (NINR)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), and the National Institute of Nursing Research (NINR), of the National Institutes of Health, invites applications for basic, pre-clinical, and clinical complementary cancer research. The research should relate to the areas of prevention, diagnosis, and treatment of cancer as well as management of cancer symptoms and side effects due to conventional cancer treatment. In addition, this FOA encourages the development and application of emerging and innovative technologies, including identification of novel therapeutics in the pharmacopoeia of Traditional Medical Systems (as defined by the World Health Organization), use of complementary approaches to improve the therapeutic ratio of standard and investigational anti-cancer therapies, and research on lifestyle modifications (e.g. diet, exercise, mind-body approaches) for their impact on cancer outcomes (e.g., response to conventional cancer therapy, survival). The overarching goals of this FOA is to encourage investigators to submit high quality, preliminary research of humans that will advance the science of Complementary and Alternative Medicine (CAM) and provide a solid foundation and justification for future research project (R01) grant applications to definitively determine the efficacy of CAM approaches.

Amount:  $275,000
LOI:  N/R
Deadline:  Standard dates apply

Key Words: CAM, Alternative Therapy, Cancer

Specialized Programs of Research Excellence (SPOREs) in Human Cancer for Years 2010, 2011 and 2012 (P50)
PAR-10-003
National Cancer Institute (NCI)
National Institute of Dental and Craniofacial Research (NIDCR)
National Institute of Neurological Disorders and Stroke (NINDS)
The National Cancer Institute (NCI), the National Institute of Dental and Craniofacial Research (NIDCR), and the National Institute of Neurological Disorders and Stroke (NINDS), at the National Institutes of Health (NIH), invite new or renewal (competing) applications for P50 Research Center Grants for Specialized Programs of Research Excellence (SPOREs). The program will fund 5-year P50 SPORE grants to support state-of-the-art investigator-initiated research that will contribute to improved detection, diagnosis, treatment, and prevention of an organ-specific cancer (or a related group of cancers). SPOREs are expected not only to conduct a wide spectrum of research activities, but also to contribute significantly to the development of specialized research COREs, improved research model systems, and collaborative research projects with other institutions. The research supported through this program must be translational in nature and must always be based upon knowledge of human biology stemming from research using cellular, molecular, structural, biochemical, and/or genetic experimental approaches.

Amount:  $12,500,000
LOI:  December 20, 2010; April 20, 2011; August 20, 2011; December 20, 2011; April 22, 2012; August 20, 2012
To learn more:  http://grants.nih.gov/grants/guide/pa-files/PAR-10-003.html

Key Words: Organ Specific Cancer, Translational

The Role of Microbial Metabolites in Cancer Prevention and Etiology (U01)
PAR-10-208
National Cancer Institute (NCI)
National Center for Complementary and Alternative Medicine (NCCAM)
This Funding Opportunity Announcement (FOA) issued by the National Cancer Institute (NCI), and the National Center for Complementary and Alternative Medicine, (NCCAM), at the National Institutes of Health, encourages the submission of grant applications that characterize the effects of microbially generated metabolites of dietary components on host cell biology. Specifically, this FOA seeks to characterize microbially generated metabolites and better understand their molecular mechanisms of action that affect host cell proliferative/apoptotic responses, cytokine production, inflammatory and immunomodulatory effects. This FOA will also encourage the conduct of human intervention studies that identify inter-individual variability among various racial and ethnic groups in the production of bacterial metabolites and determine their efficacy in cancer prevention. This research is necessary to better understand the role of dietary components in cancer etiology, prevention, and cancer health disparities to identify who might benefit from specific dietary recommendations and who might be placed at risk. One of the goals of this program will be to facilitate interdisciplinary collaborations among scientists engaged in nutrition, cancer prevention, cancer cell biology research, and cancer disparities research with all conducting studies with gut microorganisms. All applications must include multiple principle investigators with different areas of expertise such as microbiology, nutrition, cancer biology, analytical chemistry, or genetics. In addition, all investigators will be required to attend annual meetings with NIH personnel. Investigators may use either clinical or preclinical approaches.

Amount: varies
LOI: October 15, 2011; October 15, 2012
Deadline: November 15, 2011; November 15, 2012

**Key Words:**

Identifying Non-coding RNA Targets for Cancer Early Detection and Prevention (R21) and (R01)

PA-09-200 and PA-09-199
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages research grant applications from institutions/organizations on the discovery and characterization of non-coding (nc) RNAs in preneoplasias and early stage cancers to: 1) improve early cancer detection, intervention, and prevention; 2) predict risk of progression from preneoplasia to cancer, and 3) distinguish benign lesions from precancerous lesions.

Amount: varies
LOI: N/R
Deadline: Standard dates apply

**Key Words:** non-coding RNA, Cancer Detection, Biomarkers

Biomarkers for Early Detection of Hematopoietic Malignancies (R01) and (R21)

PA-09-197 and PA-09-198
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages research grant applications from institutions/organizations for the development and validation of biomarkers for: a) early detection, prediction of progression, and recurrence of hematopoietic malignancies, especially in high-risk individuals; and, b) for risk assessment of primary and secondary hematopoietic malignancies. This FOA is also encourages the development and improvement of specific technologies and methods for quantitative detection of novel biomarkers associated with hematopoietic malignancies.

Amount: varies
LOI: N/R
Deadline: Standard dates apply

**Key Words:** Hematopoietic Cancers, Biomarkers

Developmental Research in Cancer Prognosis and Prediction (R21) and (R33)

PA-09-158 and PA-09-159
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), National Institutes of Health (NIH), encourages research applications from institutions and organizations to evaluate the utility and pilot the application of new strategies for determining prognosis or predicting response to therapy for cancer. The purpose of this FOA is to develop newly discovered biomarkers from initial correlative observations into assays or test systems suitable for use in clinical trials or other types of confirmatory clinical research studies. This program will provide tools whose purpose is to improve clinical decision-making in the care of cancer patients.

Amount: $275,000
LOI: N/R
Deadline: Standard dates apply

**Key Words:** Cancer, Molecular Targeting
Studies of Energy Balance and Cancer in Humans (R01) and (R21)
PA-09-148 and PA-09-149
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), at the National Institutes of Health (NIH), invites grant applications for studies that focus on research to define factors affecting energy balance and to define mechanisms influencing cancer risk, prognosis, and quality of life. These studies may range from new analyses of existing datasets to additional collection of data and biological specimens in ongoing investigations. It is anticipated that the knowledge gained will provide additional information to better understand the relationships among energy balance, cancer risk, and prognosis.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Energy Balance, Cancer

Cancer Surveillance Using Health Claims-based Data System (R01), (R21), and (R03)
PA-09-145 and PA-09-144 and PA-09-143
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages grant applications for research entailing the use of health claims data for cancer surveillance. Cancer surveillance may include assessment of patterns of care, quality, and outcomes of care, and health disparities across the continuum of treatment. Projects sought under this FOA may focus on treatment and outcomes at the patient-specific level or include influences from the provider or broader health-system level. This FOA will utilize the NIH Research Project Grant (R01) grant mechanism and runs in parallel with two other FOAs of identical scientific scope, that encourages applications under the R21 (PA-09-144) and the R03 (PA-09-143) mechanisms.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Cancer Surveillance, Epidemiology, Cancer, Health Claims

Erythropoiesis Stimulating Agents and Tumor Progression
[(R01) PA-09-023] and [(R21) PA-09-024]
PA-09-023 and PA-09-024
National Cancer Institute (NCI)
This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), invites applications for research projects that investigate the effects of Erythropoietin (EPO) on tumor cell growth. EPO has been widely used to relieve the anemia associated with renal failure. In addition, EPO and other erythropoiesis stimulating agents (ESAs) have recently been used to treat the anemia associated with cancer chemotherapy. However, several clinical trials involving administration of ESAs, have suggested that ESAs may accelerate tumor progression and increase mortality in cancer patients. It is therefore important to understand the biology of ESAs on tumor cell growth and apoptosis. The purpose of this FOA is to stimulate high quality research on the effects of ESAs on tumor cell biology and tumor progression.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Angiogenesis, EPO, Erythropoietin, Cancer Therapy

Cancer Prevention Research Small Grant Program (R03)
PAR-08-055
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA) is designed to enhance the basic and applied cancer prevention research. The National Cancer Institute (NCI) invites applications that propose small and time-limited projects pertinent to the development of cancer chemoprevention agents, biomarkers for early cancer detection, cancer-related nutrition science, and/or clinical prevention studies that focus on specific target organs. Proposed projects may involve basic and/or translational research and/or human subjects-oriented research. However, treatment-related quality-of-life population-based studies, as well as projects focused on cancer etiology, metastasis, or treatment will be considered non-responsive to this FOA. New, as well as established, investigators in relevant fields and disciplines (e.g., chemoprevention, nutritional science, genetics, infectious agents, and early detection, including biomarker
development and validation) are encouraged to apply for these small grants to test the feasibility of innovative ideas or carry out pilot studies. Ultimately, these small grants are expected to facilitate the development of full research projects.

**Amount:** $100,000  
**LOI:** N/R  
**Deadline:** December 09, 2010  
**To learn more:** [http://grants.nih.gov/grants/guide/pa-files/PAR-08-055.html](http://grants.nih.gov/grants/guide/pa-files/PAR-08-055.html)  
**Key Words:** Cancer

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**Exploratory Studies in Cancer Detection, Diagnosis, and Prognosis (R21)**  
**PA-08-267**  
National Cancer Institute (NCI)

This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), invites grant applications from institutions and organizations that are interested in developing and testing innovative methods in cancer detection, diagnosis, and prognosis. The NCI is especially interested in research studies that focus on the development and testing of improved methods for detecting specific characteristics of cancer, which can be subsequently used for the clinical management of cancer patients or individuals who are at risk for (developing) cancer. It is important that research studies focus on the search for molecular and cellular differences between tumors, pre-malignant, or normal tissues. The studies should determine the clinical translational significance of these differences by correlation with clinical parameters, in order to answer clinical problems related to detection, diagnosis, treatment, and prognosis.

**Amount:** $275,000  
**LOI:** N/R  
**Deadline:** Standard dates apply  
**Key Words:** Cancer, Clinical Translational Studies

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**Understanding the Effects of Emerging Cellular, Molecular, and Genomic Technologies on Cancer Health Care Delivery**  
[[(R01) PA-09-004] and [(R21) PA-09-005]]  
**PA-09-004 and PA-09-005**  
National Cancer Institute (NCI)

This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), National Institutes of Health (NIH), invites grant applications for health services research that address the utilization of emerging cellular, molecular, and genetic or genomic (CMG) technologies in cancer care. The studies will assess CMG technologies in relation to: (a) quality of care; (b) organizational barriers and change factors in utilization; (c) cost and cost-effectiveness; (d) disparities in access and efficacy; (e) monitoring of cross-sectional patterns of care and time trends; (f) impact on existing standards of care; and (g) influence on cancer outcomes such as incidence, progression, mortality, survival, and quality of life. This FOA specifically encourages research on commercially available CMG clinical tools already in use, as well as experimental tools in the later stages of development and/or in the regulatory approval pipeline. The funding opportunity also encourages interdisciplinary collaborations between health services researchers and those in the clinical and/or translational sciences.

**Amount:** varies  
**LOI:** N/R  
**Deadline:** Standard dates apply  
**Key Words:** Health Disparity, Cancer, Cancer Treatment

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**Etiology, Prevention, and Treatment of Hepatocellular Carcinoma (P01)**  
**PAR-09-147**  
National Cancer Institute (NCI)

With this Funding Opportunity Announcement (FOA), the National Cancer Institute (NCI) invites grant applications that: (a) address the etiology and etiologic mechanisms of hepatocellular carcinoma (HCC); (b) propose development of animal models for HCC; (c) propose novel approaches to prevent HCC malignancy; (d) propose therapeutic or diagnostic tools for reliable prognostic indicators for HCC; and/or (e) develop therapeutic approaches to minimize morbidity and mortality associated with HCC in humans. The primary focus of the proposed projects must be on the basic biology, prevention, and/or treatment of liver cancer.

**Amount:** varies  
**LOI:** December 28, 2010; and April 27, 2011  
**Deadline:** January 28, 2011; and May 27, 2011  
**To learn more:** [http://grants.nih.gov/grants/guide/pa-files/PAR-09-147.html](http://grants.nih.gov/grants/guide/pa-files/PAR-09-147.html)  
**Key Words:** Hepatocarcinoma
Academic-Industrial Partnerships for Translation of in vivo Imaging Systems for Cancer Investigations (R01)
PAR-10-169
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA) issued by the Cancer Imaging and Radiation Research Programs of the National Cancer Institute (NCI), National Institutes of Health (NIH), encourages applications from research partnerships formed by academic and industrial investigators to accelerate the translation of either animal or human in vivo imaging, image guided, and/or spectroscopic systems and methods designed to solve targeted cancer problems for cancer research, clinical trials, and/or clinical practice. The partners on each application will establish an inter-disciplinary, multi-institutional research team to work in a strategic alliance to implement a coherent strategy to develop and translate the proposed system or methods with potential for significant impact on preclinical, single, or multisite clinical studies. Partnerships must include at least one lead academic and one lead industrial organization large or small among their numbers. For either preclinical or clinical research, funding may be requested for limited additional copies of prototype systems and methods in order to optimize and validate them across different platforms and/or research sites. Each partnership is encouraged to plan to solve its choice of targeted cancer problem within the five year funding period. This FOA supports clinical trials that emphasize optimization and validation of the performance of imaging systems, including devices, agents and/or methods. It will not support commercial production.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: in vivo Imaging, Cancer

National Cancer Institute (NCI) Cancer Education and Career Development Program (R25)
PAR-10-165
National Cancer Institute (NCI)
The purpose of the CECDP is to support the development and implementation of institutional curriculum-dependent predoctoral/postdoctoral programs in the areas of cancer prevention and control, behavioral and population sciences research, nutrition, epidemiology, and/or biostatistics.
Amount: $500,000
LOI: N/R
Deadline: Standard dates apply
Key Words: Educational Program Development, Cancer

Paul Calabresi Career Development Award for Clinical Oncology (K12)
PAR-10-155
National Cancer Institute (NCI)
This funding opportunity announcement (FOA) issued by the National Cancer Institute (NCI) encourages applications for institutional research career development (K12) programs from applicant organizations that propose to promote the training and career development of translational and clinical trials researchers. The purpose of the Paul Calabresi Career Development Award in Clinical Oncology (PCACO) K12 (NIH Institutional Research Career Development K12 grant mechanism) is to increase the number of clinicians (M.D.s, D.O.s, Pharm.D.s) and basic research scientists (Ph.D.s or equivalents) who are trained to design and administer hypothesis-based pilot/Phase I, Phase II, and Phase III cancer therapeutic clinical trials in team research settings. A PCACO can support the research career development of clinicians only (single-track program) or clinicians and Ph.D. basic research scientists (dual-track program). Clinical and basic research scientists will collaborate and interact to expedite the translation of basic science research discoveries into patient-oriented therapeutic cancer research. The PCACO is not intended to train laboratory-based scientists whose research will be primarily focused upon the use of animal or other model systems.
Amount: $5,250,000
LOI: N/R
Deadline: June 10, 2011; June 11, 2012
Key Words: Cancer, Clinical Trial Researchers, Training

Strategic Partnering to Evaluate Cancer Signatures [SPECS II] (U01)
PAR-10-126
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI) of the National Institutes of Health (NIH), encourages the submission of grant applications for support of the clinical application of multi-analyte molecular signatures derived from comprehensive molecular annotation of tumors. There is growing recognition in the clinical cancer research community that annotation of tumor specimens with data that integrates information about molecular alterations at the levels of DNA, RNA, and protein provides not only a more complete understanding of tumor biology but also provides a significant opportunity for developing new clinical tools to
improve cancer treatment. Translating the knowledge gained from this molecular annotation into tools that can be used in clinical
decision-making remains a major challenge. The purpose of this initiative is to build on recent demonstrations that molecular signatures
correlate with important clinical parameters in cancer. The goal of this initiative is also to create publications and data sets that will be
available and accessible to the scientific community in order to further the development, design, and conduct of future clinical trials
(e.g., incorporation of molecular signatures into future clinical trials and large clinical validation studies) and to encourage appropriate
commercialization to benefit the public health. The NCI invites investigators to form strategic partnerships that will bring together the
multi-disciplinary expertise and resources needed to determine how the information derived from comprehensive molecular analyses
can be used to improve patient care and, ultimately, patient outcomes.

Amount: varies
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-126.html
Key Words: Molecular Signatures, Diagnostic Tools, Assessment

Exploratory Grant Award to Promote Workforce Diversity in Basic Cancer Research (R21)
PAR-09-162
National Cancer Institute (NCI)
This funding opportunity announcement (FOA), issued by the Center to Reduce Cancer Health Disparities (CRCHD) and the Division of
Cancer Biology (DCB), at the National Cancer Institute (NCI), invites applications from investigators from diverse populations with
interest in research projects focused on the basic biology of cancer. The NIH recognizes a unique and compelling need to promote
diversity in the basic biology of cancer research workforce. The purpose of this FOA is to improve the diversity of the research
workforce by supporting and recruiting eligible investigators from groups that have been shown to be underrepresented. This initiative
will also provide a bridge to investigators that have completed their training and may need extra time to develop a full RO1 proposal.
The NCI expects efforts to diversify the workforce to lead to the recruitment of the most talented researchers from all groups; to balance
and broaden the perspective in setting research priorities; and to increase basic cancer researchers from diverse backgrounds.
Amount: $275,000
LOI: October 23, 2010; May 23, 2011; October 23, 2011
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-162.html
Key Words: Cancer, Diversity Practitioners, Cancer Biology

Image-guided Drug Delivery in Cancer (R01)
PA-09-253
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages innovative translational
research in the development of quantitative in vivo imaging characterization of image-guided drug delivery (IGDD) in cancer, including
characterizations of the target, delivery validation, and therapy response. This FOA will support research in development of integrated
imaging-based platforms for multifunctional and multiplexed drug delivery systems in cancer. Validation studies in non-human primates
or large animal models and first in human studies directed towards translation of IGDD technology into the clinic will be considered
appropriate for this FOA.
Amount: $2,500,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-253.html
Key Words: IGDD, Image-Guided Drug Delivery, cancer

In vivo Cellular and Molecular Imaging Centers (ICMICs) (P50)
PAR-09-157
National Cancer Institute (NCI)
The Cancer Imaging Program, and the Division of Cancer Diagnosis and Treatment, at the National Cancer Institute (NCI), invites new
or renewal (competing) applications for P50 Research Center Grants for In vivo Cellular and Molecular Imaging Centers (ICMICs). The
program will fund the 5-year P50 ICMIC grants to support interdisciplinary scientific teams conducting cutting-edge cancer molecular
imaging research. ICMIC funding is designed to: (1) support innovative cancer molecular imaging research projects; (2) support unique
core facilities; (3) enable the awardees to initiate pilot research in new promising directions; and (4) provide interdisciplinary career
development opportunities for investigators new to the field of molecular cancer imaging.
Amount: $6,250,000
LOI: September 28, 2011
Deadline: October 28, 2011
Key Words: Cancer Center, Imaging
Development, Application, and Evaluation of Prediction Models for Cancer Risk and Prognosis (R01) and (R21)
PA-10-025 and PA-10-026
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages research applications from clinicians, epidemiologists, geneticists, statisticians, and translational researchers working in the field of cancer control and prevention to improve existing models for cancer risk and prognosis by developing innovative research projects that use existing data; develop new models for cancer risk and prognosis; and validate new models and evaluate their utility in research and clinic settings. To explore this opportunity, the NCI Division of Cancer Control and Population Sciences (DCCPS) and the Division of Cancer Treatment and Diagnosis (DCTD) encourage applications for research projects to develop, apply, and evaluate new and existing cancer risk and prognostic prediction models for use by researchers, clinicians, and the general public. This FOA is designed to provide a mechanism of support for investigators to address two major challenges in model development, which are: integrating diverse types of data (e.g., clinical, demographic, pathologic, environmental, epidemiologic, outcomes, and genetic data from varied data marts or warehouses); and ensuring adequate validation (i.e., using multiple separate populations to define sensitivity, specificity, and positive and negative predictive values).
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Cancer control, Population Science

Established Investigator Award in Cancer Prevention & Control (K05)
PAR-09-088
National Cancer Institute (NCI)
The NCI Established Investigator Award (K05) provides qualified cancer prevention, control, behavioral, and/or population scientists with protected time to devote to research and to mentoring new investigators.
Amount: salary support + $25,000/year
LOI: N/A
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/notice-files/PAR-09-088.html
Key Words: Molecular Epidemiology, Community and Social Variables of Cancer

NCI Transition Career Development Award to Promote Diversity (K22)
PAR-09-069
National Cancer Institute (NCI)
The purpose of the National Cancer Institute (NCI) Career Transition Award (K22) is to help ensure that a diverse pool of highly trained scientists are available in adequate numbers and in appropriate research areas to address the nation's biomedical, behavioral, and clinical research needs. The Diversity Training Branch (DTB), the Center to Reduce Cancer Health Disparities (CRCHD) (http://crchd.cancer.gov/), and the Office of the Director (OD) (http://www.nih.gov/icd/od/), invite applications from recipients of the NCI Mentored Career Development Award to Promote Diversity, or from advanced postdoctoral and/or newly independent research scientists representative of groups that are underrepresented in biomedical, behavioral, clinical, and/or social sciences. This award will provide "protected time" for recipients to develop and receive support for their initial cancer research program. In addition, this award can provide a two-year mentored experience in NCI intramural programs for interested individuals. The unique feature of this award is that the individuals may apply without a sponsoring institution while they are still in a mentored position.
Amount: $450,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/notice-files/PAR-09-069.html
Key Words: Cancer, Under-Represented Minorities

Exploratory Cancer Prevention Studies Involving Molecular Targets for Bioactive Food Components (R21)
PA-10-088
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), National Institutes of Health (NIH), encourages exploratory research on the role of nutrition in cancer prevention. Specifically, this FOA seeks to promote cancer prevention research to identify and characterize molecular targets for bioactive food components. For the purpose of this FOA, a bioactive food component is defined as a dietary constituent that has a health benefit by altering one or more cellular processes when provided in quantities over and beyond that needed for basic nutrition.
National Cancer Institute Program Project (P01) Applications
PAR-09-025
National Cancer Institute (NCI)
With this Funding Opportunity Announcement (FOA), the National Cancer Institute (NCI) invites applications for investigator-initiated program project (P01) grants. Proposed program projects may address any of the broad areas of cancer research, including (but not limited to) cancer biology, cancer treatment, cancer diagnosis, cancer prevention, and cancer control. Basic, translational, clinical, and/or population-based studies in all of these research areas are appropriate. Each Program Project application must consist of at least three component projects. The component projects must share a common central theme, focus, and/or overall objective.
Amount: varies
LOI: December 28, 2010; April 30, 2011; August 28, 2011
Deadline: January 28, 2011; May 27, 2011; September 28, 2011
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-025.html
Key Words: Cancer, Cancer Biology, Clinical Translational Research

Small Grants Program for Cancer Epidemiology (R03)
PAR-08-237
National Cancer Institute (NCI)
This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), encourages the submission of Small Research Grant (R03) applications for research on cancer etiology and epidemiology. The overarching goal of this FOA is to provide support for pilot projects, testing of new techniques, secondary analyses of existing data, development and validation of measurement methods, linkage of genetic polymorphisms with other variables related to cancer risk, and development of innovative projects for more comprehensive research in cancer etiology and epidemiology.
Amount: varies
LOI: N/R
Deadline: March 18, 2011; July 22, 2011; November 18, 2011
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-237.html
Key Words:

Innovative Emerging Molecular Analysis Technologies (SBIR R43/R44)
RFA-CA-10-013
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA) solicits grant applications from small business concerns (SBCs) proposing research towards commercial development of emerging molecular and/or cellular analytical technologies intended for cancer detection and/or characterization. The goal of this FOA is to facilitate the translation of innovative, cancer-relevant technologies into commercial products and/or services. The emphasis is on molecular analysis technologies to improve cancer prevention, detection and diagnosis, surveillance, epidemiological research, and basic cancer research. These technologies may be intended for molecular and cellular analyses in vitro, in situ, and/or in vivo. There must be sound rationale pointing to the commercial potential of the technology to be developed.
Amount: $300,000
LOI: January 8, 2011
Deadline: February 8, 2011
Key Words:

Application and Early Stage Development of Emerging Technologies in Cancer Research (R21) and (R33)
RFA-CA-10-003 and RFA-CA-10-004
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), National Institutes of Health (NIH), solicits grant applications that propose exploratory research projects on the initial application of emerging analytical technologies as laboratory or clinical tools. An “emerging technology” is defined as one that has passed the initial developmental stage, but has not yet been evaluated within the context of its intended use. Projects proposed in response to this FOA should have the potential to produce a major impact in a broad area of cancer-relevant research. If successful, these technologies would accelerate research in cancer biology, cancer treatment and diagnosis, cancer prevention, cancer control and epidemiology, and/or cancer health disparities. This
FOA solicits R21 applications that have high potential impact and allows for an element of technical risk; preliminary data are not required. All projects must include quantitative milestones (i.e. technical metrics that determine whether the specific aims have been accomplished). Projects proposing to use established technologies where the novelty resides in the biological or clinical question being pursued are not appropriate for this solicitation and will be returned as non-responsive. This funding opportunity is part of a broader NCI-sponsored Innovative Molecular Analysis Technologies (IMAT) Program.

Amount: $275,000
LOI: August 30, 2011
Deadline: September 30, 2011

**Key Words:** Biospecimens, Tumor

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**Epigenetic Approaches in Cancer Epidemiology (R01) and (R21)**

**PA-10-031 and PA-10-032**

**National Cancer Institute (NCI)**

This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages research applications that propose to evaluate profiles of methylation, histone modifications and micro RNA (miRNA) and their association with risk of developing cancer in different populations. The overarching goal of this FOA is to provide support for population based studies to define the role of epigenetic markers (methylation, histone and micro RNA profiles) changes to understand cancer etiology.

Amount: varies

LOI: N/R

Deadline: Standard dates apply


**Key Words:** Methylation, Micro RNA, miRNA, Histone

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**Collaborative Research in Integrative Cancer Biology and the Tumor Microenvironment (U01)**

**PAR-09-026**

**National Cancer Institute (NCI)**

With this Funding Opportunity Announcement (FOA), the National Cancer Institute (NCI) encourages new collaborative projects between investigators associated with the Integrative Cancer Biology Program (ICBP) or Tumor Microenvironment Network (TMEN) and researchers who are not involved with the program with which they propose to collaborate. This FOA is designed to facilitate new projects in integrative cancer biology and/or tumor microenvironment research and to extend current research conducted in the ICBP and TMEN programs through collaborations with a broader research community. Research projects proposed in response to this FOA should be collaborative and aligned with the missions of the ICBP or TMEN programs. In addition to proposing new research, these projects should leverage the resources and expertise currently available within the ICBP and TMEN communities, in order to extend and enhance the programs with new ideas, methods, expertise, and resources.

Amount: varies

LOI: January 18, 2011; September 19, 2011

Deadline: February 18, 2011; October 19, 2011


**Key Words:** Cancer, Tumor Microenvironment

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**Exploratory/Developmental Grants Program for Basic Cancer Research in Cancer Health Disparities (R21) and (U01)**

**PAR-09-160 and PAR-09-161**

**National Cancer Institute (NCI)**

Through this Funding Opportunity Announcement (FOA), the Center to Reduce Cancer Health Disparities (CRCHD) and the Division of Cancer Biology (DCB), at the National Cancer Institute (NCI), invite grant applications from investigators interested in conducting basic research studies into the causes and mechanisms of cancer health disparities. These awards will support pilot and feasibility studies, development and testing of new methodologies, secondary data analyses, and innovative mechanistic studies that investigate biological/genetic bases of cancer health disparities. This FOA is also designed to aid and facilitate the growth of a nationwide cohort of scientists with a high level of basic research expertise in cancer health disparities research and to provide resources for those investigators that may need additional support on their path to successfully compete for R01/R01* funding in basic research in understanding cancer health disparities.

Amount: $275,000

LOI: N/R

Deadline: June 23, 2011; November 23, 2011


**Key Words:** Cancer, Disparities, Epidemiology
Mitochondria in Cancer Epidemiology, Detection, Diagnosis and Prognosis (R01) [PA-08-143] and (R21) [PA-08-144]
PA-08-143 and PA-08-144
National Cancer Institute
This funding opportunity announcement (FOA) encourages Research Project Grant (R01) applications that propose to develop and validate new mitochondrial-related biomarkers for cancer early detection, diagnosis, prognosis, risk assessment, and response to preventive and ameliorative treatments.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Mitochondria, Cancer, Early detection, Diagnosis, Prognosis, Risk assessment, Prevention, Amelioration.

Diet-Induced Changes in Inflammation as Determinants of Colon Cancer
[[R01] PA-08-210]
[[R21] PA-08-211]
PA-08-210 and PA-08-211
National Cancer Institute
This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), encourages the submission of grant applications that describe research projects focused on the identification and characterization of diet-induced changes in inflammation linked to colon cancer risk. This FOA is designed to stimulate research efforts that will lead to the identification and characterization of: a) diet-induced changes in anti- and pro-inflammatory mediators that modulate colon cancer risk; b) genetic polymorphisms that modify the responses to specific bioactive food components with regard to colon cancer inhibition; and c) the physiological effectiveness of dietary components in terms of concentration, activity, duration of exposure, degrees of stability, chemical forms, and receptor-binding affinity in inflammatory colonocytes. This FOA will not support applications that propose epidemiological studies based on diet-related risks of colon cancer.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Colon Cancer, Nutrition

Pilot studies in Pancreatic Cancer
[[R21] PA-08-208] and [[R03] PA-08-209]
PA-08-208 and PA-08-209
National Cancer Institute
This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI) of the National Institutes of Health (NIH), solicits the submission of Research Project Grant (R21) applications from institutions and organizations that propose to promote innovative research across multiple disciplines for a better understanding of the biology, etiology, detection, prevention, and treatment of pancreatic cancer.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
Key Words: Pancreatic Cancer

Marsha Rivkin Center 2011 Grants
Marsha Rivkin Center for Ovarian Cancer Research
The Marsha Rivkin Center for Ovarian Cancer Research is delighted to once again make Pilot Study Awards and Scientific Scholar Awards available, with funding to start April 2011.

Pilot Study Awards help pave the way for new avenues of ovarian cancer research and to expand our understanding of the disease. Scientific Scholar Awards open doors to new investigators entering ovarian cancer research. Pilot Study Awards will be funded at $75,000 for one year while Scientific Scholar Awards will be funded at $60,000 for one year.
Amount: up to $75,000
LOI: N/R
Grant for Research into the Cause, Prevention and Treatment of Cancer
Charlotte Geyer Foundation
The Charlotte Geyer Foundation provides interim funding up to $100,000 to researchers who have submitted an original R01 or R21 proposal to the National Cancer Institute and have not received a fundable score.
**Amount:** $100,000  
**LOI:** N/R  
**Deadline:** July 15, Nov. 15, March 15  
**To learn more:** [http://www.charlottegeyer.org/](http://www.charlottegeyer.org/)  
**Key Words:** Cancer

The ASCO Cancer Foundation Improving Cancer Care Grant
ASCO Cancer Foundation  
Susan G Komen for the Cure Foundation  
The ASCO Cancer Foundation supports educational programs of the highest quality in cancer care and prevention, facilitates the dissemination of information about cancer and cancer treatment to patients and their families, and, through its grants program, supports, encourages, and recognizes excellence in clinical research in the field of oncology. The ASCO Cancer Foundation Improving Cancer Care Grant, funded by Susan G. Komen for the Cure as part of the Susan G. Komen for the Cure/ASCO Cancer Foundation Research Initiative, will provide extramural research funding to address important issues regarding access to healthcare, quality of care, and delivery of care, with general applicability to breast cancer. The goal of this program is to encourage multi-disciplinary research that will have a major impact on cancer care. Proposals must be focused on developing solutions to current problems, not just describing disparities in care that currently exist. Research teams that have previously laid the groundwork in these areas by describing existing problems are particularly encouraged to submit proposals to implement and study potential solutions. Project proposals are not required to focus on breast cancer, but the study findings must have general applicability to breast cancer care.

**Amount:** $1,350,000  
**LOI:** September 1, 2010  
**Deadline:** December 21, 2010  
**To learn more:** [http://www.ascocancerfoundation.org/TACF/Grants/Grant+Opportunities/Improving+Cancer+Care+Grant](http://www.ascocancerfoundation.org/TACF/Grants/Grant+Opportunities/Improving+Cancer+Care+Grant)  
**Key Words:**

Mentored Research Scholar Grant in Applied and Clinical Research
ACS  
Support mentored research by full-time faculty, typically within the first four years of their appointment, with the goal of becoming independent investigators in clinical, cancer control and prevention, epidemiologic, psychosocial, behavioral, health services and health policy research.

**Amount:** up to five years and for up to $135,000 per year  
**LOI:** N/R  
**Deadline:** April 1 and October 15; annually  
**To learn more:** [http://www.cancer.org/docroot/RES/content/RES_5_2x_Mentored_Research_Scholar_Grant_in_Applied_and_Clinical_Research.asp?sitearea=RES](http://www.cancer.org/docroot/RES/content/RES_5_2x_Mentored_Research_Scholar_Grant_in_Applied_and_Clinical_Research.asp?sitearea=RES)  
**Key Words:**

Physician Training Awards in Preventive Medicine
ACS  
This award is made to support primary care physicians with a rank of instructor to assistant professor who are pursuing an academic career with an emphasis on cancer control.

**Amount:** $300,000  
**LOI:** N/R  
**Deadline:** April 1, annually  
**To learn more:** [http://www.cancer.org/docroot/RES/content/RES_5_2x_Physician_Training_Awards_in_Preventive_Medicine.asp?sitearea=RES](http://www.cancer.org/docroot/RES/content/RES_5_2x_Physician_Training_Awards_in_Preventive_Medicine.asp?sitearea=RES)  
**Key Words:**
Postdoctoral Fellowship

ACS

This award is to support the training of researchers who have just received their doctorate to enable them to qualify for an independent career in cancer research (including basic, preclinical, clinical, psychosocial, behavioral, and epidemiologic research).

**Amount:** one to three years with progressive stipends of $40,000, $42,000, and $44,000 per year, plus a $4,000 per year institutional allowance

**LOI:** N/R

**Deadline:** April 1 and October 15; annually

To learn more: [http://www.cancer.org/docroot/RES/content/RES_5_2x_Postdoctoral_Fellowships.asp?sitearea=RES](http://www.cancer.org/docroot/RES/content/RES_5_2x_Postdoctoral_Fellowships.asp?sitearea=RES)

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Complementary & Alternative Medicine (CAM)

Translational Tools for Clinical Studies of Mind/Body and Manual Therapy CAM Interventions (R01)

**New**

**RFA-AT-11-003**

National Center for Complementary and Alternative Medicine (NCCAM)

This FOA focuses on encouraging the development of improved research methodology to study safety, efficacy, and clinical effectiveness of mind-body interventions (such as meditation), manual therapies (such as spinal manipulation or massage), and/or yoga therapy. Investigations of other CAM interventions (including natural products, dietary supplements, acupuncture or traditional Chinese medicine) are not allowed for this FOA.

**Amount:** $1,500,000

**LOI:** March 29, 2011

**Deadline:** April 29, 2011


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Competitive Grants Initiative

**New**

Global Gateway Foundation

The Foundation is currently soliciting brief descriptions (“pre-proposals”) of proposed projects. Applicants whose pre-proposals meet the “Applicant Guidelines” set out below and pass the Foundation’s initial review process will be invited to submit full proposals. The Foundation’s primary area of interest is in new technologies emerging in the field of health and healing, and in particular:

- Current and emerging “subtle energy” technologies that support greater physical, mental and spiritual integration
- Application of new discoveries in the “hard sciences” (physics, mathematics, electronics, engineering, network modeling, biophysics, and materials science) to healing modalities
- The underlying dynamics of energy-based health and wellness disciplines such as Network Spinal Analysis Care, Somato Respiratory Integration, traditional chiropractic care, acupuncture, Ayurvedic medicine, homeopathy, and similar approaches
- How these dynamics may lead to new understandings and/or directions for basic research in (a) the hard sciences, and (b) the social sciences, such as organizational development, increased understanding of the integral and core nature of individuals, and reorganizational strategies that support greater personal and social integration and harmony
- Methods for evaluating the impacts and outcomes of these new understandings when applied to health and wellness, industrial applications, and society

**Amount:** up to $10,000

**LOI:** December 13, 2010

**Deadline:**

To learn more: [http://www.globalgatewayfoundation.org/](http://www.globalgatewayfoundation.org/)

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Alzheimer's Disease Pilot Clinical Trials (R01)
PAR-08-062
NIH
This Funding Opportunity Announcement (FOA) issued by the National Institute on Aging (NIA), the National Center for Complementary and Alternative Medicine (NCCAM), and the National Institute of Nursing research (NINR), National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/organizations that propose to initiate pilot clinical trials for treatment or prevention of MCI, AD, and/or age-related cognitive decline.
Amount: up to $450,000 per year for 3 years
LOI: N/R
Deadline: multiple, see link
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-062.html
Key Words:

Collaborative R34s for Pilot Studies of Innovative Treatments in Mental Disorders (Collaborative R34)
PA-09-075
National Institute of Mental Health (NIMH)
National Center for Complementary and Alternative Medicine
This Funding Opportunity Announcement (FOA), issued by the National Institute of Mental Health (NIMH) and the National Center for Complementary and Alternative Medicine (NCCAM), seeks to support collaborative preliminary intervention studies to evaluate the feasibility, tolerability, acceptability and safety of novel mechanism drug candidates, promising investigational new drugs (INDs), or novel psychosocial strategies for the treatment of mental disorders and for obtaining the preliminary data needed as a pre-requisite to larger-scale (efficacy or effectiveness) intervention or services studies. This FOA should be used when at least two but no more than three sites are needed to complete the study. The collaborating studies should be organized in order to increase sample size, accelerate recruitment, and/or increase sample diversity and representation. For a linked set of collaborative R34s, each site shall have its own Project Director/Principal Investigator and provide for a mechanism for cross-site coordination, quality control, database management, statistical analysis, and reporting.
Amount: $450,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-075.html
Key Words: Mental Disorders, Drug Therapy

Short Courses on Mathematical, Statistical, and Computational Tools for Studying Biological Systems (R25)
PA-09-002
National Institute of General Medical Sciences (NIGMS)
National Center for Complementary and Alternative Medicine (NCCAM)
National Institute on Aging (NIA)
National Institute of Mental Health
This FOA issued by the National Institute of General Medical Sciences, the National Center for Complementary and Alternative Medicine, the National Institute on Aging and the National Institute of Mental Health encourages applications for Research Education Grants (R25) from institutions and organizations to conduct workshops and short courses to improve integration of mathematical, statistical, and computational approaches into biological and/or behavioral research. Support will be limited to activities that reach a wide audience of researchers. The program announcement is NOT intended for university course or curriculum development.
Amount: $1,000,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-002.html
Key Words: Statistical Analysis, Behavioral Research, Computational Analysis

Mechanistic Research on CAM Natural Products (R01)
RFA-AT-11-001
National Center for Complementary and Alternative Medicine (NCCAM)
National Cancer Institute (NCI)
Office of Dietary Supplements (ODS/NIH)
This FOA issued by the National Center for Complementary and Alternative Medicine (NCCAM) in collaboration with the Office of Dietary Supplements (ODS), at the National Institutes of Health, invites Research Project Grant (R01) applications to study the potential mechanisms of action of promising CAM natural products (NPs). Natural products are widely used by Americans for health purposes. Knowledge about the active components, their molecular and cellular targets, as well as markers of potential beneficial or harmful biological effects are critical pieces of preliminary information needed to insure maximally informative clinical efficacy studies on these.
Research on the development of improved methodology for the isolation and characterization of constituents of natural products and on their determination in the natural matrix will also be supported under this initiative.

**Amount:** $1,500,000  
**Deadline:** December 1, 2010, March 1, 2011, November 1, 2011, March 1, 2012, November 1, 2012  

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### Biology of Manual Therapies (R01) and (R21)

**PA-10-209 and PA-10-210**

**National Center for Complementary and Alternative Medicine (NCCAM)**

This FOA issued by National Center for Complementary and Alternative Medicine (NCCAM) and the National Cancer Institute (NCI), at the National Institutes of Health (NIH), encourages research grant applications (R01) from institutions/organizations that propose to investigate the basic science and mechanisms of action underlying the biomechanical, immunological, endocrinological and/or neurophysiological consequences of manual therapies, such as spinal manipulation, mobilization and massage therapy.

**Amount:** varies  
**LOI:** N/R  
**Deadline:** Standard dates apply  

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### Preliminary Clinical Studies in Preparation for Large Interventions of Complementary and Alternative Medicine (CAM) Therapies (R34)

**PAR-10-163**

**National Center for Complementary and Alternative Medicine (NCCAM)**

The goal of this FOA, issued by the National Center for Complementary and Alternative Medicine, is to support early phase clinical research and development on high priority CAM interventions. This mechanism is intended to support the development of methodology and the preliminary data needed for planning and design of subsequent, larger randomized clinical trials, cluster randomized trials or cohort studies. This mechanism is not appropriate for support of randomized clinical trials to test or determine efficacy. It is appropriate for development of preliminary studies that will contribute to the design of either efficacy or real-world effectiveness studies.

**Amount:** $450,000  
**LOI:** N/R  
**Deadline:** Standard dates apply  

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### Developmental Projects in Complementary Approaches to Cancer Care and Treatment (R21) and (R03)

**PA-09-167 and PA-09-168**

**National Cancer Institute (NCI)**

This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), and the National Institute of Nursing Research (NINR), invites applications for basic, pre-clinical, and clinical complementary cancer research. The research should relate to the areas of prevention, diagnosis, and treatment of cancer as well as management of cancer symptoms and side effects due to conventional cancer treatment. In addition, this FOA encourages the development and application of emerging and innovative technologies, including identification of novel therapeutics in the pharmacopoeia of Traditional Medical Systems (as defined by the World Health Organization), use of complementary approaches to improve the therapeutic ratio of standard and investigational anti-cancer therapies, and research on lifestyle modifications (e.g. diet, exercise, mind-body approaches) for their impact on cancer outcomes (e.g., response to conventional cancer therapy, survival). The overarching goals of this FOA is to encourage investigators to submit high quality, preliminary research of humans that will advance the science of Complementary and Alternative Medicine (CAM) and provide a solid foundation and justification for future research project (R01) grant applications to definitively determine the efficacy of CAM approaches.

**Amount:** $275,000  
**LOI:** N/R  
**Deadline:** Standard dates apply  

**Key Words:** CAM Interventions, Alternative Medicine
**Cytomics**

**Stress Pathways in Alcohol Induced Organ Injury and Protection (R01) and (R21)**

PA-10-093 and PA-10-094  
National Institute on Alcohol Abuse and Alcoholism (NIAAA)  
This Funding Opportunity Announcement (FOA) issued by the National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, encourages Research Project Grant (R01) applications that propose studying the role of cellular stress responses, the cytoplasmic classical stress response or heat shock response (HSR) and the endoplasmic reticulum (ER) stress, in alcohol-induced tissue injury and tissue protection. While excessive alcohol use causes organ damage, moderate alcohol consumption may be beneficial. The underlying molecular mechanisms for this apparent dichotomy of alcohol’s harmful and salutary effects are currently not fully understood. Alcohol induces cellular stress pathways in the cytoplasm and in the endoplasmic reticulum that may significantly be involved in alcohol-induced tissue injury or mediate tissue protection depending on the quantity, frequency, duration, and temporal pattern of drinking. Hence, studies of the effects of alcohol on cellular stress pathways are critical to understand the mechanisms of alcohol-induced injuries or protection to develop new strategies for prevention, diagnosis and treatment. The purpose of this FOA is to: (1) acquire insight into how acute or chronic alcohol consumption affects cellular stress pathways and in turn, how these changes contribute to alcohol-induced injury/protection; (2) investigate how alcohol induced stress responses mediate cell survival and death signaling pathways at macromolecular, organelle, cellular and organism level contributing to alcohol-induced tissue injury/protection; (3) develop potential stress related biomarkers for prognosis, diagnosis of tissue injury/protection, furthermore identify new targets for their therapeutic interventions. Utilizing innovative experimental design and emerging technologies, such as deep sequencing, genomics, proteomics, metabolomics, bioinformatics, and novel imaging techniques these investigations are expected to provide a more comprehensive understanding of how alcohol affects the evolutionally conserved stress pathways and elucidate their roles in tissue injuries and repair.  
**Amount:** varies  
**LOI:** N/R  
**Deadline:** Standard dates apply  
**Key Words:** Alcohol-Induced Tissue Injury

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**The Role of Cellular Organelles in Alcohol-Induced Tissue Injury (R01) and (R21)**

PA-10-085 and PA-10-086  
National Institute on Alcohol Abuse and Alcoholism (NIAAA)  
This Funding Opportunity Announcement (FOA) issued by the National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, encourages Research Project Grant (R01) applications that propose to study biological processes involving the cellular organelles in alcohol-induced tissue injury. Excessive alcohol consumption can damage many organ systems including the liver, heart, pancreas, brain, and lung. However, the mechanisms for these injuries are currently not fully understood. Cellular organelles play an important role in cellular functions and are significantly involved in alcohol-induced tissue injury. Thus, studies of alcohol’s effects on the structure and function of cellular organelles are critical to better understand the mechanisms of alcohol-induced injuries and to develop new strategies for their diagnosis and treatment. The purpose of this FOA is to: (1) better understand how acute or chronic alcohol consumption affects the structure and function of cellular organelles, and in turn, how these changes contribute to alcohol-induced injury; (2) investigate how variations of proteins in cellular organelles, or their regulation and function, including cellular signaling pathways, contribute to an individual’s response to acute or chronic alcohol intake and alcohol-induced tissue injury; (3) develop potential biomarkers for prognosis and diagnosis of tissue injury, or identify new targets for therapeutic interventions. This FOA aims to foster the utilization of innovative experimental design and emerging technologies, such as genomics, proteomics, metabolomics, bioinformatics, as well as novel microscopic imaging techniques that illuminate functions in intact cells and tissues, to generate new mechanistic and clinical insights into alcohol-induced tissue injuries.  
**Amount:** varies  
**LOI:** N/R  
**Deadline:** Standard dates apply  
**Key Words:** Alcohol-Induced Tissue Injury

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**Metals in Medicine (R01)**

PA-08-251  
National Institute of General Medical Sciences  
National Cancer Institute
The objective of this Funding Opportunity Announcement (FOA), issued by the National Institute of General Medical Sciences (NIGMS), National Cancer Institute (NCI), National Institute of Environmental Health Sciences (NIEHS), and the Office of Dietary Supplements (ODS), National Institutes of Health is to encourage research that bridges the areas of inorganic chemistry and medicine. The mechanisms by which organisms control transition metal ions and the roles of these metals in cellular regulation and signaling in health and disease are of principal interest. The interactions of synthetic inorganic complexes with living systems and their components are an additional area of interest. These areas are linked by the need to involve researchers having a deep understanding of inorganic chemistry in medically relevant research. Much of the work is expected to involve collaborations including chemists, biologists, and medical researchers. The results will be relevant to understanding the mechanisms of metal handling by biological systems and the basic cellular roles underlying the nutritional requirement for essential metals. It is expected that this research will also contribute to the identification of new targets for drug discovery, diagnostics, and future therapeutic approaches involving metal complexes, although drug development, per se, is not a focus of the program.

Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-251.html
Key Words: Metals, Nutrition, Inorganic Chemistry

Program Projects for Collaborative Research on the Basic Biology of Pluripotency and Reprogramming (P01)
RFA-GM-11-005
National Institute of General Medical Sciences (NIGMS)
National Institute of Biomedical Imaging and Biengineering
The purpose of this initiative is to advance the fundamental understanding of the basis of pluripotency and the molecular events and mechanisms of reprogramming, including the epigenetics and epigenomics of the pluripotent and reprogrammed states. Studies should be focused on human induced pluripotent stem cells (iPSC). Comparative studies with human stem cells and/or non-human mammalian ESC, iPSC and embryo models may be included.

Amount: $7,000,000
LOI: November 1, 2010
Deadline: December 1, 2010
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-GM-11-005.html
Key Words:

Computational Tool Development and Integrative Data Analysis for LINCS (U01)
RFA-RM-10-005
National Human Genome Research Institute (NHGRI)
National Heart Lung and Blood Institute (NHLBI)
This FOA encourages grant applications that would develop innovative computational tools and approaches for the integrative analysis of multiple types of data generated within the Library of Integrated Network-based Cellular Signatures (LINCS) program.

Amount: $500,000
LOI: January 22, 2011
Deadline: February 22, 2011
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-10-005.html
Key Words:

Directed Stem Cell Differentiation for Cell-Based Therapies for Heart, Lung, and Blood Diseases (R21)
PA-09-248
National Heart, Lung, and Blood Institute (NHLBI)
This funding opportunity announcement (FOA) encourages Exploratory/Developmental (R21) grant applications from applicant organizations that propose to define the factors and mechanisms controlling the differentiation of embryonic or adult stem or progenitor cells, either in vitro or in vivo. It is designed to stimulate new scientific advances in stem cell differentiation including technology research that may not be hypothesis driven. The long range goal of this program is the development of methods to direct the differentiation or development of stem cells along specific cell lineages to yield replacement cells for clinical use, whether the replacement cells are formed in vitro for delivery or formed in vivo in the tissue or organ environment.

Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-248.html
Key Words: Progenitor Cells, Stem Cell Differentiation
Advanced Technologies for Detection of Perturbation-Induced Cellular Signatures (U01)
RFA-RM-10-004
National Cancer Institute (NCI)
This FOA encourages grant applications that propose to develop or substantially adapt technologies and methodologies designed to significantly improve the functionality, quality, scope, and/or throughput of perturbation-induced cellular signature data generation. The technologies generated through this FOA are anticipated to accelerate the rate of data generation and the range of signatures that can be identified and characterized by large scale high-throughput perturbation-induced signature collection efforts like The Library of Integrated Network-Based Cellular Signatures (LINCS).
Amount: $1,000,000
LOI: January 22, 2011
Deadline: February 22, 2011
Key Words:

Identifying Non-coding RNA Targets for Cancer Early Detection and Prevention (R21) and (R01)
PA-09-200 and PA-09-199
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages research grant applications from institutions/organizations on the discovery and characterization of non-coding (nc) RNAs in preneoplasias and early stage cancers to: 1) improve early cancer detection, intervention, and prevention; 2) predict risk of progression from preneoplasia to cancer, and 3) distinguish benign lesions from precancerous lesions.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: non-coding RNA, Cancer Detection, Biomarkers

Biomarkers for Early Detection of Hematopoietic Malignancies (R01) and (R21)
PA-09-197 and PA-09-198
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages research grant applications from institutions/organizations for the development and validation of biomarkers for: a) early detection, prediction of progression, and recurrence of hematopoietic malignancies, especially in high-risk individuals; and, b) for risk assessment of primary and secondary hematopoietic malignancies. This FOA is also encourages the development and improvement of specific technologies and methods for quantitative detection of novel biomarkers associated with hematopoietic malignancies.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Hematopoietic Cancers, Biomarkers

Biophysical and Biomechanical Aspects of Embryonic Development (R21) and (R01)
PAR-10-222 and PAR-10-221
Eunice Kennedy Shriver National Institute of Child Health and Human Development
National Institute of Biomedical Imaging and Bioengineering (NIBIB)
National Heart, Lung, and Blood Institute (NHLBI)
This Funding Opportunity Announcement (FOA) issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development, National Institute of Biomedical Imaging and Bioengineering (NIBIB) (http://www.nibib.nih.gov), and National Heart, Lung, and Blood Institute (NHLBI), (http://www.nhlbi.nih.gov), is intended to encourage innovative and high risk/impact research in the area of physics/mechanics of embryonic development to be explored in model organisms. The research proposed under this program can explore approaches and concepts new to the area of developmental tissue mechanics; research and development of new technologies; or initial research and development of data upon which significant future research may be built. The focus of this FOA is to promote research aimed at generating new and critical information about tissue mechanics relevant to vertebrate development and understanding the basis for developmental disorders. While minimal or no preliminary data are expected to be described, applications should clearly indicate the significance of the proposed work and that the proposed research and/or development is scientifically sound, that the qualifications of the investigators are appropriate, and that resources available to the investigators are adequate.
Amount: varies with award
LOI: August 20, 2011, August 20 2012
Key Words:

**Diabetes, Endocrine and Metabolism**

**Alcohol-Induced Metabolic and Hepatic Injury (AIMHI)**

**New**
RFA-AA-11-002  
National Institute on Alcohol Abuse and Alcoholism (NIAAA)  
The major goal of this research initiative is to encourage innovative studies that explore the pathophysiological changes associated with various stages of alcoholic liver disease (ALD) with an emphasis on the mechanisms underlying the increased susceptibility to chronic and end-stage liver disease. Specifically, applications are sought that focus on identification of the key cellular and molecular events responsible for the progression of alcohol-induced fatty liver to fibrosis and cirrhosis in patients with ALD alone or in combination with obesity, diabetes or Hepatitis C infection. It is anticipated that this RFA will generate data that may lead to identification of at-risk patients in order to enable clinicians to evaluate and treat them at an early stage, avoiding advanced fibrosis and cirrhosis, and thus improve related disease outcomes, including diabetes, vascular disorders, and hepatic encephalopathy.

Amount: $1,500,000  
LOI: November 10, 2010  
Deadline: December 10, 2010
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-222.html

**NIDDK Program Project Applications (P01)**

**New**
PAR-11-043  
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)  
This Funding Opportunity Announcement (FOA) issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) invites submission of investigator-initiated Program Project Applications. The proposed programs should address scientific areas relevant to the NIDDK mission including diabetes, endocrine and metabolic diseases, digestive diseases and nutrition, and kidney, urologic and hematologic diseases, as well as new approaches to prevent, treat and cure these diseases, including clinical research.

Amount: $6,250,000  
LOI: N/R  
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-11-043.html

**NIH COBRE Project Pre-proposals**

University of Nebraska-Lincoln  
Pre-proposals are being accepted for individual research projects to be included as part of an application to establish a Center of Biomedical Research Excellence in Integrative Nutrition and Metabolic Processes. A team of UNL and UNMC faculty are developing the COBRE proposal, which will be submitted to NIH in early 2011. Information on the center’s thematic focus and pre-proposal application process is available in the RFP.

Amount:  
LOI: August 31, 2010  
Deadline: December 15, 2010 invited proposals
To learn more: http://research.unl.edu/docs/UNLCOBRECarterProposals7-13-10.pdf

Key Words: Acquired Metabolic Diseases, Inflammatory Diseases, Asthma, Heart Disease, Stroke, Diabetes

**Role of Adipose Tissue as an Endocrine Organ in Reproduction and Infertility (R01) [PA-08-059] and (R21) [PA-08-060]**

PA-08-059 and PA-08-060  
NIH  
This Funding Opportunity Announcement (FOA) issued by the National Institute of Child Health and Human Development, National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/organizations that propose to better
understand the role of adipose tissue in the normal physiological regulation of reproduction, to discern its possible role in the etiology of diseases and disorders that impact human fertility, and to probe its potential importance in different racial/ethnic prevalence rates of certain reproductive disorders.

Amount: varies  
LOI: N/R  
Deadline: multiple, see link


Key Words:

Angiogenesis in the Nervous System in Health and Disease (R01) [PA-08-015] and (R21) [PA-08-016]

PA-08-015 and PA-08-016  
NIH  
This Funding Opportunity Announcement (FOA) is a program announcement (PA) issued by the National Institute of Neurological Disorders and Stroke (NINDS), the National Eye Institute (NEI), the National Institute on Aging (NIA), the National Cancer Institute (NCI), and the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institutes of Health (NIH). The aim of this FOA is to invite applications to study angiogenesis in the nervous system. Specific areas of research this FOA seeks to encourage include study of the mechanisms controlling angiogenic responses to physiological and pathological stimuli, the development and patterning of nervous system vasculature, and the etiology of disorders affecting development and/or ongoing angiogenesis in nervous system vasculature.

Amount: unspecified  
LOI: N/R  
Deadline: Multiple dates, see announcement


Key Words:

The Role of Gastrointestinal Surgical Procedures in Amelioration of Obesity-Related Insulin, Resistance and Diabetes Independent of Weight Loss (R01)

PA-08-014  
NIDDKD  
This Funding Opportunity Announcement (FOA) issued by the National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health encourages Research Project Grant (R01) applications from Institutions/organizations that propose to explain the underlying mechanism(s) by which various gastrointestinal surgical procedures ameliorate obesity-related insulin resistance and diabetes independent of the resultant weight loss.

Amount: unspecified  
LOI: N/R  
Deadline: Multiple dates, see announcement.

To learn more: [http://grants.nih.gov/grants/guide/pa-files/PA-08-014.html](http://grants.nih.gov/grants/guide/pa-files/PA-08-014.html)

Key Words:

NIDDK Central Repositories Non-renewable Sample Access (X01)

PAR-10-090  
NIDDK Central Repositories Non-renewable Sample Access (X01)  
The NIDDK Central Repositories house valuable samples and data from numerous major clinical studies. This FOA allows investigators to apply for access to non-renewable samples from one or more of these studies. Information about the samples available can be found at https://www.niddkrepository.org. Applicants must provide information from the NIDDK Central Repositories documenting sample availability. A separate solicitation will specifically request applications for samples from the DPT-1, EDIC, and DPP; samples from these studies cannot be requested via this FOA until November 1, 2010.

Amount: There are no dollars associated with these requests  
LOI: N/R  
Deadline: March 1, 2011, and July 1, 2011


Key Words: Clinical Samples, Diabetes, Kidney Disease

Renal Function and Chronic Kidney Disease in Aging (R01) and (R21)

PA-09-165 and PA-09-166  
National Institute on Aging (NIA)  
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
This Funding Opportunity Announcement (FOA) issued by the National Institute on Aging (NIA) and the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institutes of Health, invites applications that propose basic, clinical, and translational research on chronic kidney disease (CKD) and its consequences in aging and in older persons. Applications should focus on the 1) biology and pathophysiology of CKD in animal models; 2) etiology and pathophysiology of CKD in the elderly; 3) epidemiology and risk factors for the development of CKD with advancing age; and/or 4) diagnosis, medical management and clinical outcomes of CKD in this population. Research supported by this initiative should enhance knowledge of CKD and its consequences in the elderly and provide evidence-based guidance in the diagnosis, prevention, and treatment of CKD in older persons.

Amount: varies
LOI: N/R
Deadline: Standard dates apply

**Key Words**: Kidney Disease, Diabetes, Aging

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**Pilot and Feasibility Clinical Research Grants in Diabetes, Endocrine and Metabolic Diseases (R21)**

PA-09-133
National Institute of Diabetes and Digestive and Kidney Diseases

Office of Dietary Supplements

This FOA, issued by National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the Office of Dietary Supplements (ODS) of the National Institutes of Health, encourages exploratory/developmental clinical research related to the prevention or treatment of diabetes, obesity and endocrine and genetic metabolic diseases. The Pilot and Feasibility Clinical Research Grants Program is designed to allow initiation of exploratory, short-term clinical studies, so that new ideas may be investigated without stringent requirements for preliminary data. The short-term studies should focus on research questions that are likely to have high clinical impact. They can include testing a new prevention strategy, a new intervention, or unique combinations of therapies. A high priority is the use of such studies to help stimulate the translation of promising research developments from the laboratory into clinical practice in diabetes, endocrine diseases and genetic metabolic diseases, including cystic fibrosis.

Amount: $275,000
LOI: N/R
Deadline: Standard dates apply

**Key Words**: Diabetes, Cystic Fibrosis, Metabolic Disease

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**Adverse Metabolic Side Effects of Second Generation Psychotropic Medications Leading to Obesity and Increased Diabetes Risk (R01)**

PAR-08-160
National Institute of Diabetes and Digestive and Kidney Diseases
National Institute of Mental Health

This Funding Opportunity Announcement (FOA) invites investigator-initiated research grant applications for studies examining the adverse metabolic effects (i.e., obesity and diabetes) of psychotropic medications in animal models and across the human lifespan (including pediatric, adult and geriatric populations). Applications responsive to this FOA should focus on 1) increasing the understanding of the nature, rates, and pathophysiology of adverse metabolic effects of psychotropic medications, 2) elucidating biomedical and psychosocial risk factors for the development of metabolic adverse effects of psychiatric therapeutics, and 3) develop interventions to prevent and/or mitigate metabolic adverse effects across the lifespan.

Amount: up to $500,000 per year
LOI: A letter of intent is requested 30 days prior to application receipt date

**Key Words**: Neuropharmacology, Neuropsychopharmacology, Pathophysiology

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**Planning Grants for Translational Research for the Prevention and Control of Diabetes and Obesity (R34)**

PAR-09-177
National Institute of Diabetes and Digestive and Kidney Diseases
Eunice Kennedy Shriver National Institute of Child Health and Human Development
Office of Behavioral and Social Science Research

The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) and the Office of Behavioral and Social Sciences Research (OBSSR) encourage NIH Clinical Trial Planning Grant Program grant (R34) applications from institutions/organizations to develop and pilot test translational interventions for the prevention and control of diabetes and obesity that have a high potential to be adopted, and sustained in applied health care settings. Research must be based on widely accepted interventions previously demonstrated to be efficacious in clinical trials. Research must target the prevention or reversal of obesity, prevention of type 2 diabetes, improved care of type 1 and type 2
diabetes, or the prevention or delay of the complications of these conditions. The interventions proposed under this FOA should have the potential to be widely disseminated to clinical practice, individuals and communities at risk.

Amount: $2,500,000
LOI: N/R
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-176.html

Key Words: Obesity, Diabetes

Translational Research for the Prevention and Control of Diabetes and Obesity (R18)
PAR-09-176
National Institute of Diabetes and Digestive and Kidney Diseases
Eunice Kennedy Shriver National Institute of Child Health and Human Development
Office of Behavioral and Social Science Research
The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) and the Office of Behavioral and Social Sciences Research (OBSSR) encourage NIH Research Demonstration and Dissemination Project grant (R18) applications from institutions/organizations to test the effectiveness of interventions for the prevention and control of diabetes and obesity that have a high potential to be adopted, and sustained in applied health care settings. The approaches tested must be based on widely accepted interventions previously demonstrated to be efficacious in clinical trials. Research must target the prevention or reversal of obesity, prevention of type 2 diabetes, improved care of type 1 and type 2 diabetes, or the prevention or delay of the complications of these conditions. The interventions proposed under this FOA should have the potential to be widely disseminated to clinical practice, individuals and communities at risk.

Amount: $2,500,000
LOI: N/R
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-176.html

Key Words: Obesity, Diabetes

NIDDK Education Program Grants (R25)
PAR-10-092
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
Office of Dietary Supplements (ODS/NIH)
This funding opportunity announcement (FOA) encourages Research Education (R25) grant applications from applicant organizations that propose to create educational opportunities to attract undergraduate students, graduate students, and postdoctoral fellows to careers in areas of biomedical or behavioral research of particular interest to the NIDDK, while fostering the career development of these students and fellows. The NIDDK is especially interested in attracting students and postdoctoral fellows from scientific disciplines underrepresented in disease-oriented biomedical research, such as engineering, informatics, computer science, and computational sciences, to encourage them to apply their expertise to research relevant to diabetes and other endocrine and metabolic diseases; digestive and liver diseases; nutrition; obesity research and prevention; and kidney, urologic and hematologic diseases.

Amount: $500,000
LOI: N/R
Deadline: Standard dates apply for the remaining cycles
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-092.html

Key Words: Diabetes, Obesity, Nutrition, Informatics, Hematologic Diseases

NIDDK Small Grants for Clinical Scientists to Promote Diversity in Health-Related Research (R03)
PAR-09-223
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
Office of Dietary Supplements (ODS)
The purpose of this funding opportunity announcement (FOA) is to provide support for clinical scientists from underrepresented racial/ethnic backgrounds, disadvantaged backgrounds or clinical scientists with disabilities to conduct small research projects in the area of diabetes, endocrinology, metabolism, digestive diseases, hepatology, obesity, nutrition, kidney, urology, or hematology. The NIDDK and the ODS recognize the need to promote diversity in the health-related workforce by increasing the number of highly trained clinical researchers from diverse backgrounds conducting research in areas of importance to the NIDDK. This FOA is aimed at New Investigators (see Section III.1.B. for definition) who hold a health professional doctoral degree or other clinical doctoral degree AND who are from a group that have been shown to be underrepresented in biomedical research (see eligible PD/PI for full definition). The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. The R03 is intended to support small research projects that can be carried out in a short period of time with limited resources.

Amount: $375,000
LOI: 30 days prior to application date
Health Disparities in NIDDK Diseases (R01)
PA-09-262
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Institute of Nursing Research (NINR)
The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the National Institute of Nursing Research (NINR) of the National Institutes of Health (NIH) seek research to understand and mitigate issues of health disparities in high priority diseases within their scope, including diabetes, obesity, nutrition-related disorders, hepatitis C, gallbladder disease, H. Pylori infection, sickle cell disease, kidney diseases, urologic diseases, hematologic diseases, metabolic, gastrointestinal, hepatic, and renal complications from infection with HIV.NINR promotes and improves the health of individuals, families, communities, and populations, supports and conducts clinical and basic research and research training on health and illness across the lifespan.
Amount: varies
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-223.html
Key Words: Diabetes, Endocrinology, Digestive Diseases, Training Grants

Non-Invasive Methods for Diagnosis and Progression of Diabetes, Kidney, Urological, Hematological and Digestive Diseases and Hypertensive Disorders (R01)
PA-09-181
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Heart Lung and Blood Institute (NHLBI)
This Funding Opportunity Announcement (FOA) is a call for the application of imaging and other non- or minimally-invasive technologies to detect, characterize, diagnose, identify persons with predisposition to, or monitor treatment of diseases of interest to the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the National Heart Lung and Blood Institute (NHLBI) of the National Institutes of Health (NIH). Also needed are new, robust surrogate markers for clinical trial endpoints, and new ways to characterize normal and pathological tissues in vivo. Diseases of interest include type 1 and 2 diabetes; acute and chronic kidney disease, liver, urologic, hematologic, digestive, endocrine, and metabolic diseases and their complications; obesity; obesity-related hypertension, hypertension, renal and vascular disorders leading to hypertension. Applicable techniques include molecular imaging and functional imaging approaches, imaging methods with high spatial, chemical or time resolution, metabolomics, proteomics, genomics, or new spectroscopic or sensor array technologies for monitoring metabolic or physiological events.
Amount: varies
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-262.html
Key Words: Diabetes, Health Disparities, Nursing, Clinical and Basic Research

Pilot and Feasibility Clinical Research Grants in Kidney or Urologic Diseases (R21)
PAR-09-077
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
This FOA issued by the National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health, encourages Exploratory/Development Research Grants (R21) that propose small scale or pilot and feasibility clinical and translational research studies, including epidemiological studies or clinical trials related to kidney or urologic disease research that address important clinical and translational questions and are potentially of high clinical and public health impact. It is anticipated that some projects supported by these grants may lead to full-scale clinical studies including diagnostic strategies, epidemiological studies, or randomized clinical trials of diagnosis, prevention, or treatment of kidney or urologic diseases.
Amount: $500,000
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-077.html
Key Words: Kidney Disease, Urinary Disease

Ancillary Studies to Major Ongoing Clinical Research Studies to Advance Areas of Scientific Interest within the Mission of the NIDDK (R01)
PAR-09-247
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
This Funding Opportunity (FOA) encourages Research Project Grant (R01) applications from qualified investigators to conduct ancillary studies to major ongoing clinical research studies, including clinical trials, epidemiological studies and disease databases supported by the National Institute of Diabetes and Digestive and Kidney Diseases. Major studies include multi-center investigations, national databases and Phase 3 clinical trials. Examples of NIDDK-supported major clinical research studies eligible for ancillary studies may be found at http://www2.niddk.nih.gov/Research/ClinicalResearch/AncillaryStudies

Amount: $2,500,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-247.html
Key Words: Phase 3 Clinical Trials, Diabetes, Epidemiological Studies

Type 1 Diabetes Impact Award (DP3)
RFA-DK-10-012
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
This FOA issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institutes of Health, encourages Research Project Grant (DP3) applications from institutions/organizations proposing groundbreaking original research addressing fundamental questions or major obstacles in Type 1 Diabetes Research, including studies that challenge current dogma. Projects must clearly address a compelling unanswered question in Type 1 Diabetes research.

Amount: $5,000,000
LOI: February 11, 2011
Deadline: March 11, 2011
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-10-012.html
Key Words: Diabetes, Type 1 Diabetes, Impact Award

Collaborative Interdisciplinary Team Science in Diabetes, Endocrinology and Metabolic Diseases (R24)
PAR-08-182
National Institute of Diabetes and Digestive and Kidney Diseases
The purpose of the Collaborative Interdisciplinary Team Science Program described in this announcement is to provide support to enable strong investigative teams to do inter- and/or trans-disciplinary research on a complex problem in biomedical science relevant to Diabetes, Endocrinology and Metabolic Diseases.

Amount: $2,500,000
LOI: February 24, 2011
Deadline: March 24, 2011
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-182.html
Key Words: Diabetes, Endocrinology, Metabolic Diseases

Seeding Collaborative Interdisciplinary Team Science in Diabetes, Endocrinology and Metabolic Diseases (R24)
PAR-08-181
National Institute of Diabetes and Digestive and Kidney Diseases
The purpose of the Seeding Collaborative Interdisciplinary Team Science Program described in this announcement is to provide initial support to enable strong new investigative teams to form, and to foster preliminary research activities. It is anticipated that research teams receiving seeding support under this program will be well positioned to compete for funds through the parent NIDDK Collaborative Interdisciplinary Research Program in Diabetes, Endocrinology and Metabolic Diseases solicitation.

Amount: $300,000
LOI: August
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-181.html
Key Words: Diabetes, Endocrinology, Metabolic Diseases

AHRQ Small Research Grant Program (R03)
PA-10-168
Agency for Healthcare Research and Quality (AHRQ)
This Funding Opportunity Announcement (FOA) encourages Small Research Grant (R03) applications, and expresses AHRQ portfolio priority areas of interest for ongoing small research projects. The R03 grant mechanism supports different types of health services research projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and, development of new research technology.

Amount: $100,000
LOI: N/R
Alcohol-Induced Metabolic and Hepatic Injury (AIMHI)

New
RFA-AA-11-002
National Institute on Alcohol Abuse and Alcoholism (NIAAA)

The major goal of this research initiative is to encourage innovative studies that explore the pathophysiological changes associated with various stages of alcoholic liver disease (ALD) with an emphasis on the mechanisms underlying the increased susceptibility to chronic and end-stage liver disease. Specifically, applications are sought that focus on identification of the key cellular and molecular events responsible for the progression of alcohol-induced fatty liver to fibrosis and cirrhosis in patients with ALD alone or in combination with obesity, diabetes or Hepatitis C infection. It is anticipated that this RFA will generate data that may lead to identification of at-risk patients in order to enable clinicians to evaluate and treat them at an early stage, avoiding advanced fibrosis and cirrhosis, and thus improve related disease outcomes, including diabetes, vascular disorders, and hepatic encephalopathy.

Amount: $1,500,000
LOI: November 10, 2010
Deadline: December 10, 2010


Key Words:

NIDDK Program Project Applications (P01)

New
PAR-11-043
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

This Funding Opportunity Announcement (FOA) issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) invites submission of investigator-initiated Program Project Applications. The proposed programs should address scientific areas relevant to the NIDDK mission including diabetes, endocrine and metabolic diseases, digestive diseases and nutrition, and kidney, urologic and hematologic diseases, as well as new approaches to prevent, treat and cure these diseases, including clinical research.

Amount: $6,250,000
LOI: N/R
Deadline: Standard dates apply

Key Words:

Role of Adipose Tissue as an Endocrine Organ in Reproduction and Infertility (R01) [PA-08-059] and (R21) [PA-08-060]]

PA-08-059 and PA-08-060
NIH

This Funding Opportunity Announcement (FOA) issued by the National Institute of Child Health and Human Development, National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/organizations that propose to better understand the role of adipose tissue in the normal physiological regulation of reproduction, to discern its possible role in the etiology of diseases and disorders that impact human fertility, and to probe its potential importance in different racial/ethnic prevalence rates of certain reproductive disorders.

Amount: varies
LOI: N/R
Deadline: multiple, see link

Key Words:
The Role of Gastrointestinal Surgical Procedures in Amelioration of Obesity-Related Insulin, Resistance and Diabetes Independent of Weight Loss (R01)

PA-08-014
NIDDKD
This Funding Opportunity Announcement (FOA) issued by the National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health encourages Research Project Grant (R01) applications from Institutions/organizations that propose to explain the underlying mechanism(s) by which various gastrointestinal surgical procedures ameliorate obesity-related insulin resistance and diabetes independent of the resultant weight loss.

Amount: unspecified
LOI: N/R
Deadline: Multiple dates, see announcement.
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-014.html

Key Words:

NIDDK Central Repositories Non-renewable Sample Access (X01)
PAR-10-090
NIDDK Central Repositories Non-renewable Sample Access (X01)
The NIDDK Central Repositories house valuable samples and data from numerous major clinical studies. This FOA allows investigators to apply for access to non-renewable samples from one or more of these studies. Information about the samples available can be found at https://www.niddkrepository.org. Applicants must provide information from the NIDDK Central Repositories documenting sample availability. A separate solicitation will specifically request applications for samples from the DPT-1, EDIC, and DPP; samples from these studies cannot be requested via this FOA until November 1, 2010.

Amount: There are no dollars associated with these requests
LOI: N/R
Deadline: March 1, 2011, and July 1, 2011
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-090.html

Key Words: Clinical Samples, Diabetes, Kidney Disease

Alcohol-Induced Metabolic and Hepatic Injury (AIMHI) (R01)
RFA-AA-11-002
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
The goal of this Funding Opportunity Announcement (FOA), issued by the National Institute on Alcohol Abuse and Alcoholism (NIAAA), is to stimulate innovative research that will determine the key cellular and molecular events responsible for the progression of alcohol-induced fatty liver to fibrosis and cirrhosis in patients with alcoholic liver disease (ALD) alone or in combination with obesity, diabetes or Hepatitis C infection. We anticipate that the results of such research will identify the mechanisms responsible for the increased susceptibility to the progression of ALD to end-stage liver disease and help identify promising molecular targets for early detection of the most at-risk population.

Amount: $2,000,000
LOI: November 10, 2010
Deadline: December 10, 2010

Key Words:

Pilot and Feasibility Clinical Research Grants in Diabetes, Endocrine and Metabolic Diseases (R21)
PA-09-133
National Institute of Diabetes and Digestive and Kidney Diseases
Office of Dietary Supplements
This FOA, issued by National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the Office of Dietary Supplements (ODS) of the National Institutes of Health, encourages exploratory/developmental clinical research related to the prevention or treatment of diabetes, obesity and endocrine and genetic metabolic diseases. The Pilot and Feasibility Clinical Research Grants Program is designed to allow initiation of exploratory, short-term clinical studies, so that new ideas may be investigated without stringent requirements for preliminary data. The short-term studies should focus on research questions that are likely to have high clinical impact. They can include testing a new prevention strategy, a new intervention, or unique combinations of therapies. A high priority is the use of such studies to help stimulate the translation of promising research developments from the laboratory into clinical practice in diabetes, endocrine diseases and genetic metabolic diseases, including cystic fibrosis.

Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-133.html

Key Words: Diabetes, Cystic Fibrosis, Metabolic Disease
Non-Invasive Methods for Diagnosis and Progression of Diabetes, Kidney, Urological, Hematological and Digestive Diseases and Hypertensive Disorders (R01)
PA-09-181
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Heart Lung and Blood Institute (NHLBI)
This Funding Opportunity Announcement (FOA) is a call for the application of imaging and other non- or minimally-invasive technologies to detect, characterize, diagnose, identify persons with predisposition to, or monitor treatment of diseases of interest to the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the National Heart Lung and Blood Institute (NHLBI) of the National Institutes of Health (NIH). Also needed are new, robust surrogate markers for clinical trial endpoints, and new ways to characterize normal and pathological tissues in vivo. Diseases of interest include type 1 and 2 diabetes; acute and chronic kidney disease, liver, urologic, hematologic, digestive, endocrine, and metabolic diseases and their complications; obesity; obesity-related hypertension, hypertension, renal and vascular disorders leading to hypertension. Applicable techniques include molecular imaging and functional imaging approaches, imaging methods with high spatial, chemical or time resolution, metabolomics, proteomics, genomics, or new spectroscopic or sensor array technologies for monitoring metabolic or physiological events.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-181.html
Key Words: Diabetes, Kidney Disease, Type I, Type II

Pilot and Feasibility Clinical Research Studies in Digestive Diseases and Nutrition (R21)
PA-09-151
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Cancer Institute (NCI)
National Institute for Nursing Research (NINR)
Office of Dietary Supplements, National Institutes of Health (ODS)
This FOA issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK); the National Cancer Institute (NCI); the National Institute for Nursing Research (NINR), and Office of Dietary Supplements (ODS) of the National Institutes of Health, encourages pilot and feasibility clinical and epidemiological research studies of new therapies or means of health promotion and prevention of digestive and liver diseases and nutritional disorders associated with digestive and liver diseases, including cancer.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-151.html
Key Words: Liver Disease, Nutritional Disorders

Etiology, Prevention, and Treatment of Hepatocellular Carcinoma
[(R01) PA-08-243] and [(R21) PA-08-244] and [(P01) PAR-08-245]
PA-08-243 and PA-08-244 or PAR-08-245
National Cancer Institute
National Institute on Alcohol Abuse and Alcoholism
National Institute of Diabetes and Digestive and Kidney Diseases
With this Funding Opportunity Announcement (FOA), the National Cancer Institute (NCI), the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), and the National Institute on Alcohol Abuse and Alcoholism (NIAAA) encourage grant applications that: (a) address the etiology and etiologic mechanisms of hepatocellular carcinoma (HCC); (b) propose development of animal models for HCC; (c) propose novel approaches to prevent HCC malignancy; (d) propose therapeutic or diagnostic tools for reliable prognostic indicators for HCC; and/or (e) develop therapeutic approaches to minimize morbidity and mortality associated with HCC in humans. The primary focus of the proposed project must be on the basic biology, prevention, and/or treatment of liver cancer. Applications solely concerned with population studies and epidemiology will not be supported in connection with this FOA. This FOA will utilize the R01 grant mechanism and runs in parallel with two FOAs of similar scientific scope: (1) PA-08-244, for pilot exploratory/developmental projects using the R21 mechanism; and (2) PAR-08-245, for program project grants under the P01 mechanism.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Hepatocellular Carcinoma, Alcohol Liver Disease, Cancer
Etiology, Prevention, and Treatment of Hepatocellular Carcinoma (P01)
PAR-09-147
National Cancer Institute (NCI)
With this Funding Opportunity Announcement (FOA), the National Cancer Institute (NCI) invites grant applications that: (a) address the etiology and etiologic mechanisms of hepatocellular carcinoma (HCC); (b) propose development of animal models for HCC; (c) propose novel approaches to prevent HCC malignancy; (d) propose therapeutic or diagnostic tools for reliable prognostic indicators for HCC; and/or (e) develop therapeutic approaches to minimize morbidity and mortality associated with HCC in humans. The primary focus of the proposed projects must be on the basic biology, prevention, and/or treatment of liver cancer.

Amount: varies
LOI: December 28, 2010; and April 27, 2011
Deadline: January 28, 2011; and May 27, 2011
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-147.html
Key Words: Hepatocarcinoma

Funding
Broad Foundation, Eli and Edythe L.
Broad Medical Research Program (BMRP)
Research grants are available for innovative proposals that will lead to improvements in the prevention, diagnosis, or therapy of Crohn’s disease or ulcerative colitis, two types of inflammatory bowel disease (IBD). The program is interested in funding clinical or basic IBD research projects that are innovative; are in the early stages of exploration; will improve diagnosis, therapy, or prevention of IBD in the near future; and will lead to longer-term funding by more traditional granting agencies.

Amount: unspecified
LOI: The first step in applying is to submit a Letter of Interest (LOI)
Deadline: Continuous
To learn more: http://www.broadmedical.org/funding.htm
Key Words: Digestive Diseases and Disorders, Gastroenterology, Inflammatory Bowel Disease

Education and Curriculum Development
Cancer Education Grants Program (R25)
PAR-08-120
NIH
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages applications for the development of: (i) innovative cancer education programs; and (ii) cancer research dissemination projects that can be completed within 5 years. Specifically, the types of Cancer Education Grant Programs (CEGP) that may be supported include: (1) innovative educational programs intended to motivate biomedical and other health science students to pursue cancer related careers; (2) short courses to update cancer research scientists in new scientific methods, technologies and findings; (3) training of cancer care clinicians and community health care providers in evidence-based cancer prevention and control approaches; and (4) development of effective innovative education (dissemination) approaches to translate knowledge gained from science (discovery) into public health, and community applications (delivery). -Mechanism of Support. This FOA will use the NIH Research Education (R25) grant mechanism. Research education programs may not be transferred from one institution to another, unless strongly justified (see Section VI.2). - Funds Available and Anticipated Number of Awards. Awards issued under this FOA are contingent upon the availability of funds and the submission of a sufficient number of meritorious applications

Amount: $330,000 annually
LOI: N/R
Deadline: September 7, 2011
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-120.html
Key Words:

NIH Support for Conferences and Scientific Meetings (Parent R13/U13)
PA-10-071
National Institutes of Health (NIH)
multiple institutes
The purpose of the NIH Research Conference Grant Program (R13 and U13) is to support high quality conferences/scientific meetings that are relevant to the scientific mission of the NIH and to the public health. A conference/scientific meeting is defined as a gathering, symposium, seminar, scientific meeting, workshop or any other organized, formal meeting where persons assemble to coordinate, exchange, and disseminate information or to explore or clarify a defined subject, problem, or area of knowledge. Each NIH Institute and Center (IC) has a scientific purview and different program goals and initiatives that evolve over time.
Amount: varies
LOI: Advance permission to submit an application must be requested early in the process and no later than 6 weeks before the application submission date. The letter from the NIH documenting advance permission must be included in the Cover Letter component of
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-071.html
Key Words: Conference, Meeting

Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellows in PharmD/PhD Programs (F31)
PA-09-029
National Institutes of Health (NIH)
The National Institute of General Medical Sciences (NIGMS) will provide individual predoctoral research training fellowship awards to promising pharmacy students who are enrolled in a PharmD/PhD degree program whose dissertation projects are in areas relevant to the research mission of NIGMS. Applicants must have a baccalaureate degree and must be enrolled in a formally combined PharmD./PhD program in the biomedical, behavioral, or clinical sciences. Applicants must be at the dissertation research stage of their doctoral training. Applicants must also show evidence of both high academic performance in the sciences and substantial interest in areas of high priority to NIGMS.
Amount: annual stipend ($20,772)
LOI: N/R
Deadline: Standard dates for Individual Kirschstein-NRSA awards apply.
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-029.html
Key Words: Fellowship, Pre-Doctoral, Thesis, PharmD/PhD

Alcohol Research Education Project Grants (R25)
PAR-08-082
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
The National Institute on Alcohol Abuse and Alcoholism (NIAAA) supports research programs to advance understanding of the biological and behavioral processes involved in the development, expression, and consequences of alcoholism and other alcohol-related problems. The Institute also supports prevention, treatment, and health services research on alcohol abuse and alcoholism. A part of the NIAAA mission is the dissemination of new knowledge acquired from alcohol research to diverse audiences, including scientists, educators, clinicians, and other health and social service providers, patients and their families, professionals within the criminal justice system, and the general public. This FOA identifies the research activity on alcohol education of Health Professions that NIAAA will consider for award through Research Education grants (R25).
Amount: $500,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants1.nih.gov/grants/guide/pa-files/PAR-08-082.html
Key Words: Alcohol, Alcohol Related Problems, Education

Mental Health Dissertation Research Grant to Increase Diversity (R36)
PAR-09-132
National Institute of Mental Health (NIMH)
The purpose of this funding opportunity is to increase the diversity of the mental health research workforce. It will enable qualified doctoral candidates to pursue research careers in any area relevant to the research mission of the National Institute of Mental Health (NIMH). These awards are available to US citizens or permanent residents who are predoctoral students advanced to candidacy in accredited research doctoral programs in the United States (including Puerto Rico and other U.S. territories or possessions).
Amount: see program announcement
LOI: 30 days prior to Application Due Date
Deadline: December 22, 2010; April 22, 2011; August 24, 2011; December 22, 2011 (including resubmissions)
Key Words: Doctoral Training Support, Mental Health Professions

NIMH Research Education Grants (R25)
PAR-10-267
National Institute of Mental Health (NIMH)
The NIMH is particularly interested in innovative R25 applications that propose to develop short courses or workshops, research mentoring networks, activities during medical school and/or residency that encourage the development of research-oriented physician-scientists, or that combine didactic instruction with ongoing mentoring and research opportunities.

**Amount:** $1,250,000

**LOI:** 30 days before the submission date

**Deadline:** September 25 annually for new, resubmission, renewal, and revision applications


**Key Words:**

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**Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Training for a Dental and Craniofacial Research Workforce (T32)**

**PAR-10-171**

**National Institute of Dental and Craniofacial Research (NIDCR)**

The National Institute of Dental and Craniofacial Research (NIDCR) will award T32 Institutional Training grants to eligible institutions that are committed to supporting predoctoral and postdoctoral research training as a means to help ensure that a diverse and highly trained workforce is available to address the Nation's health-related needs in dental, oral, and craniofacial research. This NIDCR program is designed in recognition of the need to develop a cadre of highly qualified independent scientists who can successfully address basic, behavioral, and clinical research questions to improve oral, dental, and craniofacial health. Trainees are required to pursue full-time research training. Priority will be given to programs that present plans and evidence that they will train dentist scientists either as predoctoral dual degree dentist scientists, dentists receiving PhD training or dentists training in a postdoctoral research experience.

**Amount:** $4,000,000


**Deadline:** September 25, 2010, 2011, 2012


**Key Words:** Oral, Dental and Craniofacial Health

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**Institutional Training for a Dental and Craniofacial Research Workforce (T90/R90)**

**PAR-10-170**

**National Institute of Dental and Craniofacial Research (NIDCR)**

The National Institute of Dental and Craniofacial Research (NIDCR) will award T90/R90 grants to eligible institutions that are committed to supporting predoctoral and postdoctoral research training as a means to help ensure that a diverse and highly trained workforce is available to address the Nation's health-related needs in dental, oral, and craniofacial research. This NIDCR program is designed in recognition of the need to develop a cadre of highly qualified independent scientists who can successfully address basic, behavioral, and clinical research questions to improve oral, dental, and craniofacial health. Trainees are required to pursue full-time research training. Priority will be given to programs that present plans and evidence that they will train dentist scientists either as predoctoral dual degree dentist scientists, dentists receiving PhD training or dentists training in a postdoctoral research experience.

**Amount:** $4,000,000


**Deadline:** September 25, 2010, 2011, 2012


**Key Words:** Oral, Dental and Craniofacial Health

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**Team-Based Design in Biomedical Engineering Education (R25)**

**PAR-10-140**

**National Institute of Biomedical Imaging and Bioengineering (NIBIB)**

Eunice K. Shriver National Institute of Child Health and Human Development (NICHD)

This FOA, issued by the National Institute of Biomedical Imaging and Bioengineering (NIBIB) and the Eunice K. Shriver National Institute of Child Health and Human Development (NICHD), encourages applications from institutions that propose to establish new or to enhance existing team-based design courses in undergraduate Biomedical Engineering departments or programs. This FOA targets undergraduate students at the senior level but may also include junior undergraduates and first-year graduate students. Courses that address innovative and/or ground-breaking development, multidisciplinary/interdisciplinary training, and diversity recruitment are especially encouraged.

**Amount:** $200,000

**LOI:** April 18, 2011; April 18, 2012

**Deadline:** May 18, 2011; May 18, 2012


**Key Words:** Biomed Engineering
NIAID Science Education Awards (R25)
PAR-08-003
National Institute of Allergy and Infectious Diseases (NIAID)
This Funding Opportunity Announcement (FOA) solicits applications from organizations that propose creative and innovative research education programs that will increase the public’s understanding of biomedical research, or encourage K-12 students to enter areas in biomedical science in the mission areas of the NIAID. The NIH Research Education (R25) grant mechanism is a flexible and specialized mechanism designed to foster the development of biomedical, behavioral, and clinical researchers through creative and innovative research education programs.
The overall goals of the NIAID’s research education programs are to ensure that highly trained scientists will be available in adequate numbers and in appropriate scientific areas to address the nation’s biomedical, behavioral, and clinical research needs in the NIAID mission areas and to provide public education and outreach on NIH-funded research to a variety of audiences.
NIAID accepts R25 applications that provide training and curriculum development for K-12 teachers and students using innovative approaches and broad outreach at a national level. The applicant organization should determine the nature of the program, state the specific goals for the program, and define specific measurable objectives. The NIH encourages all proposed programs to foster the participation of individuals from racial and ethnic groups underrepresented in biomedical and behavioral research, individuals from disadvantaged backgrounds, individuals with disabilities, and women.

Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants1.nih.gov/grants/guide/pa-files/PAR-08-003.html
Key Words: Behavioral Medicine, Biomedical Research (Multidisciplinary)

Occupational Safety and Health Education and Research Centers (T42)
PAR-10-217
National Institute for Occupational Safety and Health (NIOSH)
The National Institute for Occupational Safety and Health (NIOSH)/ Centers for Disease Control and Prevention (CDC) invites grant applications for Education and Research Centers (ERC) that are focused on occupational safety and health training and research training. NIOSH is mandated to provide an adequate supply of qualified personnel to carry out the purposes of the Occupational Safety and Health Act, and the ERCs are one of the principal means for meeting this mandate. ERCs are academic institutions that provide interdisciplinary graduate training and continuing education in the core occupational safety and health areas of industrial hygiene (IH), occupational health nursing (OHN), occupational medicine residency (OMR), occupational safety (OS), as well as other closely related occupational safety and health (OSH) fields. Research and research training are integral components of ERCs, thus ERC scientists conduct peer reviewed, investigator initiated research on issues related to the National Occupational Research Agenda (NORA). The NIOSH homepage provides a full description of occupational safety and health program areas, http://www.cdc.gov/niosh/homepage.html. The ERCs also serve as regional resource centers for industry, labor, government, and the public.

Amount: $5,400,000
LOI: N/R
Deadline: August 15, 2011; August 14, 2012; August 14, 2013; August 14, 2014
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-217.html
Key Words:

Initiative to Maximize Research Education in Genomics (R25)
PAR-09-245
National Human Genome Research Institute (NHGRI)
This funding opportunity supports two types of activities: (1) short, advanced level courses that are intended to disseminate new laboratory techniques, methods, analyses related to the mission of the NHGRI and (2) research education and training initiatives that are linked to specific NHGRI research initiatives, such as Centers of Excellence in Genomic Science (CEGS) and large-scale sequencing and database grants.

Amount: $1,500,000
LOI: Thirty (30) days before application due date
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-245.html
Key Words: Laboratory Techniques, Class Development, Genomic Science

NCRR Science Education Partnership Award (SEPA) (R25)
PAR-10-206
National Center for Research Resources (NCRR)
NCRR encourages applications to its SEPA program for the development and evaluation of innovative research education programs to improve PreK-12 research career opportunities and the community’s understanding of the health science advances supported by the
National Institutes of Health (NIH)-funded clinical and basic research. SEPA encourages dynamic partnerships between biomedical and clinical researchers and PreK-12 teachers and schools and other interested organizations. Particular importance will be given to applications that target PreK-12 and/or ISE/media topics that may not be addressed by existing curriculum, community-based or ISE/media activities.

**Amount:** $1,250,000  
**LOI:** May 22, 2011, May 22, 2012  
**Deadline:** June 22, 2011, June 22, 2012  

**Key Words:**

**National Cancer Institute (NCI) Cancer Education and Career Development Program (R25)**  
PAR-10-165  
National Cancer Institute (NCI)  
The purpose of the CECDP is to support the development and implementation of institutional curriculum-dependent predoctoral/postdoctoral programs in the areas of cancer prevention and control, behavioral and population sciences research, nutrition, epidemiology, and/or biostatistics.  

**Amount:** $500,000  
**LOI:** N/R  
**Deadline:** Standard dates apply  
**To learn more:** [http://grants.nih.gov/grants/guide/pa-files/PAR-10-165.html](http://grants.nih.gov/grants/guide/pa-files/PAR-10-165.html)

**Key Words:** Educational Program Development, Cancer

**Meetings, Conferences, and Networks for Research Partnerships to Improve Functional Outcomes (R13)**  
PAR-08-207  
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)  
National Institute of Neurological Diseases and Stroke (NINDS)  
National Heart Lung and Blood Institute (NHLBI)  
National Institute of Mental Health (NIMH)  
National Inst  
This funding opportunity announcement (FOA) solicits Conference Grant (R13/U13) applications from applicant organizations for meetings and networks that will facilitate interdisciplinary research partnership among investigators. The goal is to create opportunities for forming strong and effective multi-disciplinary scientific teams to address basic, translational, or clinical research problems in rehabilitation or management of chronic disease, including mental disorders.  

**Amount:** $50,000  
**LOI:** N/R  
**Deadline:** Standard dates apply  
**To learn more:** [http://grants.nih.gov/grants/guide/pa-files/PAR-08-207.html](http://grants.nih.gov/grants/guide/pa-files/PAR-08-207.html)

**Key Words:** Chronic Disease, Rehabilitation, Conferences

**NIOSH Support for Conferences and Scientific Meetings (R13)**  
PAR-08-072  
Centers for Disease Control and Prevention  
CDC’s Procurement and Grants Office has published a funding opportunity announcement entitled, “NIOSH Support for Conferences and Scientific Meetings(R13).” The purpose of the program is to support high quality conferences/scientific meetings that are relevant to its scientific mission and to the public health. The goal of the NIOSH research program is to develop an understanding of the risks and conditions that are associated with occupational diseases and injuries, to explore methods for reducing risks and for preventing or minimizing exposure to hazardous conditions in the workplace, and to translate significant scientific findings into prevention practices and products that will effectively reduce work-related illnesses and injuries. Specific research priorities are derived from the National Occupational Research Agenda (NORA) which is used by NIOSH for determining how best to carry out its mission of providing national and world leadership in preventing work-related illnesses and injuries.  

**Amount:** $20,000  
**LOI:** Sixty calendar days in advance of standard Application  
**Deadline:** Standard dates apply (April 12, August 12, December 12)  
**To learn more:** [http://grants.nih.gov/grants/guide/pa-files/PAR-08-072.html](http://grants.nih.gov/grants/guide/pa-files/PAR-08-072.html)

**Key Words:** Occupational Health
Emergency Medicine

Department of Defense Spinal Cord Injury Research Program
Clinical Trial Award - Rehabilitation
Translational Research Partnership Award
Investigator-Initiated Research Award
Investigator-Initiated Focused Research Award

W81XWH-10-SCIRP-CTA-R
W81XWH-10-SCIRP-IIRA
W81XWH-10-SCIRP-QRA
W81XWH-10-SCIRP-TRPA
Department of Defense (DOD)
Congressionally Directed Medical Research Programs (CDMRP)
The Fiscal Year 2010 (FY10) Defense Appropriations Act provides $11.25 million to the Department of Defense (DOD) Spinal Cord Injury Research Program (SCIRP) to promote innovative research into regenerating damaged spinal cords, arthritis research, and improving rehabilitation therapies that offer real promise for enhancing long-term care of wounded soldiers. The SCIRP challenges the scientific community to design innovative research that will foster new directions for and address neglected issues in the field of SCI-focused research.
The vision of the SCIRP is to advance the understanding of spinal cord injury and ameliorate its consequences. This program is administered by the US Army Medical Research and Materiel Command through the Office of the Congressionally Directed Medical Research Programs (CDMRP).

Amount: varies with mechanism
LOI: August 5, 2010
Deadline: December 1, 2010
To learn more: http://cdmrp.army.mil/funding/scirp.shtml


Equipment

Shimadzu Equipment Grant
Shimadzu
Shimadzu announces the availability of grant funds to purchase their line of analytical instruments. Special consideration is being given for High-Speed Liquid Chromatograph Mass Spectrometers (LCMS-IT-TOF) Internal coordination is required, contact Dr. Paula Turpen 559-6162 or pbturpen@unmc.edu if interested.

Amount: 100% instrument value
LOI: N/R
Deadline: continuous
To learn more: Shimadzu Sales Rep: Douglas Catron dcatron@shimadzy.com

Key Words: Equipment, LCMS-IT-TOF, Mass Spectrometer, Shimadzu Equipment Grant, Shimadzu, grant funds, analytical instruments, High-Speed Liquid Chromatograph Mass Spectrometers (LCMS-IT-TOF), internal coordination, Dr. Paula Turpen 559-6162, pbturpen@unmc.edu, continuous.

Centers of Biomedical Research Excellence (COBRE) Phase III: Transitional Centers [P30]
PAR-10-196
National Center for Research Resources (NCRR)
The National Center for Research Resources (NCRR) of the NIH invites applications for COBRE infrastructure support grants. The objectives of this FOA are to continue support of infrastructure at Centers of Biomedical Research Excellence (COBRE) that have received 10 years of funding from NCRR. This FOA is supported through the Institutional Development Award (IdEA) Program at the National Center for Research Resources (NCRR) of NIH.

Amount: $3,750,000
LOI: N/R
Deadline: July 20, 2011, and July 20, 2012
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-196.html

Key Words: IDeA, Core Resources, Equipment Upgrades and Replacement.
**Bioengineering Research Grants (BRG)[R01]**

PA-06-419

National Institutes of Health (NIH), multiple institutes

The BRGs support multi-disciplinary research performed in a single laboratory or by a small number of investigators that applies an integrative, systems approach to develop knowledge and/or methods to prevent, detect, diagnose, or treat disease or to understand health and behavior. A BRG application may propose hypothesis-driven, discovery-driven, developmental, or design-directed research.

**Amount:** varies  
**LOI:** N/R  
**Deadline:** Standard dates apply  
**Key Words:** Imaging, Bioengineering, Arthritis, Musculoskeletal and Skin Diseases, Dental and Craniofacial, Neurological Disorders, Stroke, CAM

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**Research Project Grant (Parent R01)**

PA-10-067

National Institutes of Health (NIH)  
multiple institutes

The Research Project Grant (R01) is an award made to an institution/organization to support a discrete, specified, circumscribed project to be performed by the named investigator(s) in areas representing the specific interests and competencies of the investigator(s). The R01 research plan proposed by the applicant institution/organization must be related to the stated program interests of one or more of the NIH Institutes and Centers (ICs) based on descriptions of their programs.

**Amount:** varies  
**LOI:** N/R  
**Deadline:** Standard dates apply  
**To learn more:** [http://grants.nih.gov/grants/guide/pa-files/PA-10-067.html](http://grants.nih.gov/grants/guide/pa-files/PA-10-067.html)  
**Key Words:** Eye, Cancer, Imaging, Alcohol Abuse, Aging, Arthritis, CAM, Deafness, Dental, Diabetes, Environmental Health Sciences

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**NIH Exploratory Developmental Research Grant Program (Parent R21)**

PA-10-069

National Institutes of Health (NIH)  
multiple institutes

The National Institutes of Health (NIH) Exploratory/Developmental Grant (R21) funding opportunity supports the development of new research activities in categorical program areas. (Support generally is restricted in level of support and in time.) Investigator-initiated research, also known as unsolicited research, is research funded as a result of an investigator submitting a research grant application to NIH in an investigator's area of interest and competency. All investigator-initiated exploratory/developmental applications described in this announcement will be assigned to NIH Institutes and Centers (ICs) according to standard Public Health Service (PHS) referral guidelines and specific program interests. Investigators are strongly encouraged to consult the list of participating ICs and special research interests. The Exploratory/Developmental Grant (R21) mechanism is intended to encourage exploratory and developmental research projects by providing support for the early and conceptual stages of these projects. These studies may involve considerable risk but may lead to a breakthrough in a particular area, or to the development of novel techniques, agents, methodologies, models, or applications that could have a major impact on a field of biomedical, behavioral, or clinical research.

**Amount:** $275,000  
**LOI:** N/R  
**Deadline:** Standard dates apply  
**To learn more:** [http://grants.nih.gov/grants/guide/pa-files/PA-10-069.html](http://grants.nih.gov/grants/guide/pa-files/PA-10-069.html)  
**Key Words:** Investigator Initiated

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**NIDCD Research on Hearing Health Care (R01) and (R21)**

PA-10-253 and PA-10-254

National Institute on Deafness and Other Communication Disorders (NIDCD)

This FOA, issued by the National Institute on Deafness and Other Communication Disorders, National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/organizations to support research leading to accessible and affordable
hearing health care (HHC). The overarching emphasis is on the acquisition of knowledge that can be rapidly translated into new or enhanced approaches for access, assessment or interventions with a goal to delivering better hearing health care outcomes. Applications should seek quality approaches that are effective, affordable and deliverable to those who need them as well as implementable and sustainable in settings beyond the research environment.

Amount: varies
LOI: N/R
Deadline: Standard dates apply

Key Words:

Structural Analyses of the Ligand-Binding Properties of Taste and Smell Receptors (R01)
PA-09-058
National Institute on Deafness and Other Communication Disorders (NIDCD)
This Funding Opportunity Announcement (FOA) issued by the National Institute on Deafness and Other Communication Disorders (NIDCD), encourages grant applications from institutions/organizations designed to foster innovative collaborative research to characterize the structural properties of taste and smell receptors. Additional emphasis is placed on the characterization of the interactions among odors, pheromones, and taste substances with their cognate receptors, and the identity of the critical ligand-receptor binding sites that determine sensitivity and selectivity. One aim of this FOA is to encourage collaborations among chemosensory molecular biologists and biochemists with expertise in the isolation and characterization of membrane proteins, and biophysicists familiar with crystallography, NMR and other analytical tools used in structural analyzes.

Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-058.html

Key Words: Cognate Receptors, Ligand-Receptor Binding, Pheromones, Taste, Odor

Proteomics in Auditory Developmental and Disease Processes (R01) and (R21)
PA-09-228 and PA-06-366
National Institute on Deafness and Other Communication Disorders (NIDCD)
This Funding Opportunity Announcement (FOA) issued by the National Institute on Deafness and Other Communication Disorders (NIDCD), National Institutes of Health (NIH) encourages R01 applications that focus on “Proteomics in Auditory Developmental and Disease Processes”.

Amount: varies
LOI: N/R
Deadline: Standard dates apply

Key Words: Auditory, Development

Proteomics in Auditory Developmental and Disease Processes (R21)
PA-10-078
National Institute on Deafness and Other Communication Disorders (NIDCD)
The following examples are not meant to be comprehensive or restrictive, but rather represent projects relevant to the auditory system. Examples of projects responsive to this FOA include but are not limited to:

Comparative analysis between proteome and transcriptome of a defined auditory cell and/or tissue type; comparative determination between proteomic and transcriptomic results.

Comparative analysis of infection state in middle ear tissue, cell type, in response to invasion with otitis media pathogens; comparative proteomic analysis of infectious pathogens involved in middle ear infections upon biofilm or infection stimulus.

Proteomic analysis of auditory genetic disorders, presbycusis, environmental noise or drug trauma; biological and/or clinical in design.

Proteomic analysis of native purified and/or in vitro propagated cultures of putative auditory progenitor cells; comparative studies of transdifferentiated/induced auditory cells and subtypes.

Use of proteomic approaches to study the signal transduction networks related to transcription factors, cell surface receptors, growth factors, and other biomarkers relevant to auditory development.

Proteomic identification of novel signaling molecules and pathways involved in cell development, differentiation, communication, function and destruction, as applied to auditory signaling processes.

Development of novel proteomic bioinformatics for annotating genomic and protein sequence information for auditory function.

Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
Research Opportunities on Spasmodic Dysphonia (R01) and (R21)
PA-10-157 and PA-10-156
National Institute on Deafness and Other Communication Disorders (NIDCD)
This funding opportunity announcement (FOA) issued by the National Institute on Deafness and Other Communication Disorders (NIDCD) invites innovative collaborative research project grant applications (R01) designed to improve our understanding of the pathogenesis and pathophysiology of spasmodic dysphonia (SD) for its prevention and improved treatment. This FOA invites basic, translational and clinical studies to accelerate research into promising therapeutic approaches for spasmodic dysphonia and to stimulate progress in spasmodic dysphonia research through encouraging and facilitating transdisciplinary interactions.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Dysphonia

NIDCD Small Grant Program (R03)
PAR-10-055
National Institute on Deafness and Other Communication Disorders (NIDCD)
The NIDCD Small Grant Program (R03) is intended to support basic and clinical research of scientists who are beginning to establish an independent research career. It cannot be used for thesis or dissertation research. The research must be focused on one or more of the areas within the biomedical and behavioral scientific mission of the NIDCD: hearing, balance/vestibular, smell, taste, voice, speech, or language.
Amount: $300,000
LOI: N/R
Key Words: Balance, Vestibular, Voice, Speech, Language

NIDCD Research Career Enhancement Award for Established Investigators (K18)
PAR-10-162
National Institute on Deafness and Other Communication Disorders (NIDCD)
The purpose of the NIDCD Research Career Enhancement Award for Established Investigators (K18) program is to enable established, proven investigators to augment or redirect their research programs through the acquisition of new research skills to answer questions relevant to the hearing, balance, smell, taste, voice, speech and language sciences.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Balance, Speech and Language Science

Integrative Systems Biology Approaches to Auditory Hair Cell Regeneration
[(R21) PA-08-176] and [(R01) PA-08-177]
PA-08-176 and PA-08-177
National Institute on Deafness and Other Communication Disorders
The National Institute on Deafness and Other Communication Disorders (NIDCD) invites grant applications using comprehensive systems biology approaches intended to restore lost auditory hair cells and their sensory function following damage to the inner ear from a variety of factors including disease, aminoglycosides, noise, and aging.
Amount: $500,000
LOI: N/R
Deadline: Standard dates apply
Key Words: Auditory Hair Cells, Hearing Loss

NEI Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) for Statistical Genetics and Genome Informatics
RFA-EY-10-001
National Eye Institute (NEI)
The NEI Institutional Research Training Grants (T32) for Statistical Genetics and Genome Informatics is a Ruth L. Kirschstein National Research Service Award program that is intended to support predoctoral and postdoctoral training at institutions having the potential to develop meritorious training programs in genomic medicine, computational genomics, and statistical genetics. The goal of this program is to initiate a training program to develop ophthalmic statistical genetics and bioinformatics research skills critical for investigators seeking to identify genes and genetic variations underlying ocular diseases. This training program is designed to attract individuals in early career stages, in order to increase their knowledge and awareness of research in the genetics of ophthalmic disorders, and to encourage them to pursue research career opportunities in these scientific fields. Such training will help meet a growing need for investigators trained in computational genomics related to basic biomedical, clinical, and translational ophthalmic research.
Amount: $1,500,000
LOI: N/R
Deadline: May 18, 2011 and 2012
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-EY-10-001.html
Key Words: Genomic Medicine, Ocular Diseases

The NEI Mentored Clinical Scientist Development Program Award (K12)
PAR-10-166
National Eye Institute (NEI)
The purpose of the NEI Mentored Clinical Scientist Development Program Award (K12) is to facilitate and support the career development of clinical vision scientists who have made a commitment to independent research careers. It will allow institutions to provide two to five years of comprehensive individualized career development training for selected clinically trained professionals (DO, DVM, MD, MD/PhD, OD, and PhD) who have the potential to develop into productive vision clinician-scientists. Under this award, recently trained clinicians are to be selected and appointed to the program by the grantee institution.
Amount: $5,625,000
LOI: N/R
Deadline: May 13, 2011
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-166.html
Key Words: Clinical Visual Research

NEI Clinical Vision Research (U10)
PAR-10-207
National Eye Institute (NEI)
The National Eye Institute (NEI) supports investigator-initiated clinical vision research projects, including clinical trials and large-scale epidemiologic studies in vision research. The intent of this funding opportunity announcement is to provide a framework for applicants proposing clinical vision research projects, including clinical trials and epidemiological studies.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-207.html
Key Words:

NEI Center Core Grants for Vision Research (P30)
PAR-10-223
National Eye Institute (NEI)
An NEI P30 Center Core Grant combines one or more research modules for a group of R01 investigators to enhance their research, consolidate resources, avoid duplication of efforts, and/or contribute to cost effectiveness by providing a service with lower cost or higher quality than could be attempted for independent projects by several individual PIs. Shared resources and facilities that are accessible to a group of independently funded investigators lead to greater productivity for the separate projects, and can provide instrumentation and facilities that are too costly to be maintained by an individual investigator. The design and purpose of each P30 Center Core Grant may vary in how it serves its users. This program is designed to enhance an institution's environment and capability to conduct vision research and to facilitate collaborative studies of the visual system and its disorders.
Amount: $2,000,000
LOI: N/R
Deadline: September 27, 2011, 2012
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-223.html
Key Words:

NEI Translational Research Program on Therapy for Visual Disorders (R24)
The National Eye Institute (NEI) supports multidisciplinary research focusing on the development of novel therapies to treat visual diseases and disorders. The rapid and efficient translation of innovative laboratory research findings into clinical development frequently requires a comprehensive and highly integrated approach involving collaborative teams of scientists and clinicians with expertise in multiple disciplines. Such a collaborative approach is particularly appropriate for research focused on pathways that will likely be targeted by biological intervention, such as gene therapy, cell-based therapy, pharmacological approaches. The intention of this program is to make resources available to scientists from several disciplines to form research teams to address scientific and technical questions that would be beyond the capabilities of any one research group. Each project should have a well-defined end-point, achievable within a five-year time frame, of developing a specific treatment for a specific disease. The steps toward this end-point should be clearly delineated in a series of milestones that support the development of a therapeutic approach, which can then be tested in a clinical trial.

**Amount:** $7,500,00

**LOI:** N/R


**Key Words:**

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**NEI Clinical Study Planning Grant Program (R34)**

PAR-10-017

The National Eye Institute (NEI) supports large-scale clinical vision research projects, including randomized clinical trials and epidemiologic studies. At the time of submission, applications requesting support for these activities are expected to provide detailed information regarding the study's rationale, design, analytic techniques, protocols and procedures, facilities and environment, organizational structure, and collaborative arrangements. This information is best conveyed in a well-documented Manual of Procedures (MOP), the development of which represents a costly and time-consuming activity. The Clinical Study Planning Grant is designed to facilitate activities central to the refinement of a study's protocol and procedures and the development of a detailed MOP. The NEI Clinical Study Planning Grant may be used to support the development of a MOP, as well as to conduct preliminary studies to refine study procedures and/or assess recruitment potential. The Clinical Study Planning Grant is applicable to both epidemiologic and clinical trial research studies.

**Amount:** $300,000

**LOI:** N/R

**Deadline:** Standard dates apply

To learn more: [http://grants.nih.gov/grants/guide/pa-files/PAR-10-017.html](http://grants.nih.gov/grants/guide/pa-files/PAR-10-017.html)

**Key Words:** Vision, Clinical Trials

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**Advancing Novel Science in Women’s Health Research (ANSWHR) (R21)**

PAS-10-226

The purpose of this Funding Opportunity Announcement (FOA), issued by the Office of Research on Women’s Health (ORWH) and co-sponsoring NIH institutes and centers (ICs), is to promote innovative, interdisciplinary research that will advance new concepts in women’s health research and the study of sex/gender differences. Recent research reports have established the importance of studying issues specific to women, including the scientific and clinical importance of analyzing data separately for females and males. ORWH is particularly interested in encouraging extramural investigators to undertake new interdisciplinary research to advance studies on how sex and gender factors affect women’s health; however, applications in all areas of women’s health and/or sex/gender research are invited.

**Amount:** $275,000

**LOI:** N/R

**Deadline:** October 16, 2011, October 16, 2012 for new applications; November 16, 2011; November 16, 2012 for resubmission applications


**Key Words:**

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**Medical Management of Older Patients with HIV/AIDS**

[(R01) PA-09-0187] and [(R03) PA-09-018 ] or [(R21) PA-09-0189]

PA-09-017 and PA-09-018 or PA-09-019
This funding opportunity announcement (FOA) issued by the National Institute on Aging (NIA), the National Institute of Allergy and Infectious Diseases (NIAID), the Center for Mental Health Research on AIDS of the National Institute of Mental Health (NIMH), and the National Institute of Nursing Research (NINR) encourages Research Project Grant (R01) applications that address clinical and translational medical issues in the diagnosis and/or management of HIV infection and its consequences in older persons.

**Amount:** $2,500,000  
**LOI:** N/R  
**Deadline:** Standard dates apply

To learn more: [http://grants.nih.gov/grants/guide/pa-files/PA-09-017.html](http://grants.nih.gov/grants/guide/pa-files/PA-09-017.html)  

**Key Words:** HIV/AIDS, HIV, Aging

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**Women's Mental Health in Pregnancy and the Postpartum Period (R01)**  
**PA-09-174 and PA-09-175**

National Institute of Mental Health (NIMH)  
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)  
National Institute on Drug Abuse (NIDA)  
Center for Primary Care, Prevention, and Clinical Partnerships (CP3)

In this Funding Opportunity Announcement (FOA), the National Institute of Mental Health (NIMH), the National Institute on Drug Abuse (NIDA), the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), and the Agency for Healthcare Research and Quality, encourage research on women's mental health in relation to pregnancy and the postpartum period. As illustrated by a few highly publicized cases, the consequences of severe untreated postpartum depression and psychosis can be devastating for individuals, families, and communities. A recent evidence-based practice report from the Agency for Healthcare Research and Quality noted that depression is also prevalent during pregnancy as well as the postpartum period, therefore research that occurs throughout pregnancy and the postpartum period (the perinatal period) is encouraged.

**Amount:** varies  
**LOI:** N/R  
**Deadline:** Standard dates apply


**Key Words:** Post-Partum Depression

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**Home and Family Based Approaches for the Prevention or Management of Overweight or Obesity in Early Childhood (R21) and (R01)**  
**PA-10-128 and PA-10-127**

National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)  
National Heart, Lung and Blood Institute (NHLBI)  
Office of Behavioral and Social Sciences Research (OBSSR)  
Office of Disease Prevention (ODP)

This Funding Opportunity Announcement (FOA) issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), the National Heart, Lung and Blood Institute (NHLBI), the Office of Behavioral and Social Sciences Research (OBSSR) and the Office of Disease Prevention (ODP), National Institutes of Health, invites exploratory pilot/feasibility study and small clinical trial (R21) applications from institutions/organizations that propose to test novel home or family based interventions for the prevention or management of overweight in infancy and early childhood. Tested interventions can use behavioral (including dietary and physical activity), environmental, or other relevant approaches. Applications should focus on infants and young children (to age six years) and emphasize the role of home environment and the influence of family/extended family members and parents (including guardians/substantial care-providers) within the child's home environment. The direct goal of this initiative is to fund research that will advance knowledge for innovative approaches to the prevention or management of overweight in children less than 6 years of age, with potential for future research clinical trial applications either in the home or linked to a community setting. Research should consider the role of families in the initiation, support, and reinforcement of fundamental food and beverage consumption, physical activity practices, and sedentary behaviors. In addition it is of interest to elucidate various underlying behavioral determinants that are crucial to initiate or sustain changes in behaviors that impact energy balance. Research designs may include linkages with other settings (e.g., daycare, pre-school, or other community venues) or other care providers (e.g., health care providers or teachers) but must include infants or children less than age six years as the primary study participant along with parents, and/or other family members residing with the child. The overarching goal is to identify interventions that influence parent and child behaviors that contribute to inappropriate weight gain, and thereby improve subsequent health status in childhood, adolescence, and adulthood for which overweight is a known risk factor.

**Amount:** varies  
**LOI:** N/R  
**Deadline:** Standard dates apply


**Key Words:** Obesity
Biology of Manual Therapies (R01) and (R21)
PA-10-209 and PA-10-210
National Center for Complementary and Alternative Medicine (NCCAM)
National Cancer Institute (NCI)
This FOA issued by National Center for Complementary and Alternative Medicine (NCCAM) and the National Cancer Institute (NCI), at the National Institutes of Health (NIH), encourages research grant applications (R01) from institutions/organizations that propose to investigate the basic science and mechanisms of action underlying the biomechanical, immunological, endocrinological and/or neurophysiological consequences of manual therapies, such as spinal manipulation, mobilization and massage therapy.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words:

Meetings, Conferences, and Networks for Research Partnerships to Improve Functional Outcomes (R13)
PAR-08-207
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
National Institute of Neurological Diseases and Stroke (NINDS)
National Heart Lung and Blood Institute (NHLBI)
National Institute of Mental Health (NIMH)
National Inst
This funding opportunity announcement (FOA) solicits Conference Grant (R13/U13) applications from applicant organizations for meetings and networks that will facilitate interdisciplinary research partnership among investigators. The goal is to create opportunities for forming strong and effective multi-disciplinary scientific teams to address basic, translational, or clinical research problems in rehabilitation or management of chronic disease, including mental disorders.
Amount: $50,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-207.html
Key Words: Chronic Disease, Rehabilitation, Conferences

Funding
Broad Foundation, Eli and Edythe L.
Broad Medical Research Program (BMRP)
Research grants are available for innovative proposals that will lead to improvements in the prevention, diagnosis, or therapy of Crohn's disease or ulcerative colitis, two types of inflammatory bowel disease (IBD). The program is interested in funding clinical or basic IBD research projects that are innovative; are in the early stages of exploration; will improve diagnosis, therapy, or prevention of IBD in the near future; and will lead to longer-term funding by more traditional granting agencies.
Amount: unspecified
LOI: The first step in applying is to submit a Letter of Interest (LOI)
Deadline: Continuous
To learn more: http://www.broadmedical.org/funding.htm
Key Words: Digestive Diseases and Disorders, Gastroenterology, Inflammatory Bowel Disease

Research Stimulation Grants
American Academy of Family Physicians (AAFP)
Proposals are being accepted for research stimulation grants that address clinical research questions of importance to family physicians and their patients and can be implemented within a typical family medicine setting. Funds may be requested to support pilot projects or preliminary efforts involving general or nutritional research in family medicine. It is hoped that these grants will lead to the completion of a larger research project. The foundation will only fund new uniquely identifiable research projects.
Amount: $5,000
LOI: N/R
Deadline: Continuous
To learn more: http://www.aafpfoundation.org/x446.xml
Key Words: Family Medicine
**Genomics**

**Functional Genetics, Epigenetics, and Non-coding RNAs in Drug Addiction (R01), (R21) and (R03)**

*New*

PA-11-033, PA-11-034 and PA-11-035  
National Institute on Drug Abuse (NIDA)  

Genetic and genomic studies have identified genes and gene variants that potentially modulate the fundamental biological mechanisms underpinning addictive processes. Discovery of these genes/variants, while extremely valuable, is only a first step in understanding molecular mechanisms of addiction. This Funding Opportunity Announcement encourages basic functional genomic research in two areas: 1. functional validation to determine which candidate genes/variants/epigenetic/non-coding RNA features have an authentic role in addictive processes, and 2. detailed elucidation of the molecular pathways and processes modulated by candidate genes/variants, particularly for those genes with an unanticipated role in addiction.

**Amount:** varies  
**LOI:** N/R  
**Deadline:** Standard dates apply  

**Key Words:**

**T32 Postdoctoral Research Fellowship**

T32HL072757-02  
University of Alabama at Birmingham (UAB)  

The Section on Statistical Genetics in the Department of Biostatistics at the University of Alabama at Birmingham is accepting applications from statistical and other scientists for postdoctoral positions in statistical genetics, genetic epidemiology, microarray analysis, or proteomic analysis.

**Amount:** not specified  
**LOI:** N/R  
**Deadline:** Continuous. Fellowship positions are open until filled.  
**To learn more:** [http://www.soph.uab.edu/sg/default.aspx?id=68](http://www.soph.uab.edu/sg/default.aspx?id=68)  

**Key Words:**

**ELSI Regular Research Program (R01)**

PA-08-012  
NIH  

This Funding Opportunity Announcement (FOA) issued by the National Human Genome Research Institute, National Institutes of Health, encourages Research Program Grant (R01) applications from institutions/organizations that propose to study the ethical, legal and social implications (ELSI) of human genome research.

**Amount:** unspecified  
**LOI:** N/R  
**Deadline:** multiple dates, see announcement  
**To learn more:** [http://grants.nih.gov/grants/guide/pa-files/PA-08-012.html](http://grants.nih.gov/grants/guide/pa-files/PA-08-012.html)  

**Key Words:**

**ELSI Small Research Program (R03)**

PA-08-013  
NIH  

This Funding Opportunity Announcement (FOA) issued by the National Human Genome Research Institute, National Institutes of Health, encourages Small Research Grant (R03) applications from institutions/organizations that propose to study the ethical, legal and social implications (ELSI) of human genome research. This announcement is specifically designed to: 1) encourage the development of small, focused research projects by legal, historical, ethics, humanities, social sciences and behavioral scholars; 2) support exploratory studies that may provide preliminary findings or pilot data for larger research proposals; 3) support the secondary analysis of existing data; 4) support the development of new methodologies; and 5) stimulate and facilitate the entry of promising new investigators into ELSI Research.

**Amount:** $100,000 over 2 years  
**LOI:** N/R
Genetic Susceptibility and Variability of Human Structural Birth Defects (R01)
PA-08-011
NICHHD, NIDCR, NIEHS
This Funding Opportunity Announcement (FOA) encourages innovative investigator-initiated applications designed to study fundamental developmental processes using animal models in conjunction with translational/clinical approaches with the goal of advancing our understanding of the etiology of structural birth defects. In 2000, the Developmental Biology, Genetics and Teratology Branch at NICHD began its Birth Defects Initiative with the funding of a number of research grants and program projects focused on the use of molecular genetic approaches for the study of genetic susceptibility, epidemiology, and developmental biology of human congenital structural malformations. These grants established the basis for a working group of investigators, who meet annually to present research updates, share ideas and technical advances, establish new collaborations, and provide input and advice to NICHD staff. Applicants funded through this FOA will join the NICHD’s Birth Defects Special Interest Group and participate in annual meetings designed to provide a forum to discuss research progress, exchange ideas, share resources, and foster collaborations relevant to the goals of the NICHD’s Birth Defects Initiative.
Amount: unspecified
LOI: N/R
Deadline: Multiple dates, see announcement

Bioengineering Research Partnerships (BRP)[R01]
PAR-10-234
National Institutes of Health (NIH)
multiple institutes
Participating Institutes and Centers (ICs) of the National Institutes of Health (NIH) invite applications for R01 awards to support Bioengineering Research Partnerships (BRPs) for basic, applied, and translational multi-disciplinary research that addresses important biological, clinical or biomedical research problems. In the context of this program, a partnership is a multi-disciplinary research team, that applies an integrative, systems approach to develop knowledge and/or methods to prevent, detect, diagnose, or treat disease or to understand health and behavior. The partnership must operate according to a clear leadership plan and include appropriate bioengineering or allied quantitative sciences in combination with biomedical and/or clinical components. BRPs may propose, within a 12-page research strategy section, design-directed, developmental, discovery-driven, or hypothesis-driven research at universities, national laboratories, medical schools, large or small businesses, or other public and private entities or combinations of these entities, and will be evaluated against expanded review criteria. It is expected that a BRP will have a well-defined goal or deliverable that will be achieved in a 5-10 year timeframe based on objective milestones specified in the initial application.
Amount: varies
LOI: N/R
Deadline: Standard Dates apply

NIH Small Research Grant Program (Parent R03)
PA-10-064
National Institutes of Health (NIH)
multiple institutes
The National Institutes of Health (NIH) Investigator-Initiated Small Grant (R03) funding opportunity supports small research projects that can be carried out in a short period of time with limited resources. Investigator-initiated research, also known as unsolicited research, is research funded as a result of an investigator submitting a research grant application to NIH in an investigator’s area of interest and competency. All investigator-initiated small grant applications described in this announcement will be assigned to NIH Institutes and Centers (ICs) according to standard Public Health Service (PHS) referral guidelines and specific program interests. Investigators are strongly encouraged to consult the list of participating ICs and special research interests. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. The R03 is intended to support small research projects that can be carried out in a short period of time with limited resources.
Amount: $100,000
LOI: N/R
Deadline: Standard dates apply
Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) - PA-06-468/PA-08-226
PA-06-468/PA-08-226
National Institutes of Health (NIH)
The objective of the National Research Service Award (NRSA) program is to provide predoctoral and postdoctoral research training opportunities for individuals interested in pursuing research careers in biomedical, behavioral and clinical research. Each NIH Institute and Center has a unique scientific purview and different program goals and initiatives that evolve over time. It is therefore critical that all applicants consult with the scientific/research contact at the relevant NIH Institute or Center for current information about program priorities and policies before preparing an application. This action is of utmost importance because applications with marginal or no relevance to the NIH awarding components participating in this funding opportunity announcement will not be accepted for review or considered for funding.
Amount: varies
LOI: N/R
Deadline: Jan 25 annually; May 25 annually
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-226.html

Proteomics in Auditory Developmental and Disease Processes (R21)
PA-10-078
National Institute on Deafness and Other Communication Disorders (NIDCD)
The following examples are not meant to be comprehensive or restrictive, but rather represent projects relevant to the auditory system. Examples of projects responsive to this FOA include but are not limited to:
Proteomic analysis of specific cell types of the inner ear, other auditory pathways, and/or their subcellular structures.
Proteomic analysis of specific otocyst cell/tissue types through a variety of developing stages.
Comparative analysis between proteome and transcriptome of a defined auditory cell and/or tissue type; comparative determination between proteomic and transcriptome results.
Comparative analysis of infection state in middle ear tissue, cell type, in response to invasion with otitis media pathogens; comparative proteomic analysis of infectious pathogens involved in middle ear infections upon biofilm or infection stimulus.
Proteomic analysis of auditory genetic disorders, presbycusis, environmental noise or drug trauma; biological and/or clinical in design.
Proteomic analysis of native purified and/or in vitro propagated cultures of putative auditory progenitor cells; comparative studies of transdifferentiated/induced auditory cells and subtypes.
Use of proteomic approaches to study the signal transduction networks related to transcription factors, cell surface receptors, growth factors, and other biomarkers relevant to auditory development.
Proteomic identification of novel signaling molecules and pathways involved in cell development, differentiation, communication, function and destruction, as applied to auditory signaling processes.
Development of novel proteomic bioinformatics for annotating genomic and protein sequence information for auditory function.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-078.html

The Role of Cellular Organelles in Alcohol-Induced Tissue Injury (R01) and (R21)
PA-10-085 and PA-10-086
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
This Funding Opportunity Announcement (FOA) issued by the National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, encourages Research Project Grant (R01) applications that propose to study biological processes involving the cellular organelles in alcohol-induced tissue injury. Excessive alcohol consumption can damage many organ systems including the liver, heart, pancreas, brain, and lung. However, the mechanisms for these injuries are currently not fully understood. Cellular organelles play an important role in cellular functions and are significantly involved in alcohol-induced tissue injury. Thus, studies of alcohol's effects on the structure and function of cellular organelles are critical to better understand the mechanisms of alcohol-induced injuries and to develop new strategies for their diagnosis and treatment. The purpose of this FOA is to: (1) better understand how acute or chronic alcohol consumption affects the structure and function of cellular organelles, and in turn, how these changes contribute to alcohol-induced injury; (2) investigate how variations of proteins in cellular organelles, or their regulation and function, including cellular
signaling pathways, contribute to an individual’s response to acute or chronic alcohol intake and alcohol-induced tissue injury; (3) develop potential biomarkers for prognosis and diagnosis of tissue injury, or identify new targets for therapeutic interventions. This FOA aims to foster the utilization of innovative experimental design and emerging technologies, such as genomics, proteomics, metabolomics, bioinformatics, as well as novel microscopic imaging techniques that illuminate functions in intact cells and tissues, to generate new mechanistic and clinical insights into alcohol-induced tissue injuries.

Amount: varies
LOI: N/R
Deadline: Standard dates apply

Key Words: Alcohol-Induced Tissue Injury

Stress Pathways in Alcohol Induced Organ Injury and Protection (R01) and (R21)
PA-10-093 and PA-10-094
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
This Funding Opportunity Announcement (FOA) issued by the National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, encourages Research Project Grant (R01) applications that propose studying the role of cellular stress responses, the cytoplasmic classical stress response or heat shock response (HSR) and the endoplasmic reticulum (ER) stress, in alcohol-induced tissue injury and tissue protection. While excessive alcohol use causes organ damage, moderate alcohol consumption may be beneficial. The underlying molecular mechanisms for this apparent dichotomy of alcohol’s harmful and salutary effects are currently not fully understood. Alcohol induces cellular stress pathways in the cytoplasm and in the endoplasmic reticulum that may significantly be involved in alcohol-induced tissue injury or mediate tissue protection depending on the quantity, frequency, duration, and temporal pattern of drinking. Hence, studies of the effects of alcohol on cellular stress pathways are critical to understand the mechanisms of alcohol-induced injuries or protection to develop new strategies for prevention, diagnosis and treatment. The purpose of this FOA is to: (1) acquire insight into how acute or chronic alcohol consumption affects cellular stress pathways and in turn, how these changes contribute to alcohol-induced injury/protection; (2) investigate how alcohol induced stress responses mediate cell survival and death signaling pathways at macromolecular, organelle, cellular and organism level contributing to alcohol-induced tissue injury/protection; (3) develop potential stress related biomarkers for prognosis, diagnosis of tissue injury/protection, furthermore identify new targets for their therapeutic interventions. Utilizing innovative experimental design and emerging technologies, such as deep sequencing, genomics, proteomics, metabolomics, bioinformatics, and novel imaging techniques these investigations are expected to provide a more comprehensive understanding of how alcohol affects the evolutionally conserved stress pathways and elucidate their roles in tissue injuries and repair.

Amount: varies
LOI: N/R
Deadline: Standard dates apply

Key Words: Alcohol-Induced Tissue Injury

Mouse Models Containing Human Alleles: Novel Tools to Study Brain Function (R21/R33)
PAR-08-158
National Institute of Mental Health
National Institute on Aging
National Institute on Alcohol Abuse and Alcoholism
National Institute on Drug Abuse
This Funding Opportunity Announcement invites Phased Innovation (R21/R33) grant applications from organizations /institutions that propose the development and characterization of novel mouse models that express human genes or human genetic elements that can aid in understanding the molecular mechanisms underlying brain function and the physiological function/significance of gene variants and gene dosage abnormalities that have been identified as possibly being involved in mental disorders, addiction, neurodegenerative disorders of aging, and alcoholism as well as related comorbid conditions.

Amount: $150,000
LOI: 30 days prior to application receipt date
Deadline: multiple dates (January 28, 2011)
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-158.html

Key Words: Animal Models

Viral and Host Genetic Factors Regulating HIV-Associated CNS Disease (R01) and (R21)
RFA-MH-11-020 and RFA-MH-11-021
National Institute of Mental Health (NIMH)
National Institute of Neurological Disease and Stroke (NINDS)
The National Institute of Mental Health (NIMH) and The National Institute of Neurological Disorders and Stroke (NINDS) solicit research grant applications to support studies focused on viral and host genetic factors involved in HIV-1 Associated Neurocognitive Disorders
(HAND) in the setting of highly active anti-retroviral therapy (HAART). Recent clinical studies indicate that over 50% of HIV-infected patients manifest HAND despite receiving HAART. The focus of this initiative is to encourage studies to discover novel genetic paradigms that may account for the interactions between the virus, the host, and the therapeutic drugs in the central nervous system (CNS) that result in the pathogenesis, progression, and clinical manifestations of HAND. The use of state-of-the-art genetic approaches (including transcriptomics, phenomics, epigenomics, whole genome association studies, next generation sequencing, exome sequencing, & systems biology) to identify and validate (including in vitro models, animal models, & human samples) viral and host genetic factors which influence the pathophysiology of HAND are encouraged.

Amount:  varies
LOI:  December 6, 2010
Deadline:  January 06, 2011
Key Words: Deep Sequencing and Haplotype Profiling of Mental Disorders (Collaborative R01)
PAR-08-199
National Institute of Mental Health (NIMH)
With the initial stages of the Human Genome Project completed and new insights gained into the complex interplay of genomic function, genomic structure and the environment in mental disorders, attention is shifting towards the translational promise of the completed human sequence and a new era of genomic medicine in mental disorders. A special emphasis of this Funding Opportunity Announcement (FOA) issued by the National Institute of Mental Health (NIMH), National Institutes of Health (NIH), is to support applications that implement large-scale studies and innovative analytical designs that will disaggregate a given mental disorder into components of finite risks. These developments may be evolutionary or may be fundamentally new and may lead to paradigm shifts in the field. Applications submitted in response to this FOA may propose new technologies for cost effective whole genome analysis and in-depth sequencing and analysis of candidate genes and genomic regions in pedigrees or in a sample of unrelated cases with mental disorders. Applications for large-scale haplotype analysis and the development of new analytical methods also are encouraged.

Amount:  varies
LOI:  N/R
Deadline:  Standard application deadlines for the R01 funding mechanism are February 5, June 5, and October 5.
To learn more:  http://grants.nih.gov/grants/guide/pa-files/PAR-08-199.html
Key Words: Bioinformatics, DNA Sequencing, Genomics, Mental Disorders

Program Projects for Collaborative Research on the Basic Biology of Pluripotency and Reprogramming (P01)
RFA-GM-11-005
National Institute of General Medical Sciences (NIGMS)
National Institute of Biomedical Imaging and Bioengineering
The purpose of this initiative is to advance the fundamental understanding of the basis of pluripotency and the molecular events and mechanisms of reprogramming, including the epigenetics and epigenomics of the pluripotent and reprogrammed states. Studies should be focused on human induced pluripotent stem cells (iPSC). Comparative studies with human stem cells and/or non-human mammalian ESC, iPSC and embryo models may be included.

Amount:  $7,000,000
LOI:  November 1, 2010
Deadline:  December 1, 2010
To learn more:  http://grants.nih.gov/grants/guide/rfa-files/RFA-GM-11-005.html
Key Words:  Collaborative Research for Molecular and Genomic Studies of Behavior in Animal Models (R01)
PA-10-125
National Institute of General Medical Sciences (NIGMS)
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
The purpose of this Funding Opportunity Announcement (FOA), issued by the National Institute of General Medical Sciences (NIGMS) and the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), National Institutes of Health, is to facilitate collaborative research, involving behavioral scientists and investigators with expertise in molecular biology and/or genomics, which addresses questions about the mechanisms of behavior in animal models. Applications from multiple PIs are encouraged.

Amount:  varies
LOI:  N/R
Deadline:  Standard dates apply
To learn more:  http://grants.nih.gov/grants/guide/pa-files/PA-10-125.html
Key Words:  Maternal Behavior, Social Development, Cognitive Development, Developmental Disability, Neuroimaging, Gene-Brain-Behavior Associations
Technology Development for High-Throughput Structural Biology Research (P01) and (R01)  
PAR-10-074 and PAR-10-073  
National Institute of General Medical Sciences (NIGMS)  
This FOA issued by the National Institute of General Medical Sciences (NIGMS), National Institutes of Health, encourages grant applications from institutions/organizations that propose to develop novel technologies and methodologies underpinning high-throughput structural biology. Applications for new ideas and approaches for protein production and structure determination for classes of challenging proteins are appropriate. Projects related to high-throughput structure determination by X-ray crystallography and NMR, as well as projects addressing other constituent tasks of structural biology, including structural genomics, are relevant to this FOA.  
Amount: varies  
LOI: N/R  
Deadline: Standard dates apply  
Key Words: X-Ray Crystallography, NMR, Membrane Proteins, Small Protein Complexes

Genetic and Genomic Resources for Emerging Non-Mammalian Model Organisms (R24)  
PA-07-457  
National Institute of General Medical Sciences (NIGMS)  
NIGMS invites investigator-initiated applications for research designed to generate genetic tools and genomic resources that will enable researchers to exploit the full potential of novel or developing model systems for comparative and functional genomic studies. The typical organism to be considered should have a publicly available draft of the genomic DNA sequence with a minimum of 5X coverage. In addition, the organism should show promise as, or be, a model for basic biological, developmental, or behavioral mechanisms.  
Amount: $1,000,000  
LOI: N/R  
Deadline: Standard dates apply  
Key Words: Genetics, Genomics

NIDCR Small Research Grants for Data Analysis and Statistical Methodology applied to Genome-wide Data (R03)  
PAR-10-041  
National Institute of Dental and Craniofacial Research (NIDCR)  
This funding opportunity announcement (FOA) will support meritorious research projects that involve secondary data analyses or development of statistical methodology using existing genome-wide data, relevant to human dental or craniofacial conditions or traits.  
Amount: $300,000  
LOI: N/R  
Deadline: Standard dates apply  
Key Words: Craniofacial, Dental Conditions

Development of Multifunctional Drug and Gene Delivery Systems (R01)  
PAR-10-048  
National Institute of Biomedical Imaging and Bioengineering (NIBIB)  
National Heart, Lung, and Blood Institute (NHLBI)  
This Funding Opportunity Announcement (FOA), issued by the National Institute of Biomedical Imaging and Bioengineering and the National Heart, Lung, and Blood Institute, National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/organizations that propose the engineering of novel, multifunctional drug and gene delivery systems that can target therapies to particular cells and intracellular compartments and can monitor delivery and determine therapeutic efficacy through the integration of advanced imaging and/or sensing technologies into the delivery system. Applications should propose to develop at least one prototype system by the end of the project period. Applications that are submitted to this FOA should include investigators from both the drug/gene delivery and imaging fields. Applicants are strongly encouraged to use the Multi-PD/PI model to meet the imaging and drug/gene delivery expertise.  
Amount: varies  
LOI: 30 days before Application Due Dates  
Deadline: Standard dates apply  
Key Words: Gene Delivery, Drug Delivery
Replication, Fine-Mapping and Sequencing: Follow-Up on Genome-Wide Association Studies for Arthritis and Musculoskeletal and Skin Diseases (R01)
PAR-09-135
National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)
This Funding Opportunity Announcement (FOA), issued by the National Institute of Arthritis and Musculoskeletal and Skin Diseases, National Institutes of Health, encourages applications that propose to perform replication, fine-mapping, and sequencing studies of human genomic regions that are putatively associated with phenotypes relevant to the NIAMS mission. Genomic regions of interest are primarily those identified by genome-wide association studies (GWAS). The objective of this FOA is to enhance the identification of causal genes and genetic variants that influence complex diseases relevant to the NIAMS mission. Replication, fine-mapping, and sequencing studies are to be conducted in existing cohorts with defined phenotypes. This FOA will not support recruitment of human subjects, collection of medical or phenotypic data, studies using animal models, or the initial discovery phase of GWAS.
Amount: $700,000
LOI: June 1, 2011
Deadline: June 29, 2011
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-135.html
Key Words: GWAS, Genome-Wide Analysis, Musculoskeletal and Skin Diseases, Arthritis

NIH Small Research Grant Program (Parent R03)
PA-09-163
National Human Genome Research Institute (NHGRI)
National Institute on Drug Abuse (NIDA)
National Institute on Aging (NIA)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute of Allergy and Infectious Diseases (NIAID)
National Institute on Drug Abuse (NIDA)
The National Institutes of Health (NIH) Investigator-Initiated Small Grant (R03) funding opportunity supports small research projects that can be carried out in a short period of time with limited resources. Investigator-initiated research, also known as unsolicited research, is research funded as a result of an investigator submitting a research grant application to NIH in an investigator’s area of interest and competency. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. All investigator-initiated small grant applications described in this announcement will be assigned to NIH Institutes and Centers (ICs) according to standard Public Health Service (PHS) referral guidelines and specific program interests.
Amount: $100,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-163.html
Key Words: Small Grants

Initiative to Maximize Research Education in Genomics (R25)
PAR-09-245
National Human Genome Research Institute (NHGRI)
This funding opportunity supports two types of activities: (1) short, advanced level courses that are intended to disseminate new laboratory techniques, methods, analyses related to the mission of the NHGRI and (2) research education and training initiatives that are linked to specific NHGRI research initiatives, such as Centers of Excellence in Genomic Science (CEGS) and large-scale sequencing and database grants.
Amount: $1,500,000
LOI: Thirty (30) days before application due date
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-245.html
Key Words: Laboratory Techniques, Class Development, Genomic Science

NEI Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) for Statistical Genetics and Genome Informatics
RFA-EY-10-001
National Eye Institute (NEI)
The NEI Institutional Research Training Grants (T32) for Statistical Genetics and Genome Informatics is a Ruth L. Kirschstein National Research Service Award program that is intended to support predoctoral and postdoctoral training at institutions having the potential to develop meritorious training programs in genomic medicine, computational genomics, and statistical genetics. The goal of this program is to initiate a training program to develop ophthalmic statistical genetics and bioinformatics research skills critical for investigators,
seeking to identify genes and genetic variations underlying ocular diseases. This training program is designed to attract individuals in early career stages, in order to increase their knowledge and awareness of research in the genetics of ophthalmic disorders, and to encourage them to pursue research career opportunities in these scientific fields. Such training will help meet a growing need for investigators trained in computational genomics related to basic biomedical, clinical, and translational ophthalmic research.

**Amount:** $1,500,000  
**LOI:** N/R  
**Deadline:** May 18, 2011 and 2012  
**Key Words:** Genomic Medicine, Ocular Diseases

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**Development of Animal Models and Related Biological Materials For Research (R21)**  
**PA-10-138**  
**National Center for Research Resources (NCRR)**  
This funding opportunity announcement (FOA) issued by NCRR, National Institutes of Health, encourages research grant applications from institutions/organizations that propose to develop, characterize or improve animal models for human disease or to improve diagnosis and control diseases of laboratory animals that may interfere with research. Models to be considered must be applicable to the research interests of two or more categorical NIH Institutes/Centers. Investigators considering applying are strongly encouraged to consult with NCRR program staff as early as possible to be advised whether this FOA is appropriate. Proposals to develop models that would not have broad applications, but would apply only to a specific disease or category of research, should be proposed to the appropriate categorical institute of the National Institutes of Health (NIH), e.g., models or model systems with primary focus on cancer or heart diseases should contact those categorical institutes at NIH to discuss alternative funding opportunities.

**Amount:** $275,000  
**LOI:** N/R  
**Deadline:** Standard dates apply  
**Key Words:** Animal Models of Disease

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**Prioritizing Molecular Targets for Cancer Prevention with Nutritional Combinations (R01)**  
**PA-10-035**  
**National Cancer Institute (NCI)**  
**Office of Dietary Supplements (ODS)**  
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), and the Office of Dietary Supplements (ODS), of the National Institutes of Health (NIH), invites research applications to enhance our understanding about the dynamic interrelationship that exists between bioactive food components (and/or combinations thereof) and cancer prevention. Although much evidence exists that dietary components are linked to cancer prevention, the interactions among dietary bioactive compounds and food combinations remains under-investigated. Applications are encouraged to consider either multiple dietary bioactive components, intact foods or multiple foods utilizing physiologically relevant concentrations of the agents. New genetic technologies may be employed to study the impact of dietary components on complex cellular and molecular networks, as part of the effort to better understand the basis for the multifaceted interactions of food components with cancer prevention mechanisms. Specifically, applications that apply new high-throughput genomic, epigenomic, proteomic, and metabolomic technologies to prioritize molecular targets of dietary components are highly encouraged. The sites of action that may be evaluated include carcinogen metabolism, DNA repair, cell proliferation, apoptosis, differentiation, hormonal regulation, energetics, inflammation, and/or angiogenesis. In addition, applications should either evaluate multiple molecular targets within a cancer process or multiple processes in order to prioritize which process(es) is/are most involved in bringing about a phenotypic change. It is hoped that advances in this area may assist in optimizing cancer prevention while minimizing potential toxicity due to food components. The resulting information will help define which foods or food components should be considered in isolation or in combination when developing dietary strategies to reduce cancer risk and/or modify tumor behavior.

**Amount:** varies  
**LOI:** N/R  
**Deadline:** Standard dates apply  
**To learn more:** [http://grants.nih.gov/grants/guide/pa-files/PA-10-035.html](http://grants.nih.gov/grants/guide/pa-files/PA-10-035.html)  
**Key Words:** Dietary Components, Cancer Prevention

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**Investigational Nutrigenetic Studies for Cancer Prevention**  
**[(R01) PA-08-220] and [(R21) PA-08-221]**  
**PA-08-220 and PA-08-221**  
**National Cancer Institute (NCI)**  
**National Institute of Nursing Research (NINR)**  
**Office of Dietary Supplements (ODS)**  
This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), the National Institute of Nursing Research (NINR), and the Office of Dietary Supplements (ODS), all of the National Institutes of Health (NIH), solicits applications for research...
projects that can combine information on individual genetic variations from the Human Genome and International HapMap Projects to stimulate small pilot dietary intervention studies. The overarching goal is to examine whether genetic variants can predict individual response to dietary components that alter cancer processes and modify individual susceptibility to cancer. These studies will allow for personalization of cancer preventive dietary strategies to reduce cancer risk in genetically susceptible individuals. Associational and non-interventional epidemiologic-focused studies will not be supported in conjunction with this FOA.

Amount: varies  
LOI: N/R  
Deadline: Standard dates apply  
Key Words: Dietary Intervention, Cancer Susceptibility, Genetic Predictions

**Epigenetic Approaches in Cancer Epidemiology (R01) and (R21)**  
PA-10-031 and PA-10-032  
National Cancer Institute (NCI)  
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages research applications that propose to evaluate profiles of methylation, histone modifications and micro RNA (miRNA) and their association with risk of developing cancer in different populations. The overarching goal of this FOA is to provide support for population based studies to define the role of epigenetic markers (methylation, histone and micro RNA profiles) changes to understand cancer etiology.

Amount: varies  
LOI: N/R  
Deadline: Standard dates apply  
Key Words: Methylation, Micro RNA, miRNA, Histone

**Strategic Partnering to Evaluate Cancer Signatures [SPECS II] (U01)**  
PAR-10-126  
National Cancer Institute (NCI)  
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI) of the National Institutes of Health (NIH), encourages the submission of grant applications for support of the clinical application of multi-analyte molecular signatures derived from comprehensive molecular annotation of tumors. There is growing recognition in the clinical cancer research community that annotation of tumor specimens with data that integrates information about molecular alterations at the levels of DNA, RNA, and protein provides not only a more complete understanding of tumor biology but also provides a significant opportunity for developing new clinical tools to improve cancer treatment. Translating the knowledge gained from this molecular annotation into tools that can be used in clinical decision-making remains a major challenge. The purpose of this initiative is to build on recent demonstrations that molecular signatures correlate with important clinical parameters in cancer. The goal of this initiative is also to create publications and data sets that will be available and accessible to the scientific community in order to further the development, design, and conduct of future clinical trials (e.g., incorporation of molecular signatures into future clinical trials and large clinical validation studies) and to encourage appropriate commercialization to benefit the public health. The NCI invites investigators to form strategic partnerships that will bring together the multi-disciplinary expertise and resources needed to determine how the information derived from comprehensive molecular analyses can be used to improve patient care and, ultimately, patient outcomes.

Amount: varies  
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-126.html  
Key Words: Molecular Signatures, Diagnostic Tools, Assessment

**Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Predoctoral Training Program in Systems Biology of Developmental Biology & Birth Defects**  
PAR-10-193  
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)  
The National Institutes of Health (NIH) awards Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) to eligible institutions as the primary means of supporting predoctoral and postdoctoral research training to help ensure that a diverse and highly trained workforce is available to assume leadership roles related to the Nations biomedical, behavioral and clinical research agenda. The primary objective of the T32 program is to prepare qualified individuals for careers that have a significant impact on the health-related research needs of the Nation. This Funding Opportunity Announcement (FOA) issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) encourages applications for predoctoral NRSA T32s to provide research training in systems biology of developmental biology and/or structural birth defects research.

Amount: varies  
LOI: April 25, 2011, April 25, 2012  
Geriatrics/Aging

Limited Competition: Fogarty International Research Collaboration - Basic Biomedical (FIRCA-BB) Research Award (R03)

New
PAR-11-037
National Institutes of Health (NIH)
multiple institutes
This Funding Opportunity Announcement (FOA), the "Fogarty International Research Collaboration – Basic Biomedical (FIRCA-BB) Research Award" facilitates collaborative basic biomedical research between scientists supported by the National Institutes of Health (NIH) and investigators in low-and middle-income countries (LMIC). Special consideration will be given to proposed research that addresses significant global health problems, (particularly those of high relevance to a LMIC country or region) and that includes research capacity building as a major aim of the proposed project.
Amount: $150,000
LOI: December 10, 2010; 2011; 2012
Key Words:

Angiogenesis in the Nervous System in Health and Disease (R01) [PA-08-015] and (R21) [PA-08-016] and (R03) [PA-08-016]

PA-08-015 and PA-08-016
NIH
This Funding Opportunity Announcement (FOA) is a program announcement (PA) issued by the National Institute of Neurological Disorders and Stroke (NINDS), the National Eye Institute (NEI), the National Institute on Aging (NIA), the National Cancer Institute (NCI), and the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institutes of Health (NIH). The aim of this FOA is to invite applications to study angiogenesis in the nervous system. Specific areas of research this FOA seeks to encourage include study of the mechanisms controlling angiogenic responses to physiological and pathological stimuli, the development and patterning of nervous system vasculature, and the etiology of disorders affecting development and/or ongoing angiogenesis in nervous system vasculature.
Amount: unspecified
LOI: N/R
Deadline: Multiple dates, see announcement
Key Words:

Thyroid in Aging (R01) [PA-08-037] and (R21) [PA-08-038] and (R03) [PA-08-039]

PA-08-037
NIH
The purpose of this funding opportunity announcement (FOA) is to encourage submission of investigator-initiated research applications on the thyroid in aging. This FOA is intended to promote basic, translational, and clinical studies leading to increased understanding of the physiology of the aging thyroid and improved diagnosis and management of thyroid disease in older adults.
Amount: varies
LOI: N/R
Deadline: multiple; see announcement
Key Words:

Alzheimer's Disease Pilot Clinical Trials (R01)

PAR-08-062
NIH
This Funding Opportunity Announcement (FOA) issued by the National Institute on Aging (NIA), the National Center for Complementary and Alternative Medicine (NCCAM), and the National Institute of Nursing Research (NINR), National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/organizations that propose to initiate pilot clinical trials for treatment or prevention of MCI, AD, and/or age-related cognitive decline.

**Amount:** up to $450,000 per year for 3 years  
**LOI:** N/R  
**Deadline:** multiple, see link  
**To learn more:** [http://grants.nih.gov/grants/guide/pa-files/PAR-08-062.html](http://grants.nih.gov/grants/guide/pa-files/PAR-08-062.html)

**Key Words:** Bioengineering Research Grants (BRG)[R01]

Bioengineering Research Grants (BRG)[R01]  
PA-06-419  
National Institutes of Health (NIH), multiple institutes  
The BRGs support multi-disciplinary research performed in a single laboratory or by a small number of investigators that applies an integrative, systems approach to develop knowledge and/or methods to prevent, detect, diagnose, or treat disease or to understand health and behavior. A BRG application may propose hypothesis-driven, discovery-driven, developmental, or design-directed research.  
**Amount:** varies  
**LOI:** N/R  
**Deadline:** Standard dates apply  
**Key Words:** Imaging, Bioengineering, Arthritis, Musculoskeletal and Skin Diseases, Dental and Craniofacial, Neurological Disorders, Stroke, CAM

Chronic, Non-Communicable Diseases and Disorders Across the Lifespan: Fogarty International Research Training Award (NCD-LIFESPAN) (D43)  
PAR-10-257  
National Institutes of Health (NIH), multiple institutes  
This funding opportunity announcement (FOA) issued by the Fogarty International Center (FIC), together with the Office of Dietary Supplements (OD/ODS), the National Institute of Neurological Disorders and Stroke (NINDS), the National Institute on Drug Abuse (NIDA), the National Institute of Mental Health (NIMH), the National Institute on Aging (NIA), the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) and the National Institute of Environmental Health Sciences (NIEHS), encourages applications for the Chronic, Non-Communicable Diseases and Disorders Across the Lifespan: Fogarty International Research Training Award (NCD-LIFESPAN) D43 program for collaborative research training between institutions in the U.S. and low- and middle-income countries (LMIC), defined by the World Bank classification system. The proposed institutional research training program is expected to sustainably strengthen the research capacity of the LMIC institutions, and to train in-country experts to conduct research on chronic, non-communicable diseases and disorders across the lifespan, with the ultimate goal of implementing evidence-based interventions relevant to their countries.  
**Amount:** $1,250,000  
**LOI:** August 21, 2011, August 21, 2012  
**Deadline:** September 21, 2011, September 21, 2012  
**To learn more:** [http://grants.nih.gov/grants/guide/pa-files/PAR-10-257.html](http://grants.nih.gov/grants/guide/pa-files/PAR-10-257.html)

**Key Words:**

NIH Exploratory Developmental Research Grant Program (Parent R21)  
PA-10-069  
National Institutes of Health (NIH), multiple institutes  
The National Institutes of Health (NIH) Exploratory/Developmental Grant (R21) funding opportunity supports the development of new research activities in categorical program areas. (Support generally is restricted in level of support and in time.) Investigator-initiated research, also known as unsolicited research, is research funded as a result of an investigator submitting a research grant application to NIH in an investigators area of interest and competency. All investigator-initiated exploratory/developmental applications described in this announcement will be assigned to NIH Institutes and Centers (ICs) according to standard Public Health Service (PHS) referral guidelines and specific program interests. Investigators are strongly encouraged to consult the list of participating ICs and special research interests. The Exploratory/Developmental Grant (R21) mechanism is intended to encourage exploratory and developmental research projects by providing support for the early and conceptual stages of these projects. These studies may involve considerable risk but may lead to a breakthrough in a particular area, or to the development of novel techniques, agents, methodologies, models, or applications that could have a major impact on a field of biomedical, behavioral, or clinical research.  
**Amount:** $275,000
Research Project Grant (Parent R01)

PA-10-067

National Institutes of Health (NIH)
multiple institutes

The Research Project Grant (R01) is an award made to an institution/organization to support a discrete, specified, circumscribed project to be performed by the named investigator(s) in areas representing the specific interests and competencies of the investigator(s). The R01 research plan proposed by the applicant institution/organization must be related to the stated program interests of one or more of the NIH Institutes and Centers (ICs) based on descriptions of their programs.

Amount: varies

LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-067.html

Key Words: Investigator Initiated, Research Project Grant (Parent R01)

Medical Management of Older Patients with HIV/AIDS

PA-09-017 and PA-09-018 or PA-09-019

National Institutes of Health

This funding opportunity announcement (FOA) issued by the National Institute on Aging (NIA), the National Institute of Allergy and Infectious Diseases (NIAID), the Center for Mental Health Research on AIDS of the National Institute of Mental Health (NIMH), and the National Institute of Nursing Research (NINR) encourages Research Project Grant (R01) applications that address clinical and translational medical issues in the diagnosis and/or management of HIV infection and its consequences in older persons.

Amount: $2,500,000

LOI: N/R
Deadline: Standard dates apply

Key Words: HIV/AIDS, HIV, Aging, Older Patients

Integrative Systems Biology Approaches to Auditory Hair Cell Regeneration

PA-08-176 and PA-08-177

National Institute on Deafness and Other Communication Disorders

The National Institute on Deafness and Other Communication Disorders (NIDCD) invites grant applications using comprehensive systems biology approaches intended to restore lost auditory hair cells and their sensory function following damage to the inner ear from a variety of factors including disease, aminoglycosides, noise, and aging.

Amount: $500,000

LOI: N/R
Deadline: Standard dates apply

Key Words: Auditory Hair Cells, Hearing Loss

Transdisciplinary Research on Fatigue and Fatigability in Aging (R21) [PA-08-161]

PA-08-161 and PA-08-162

The purpose of this funding opportunity announcement (FOA) is to encourage submission of exploratory or developmental research applications on fatigue and fatigability in aging. This FOA is intended to promote research studies employing transdisciplinary
approaches that could lead to increased understanding of mechanisms contributing to, assessment of, or potential interventions for, increased fatigue or fatigability in older persons. This FOA is soliciting applications of an exploratory or developmental nature in order to stimulate new ideas, techniques, or approaches. Applications responsive to this announcement are not required to contain preliminary data, though such data may be included if available. Both animal models and humans are appropriate for study under this FOA.

**Amount:** limited to $275,000 over an R21 two-year period,

**LOI:** N/R

**Deadline:** multiple dates, see announcement


**Key Words:**

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Paul B. Beeson Patient-Oriented Research Career Development Award in Aging (K23)

RFA-AG-10-011

National Institute on Aging (NIA)

This program provides three to five years of mentored career development support to clinically trained faculty members in strong research environments who have made a commitment to focus their research endeavors on patient-oriented research. The award will enable them to gain skills and experience in aging research under the guidance of a mentor or mentors, and to establish an independent program of research in this field. Clinically trained professionals or individuals with a clinical degree who are interested in further career development in biomedical research that is not patient-oriented should refer to the Paul B. Beeson Clinical Scientist Career Development Award in Aging (K08) [AG-10-010]. The program also includes an annual meeting that allows opportunities to partner with national mentors and fellow awardees.

**Amount:** $800,001

**LOI:** December 14, 2010

**Deadline:** January 14, 2011


**Key Words:**

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Renal Function and Chronic Kidney Disease in Aging (R01) and (R21)

PA-09-165 and PA-09-166

National Institute on Aging (NIA)

This Funding Opportunity Announcement (FOA) issued by the National Institute on Aging (NIA) and the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institutes of Health, invites applications that propose basic, clinical, and translational research on chronic kidney disease (CKD) and its consequences in aging and in older persons. Applications should focus on the 1) biology and pathophysiology of CKD in animal models; 2) etiology and pathophysiology of CKD in the elderly; 3) epidemiology and risk factors for the development of CKD with advancing age; and/or 4) diagnosis, medical management and clinical outcomes of CKD in this population. Research supported by this initiative should enhance knowledge of CKD and its consequences in the elderly and provide evidence-based guidance in the diagnosis, prevention, and treatment of CKD in older persons.

**Amount:** varies

**LOI:** N/R

**Deadline:** Standard dates apply


**Key Words:** Kidney Disease, Diabetes, Aging

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Critical Illness and Injury in Aging (R03), (R01) and (R21)

PA-10-043 and PA-10-042 and PA-10-044

National Institute on Aging (NIA)

This FOA encourages Small Research Project Grant (R03) applications proposing to study mechanisms and management of critical illness and injury in aging. Studies may be mechanistic, observational, or interventional in nature. Secondary analyses of existing datasets, such as from large observational studies or clinical trials, may be proposed. Animal studies are appropriate in cases where human studies are not feasible.

**Amount:** varies

**LOI:** N/R

**Deadline:** Standard dates apply

Key Words: Injury, Aging

Bioenergetics, Fatigability, and Activity Limitations in Aging (R01) and (R21) and (R03)
PA-09-190
National Institute on Aging (NIA)
National Heart, Lung, and Blood Institute (NHLBI)
National Institute of Nursing Research (NINR)
Office of Research on Women's Health (ORWH)
Office of Dietary Supplements (ODS)
This FOA issued by the National Institute on Aging (NIA), the National Heart, Lung, and Blood Institute (NHLBI), the National Institute of Nursing Research (NINR), the Office of Research on Women's Health (ORWH), and the Office of Dietary Supplements (ODS), encourages Research Project Grant (R01) applications proposing to study bioenergetic factors underlying increased fatigability and activity limitations in aging. Increased fatigability is a significant cause of restricted physical and cognitive activity in older adults. Alterations in bioenergetics—the production and utilization of energy, and the regulation of these processes—may contribute significantly to increased fatigability. This FOA encourages applications that propose to 1) elucidate specific alterations in bioenergetics related to increased fatigability and activity limitations; 2) develop and evaluate improved measures of fatigability related to bioenergetics; 3) evaluate interventions for increased fatigability and activity limitations that target alterations in bioenergetics and lead to improved quality of life.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Aging, Fatigability, Bioenergetics

Aging Studies in the Pulmonary System (R01)
PA-10-179
National Institute on Aging (NIA)
National Heart Lung and Blood Institute (NHLBI)
The National Institute on Aging (NIA) and the National Heart Lung and Blood Institute (NHLBI) invite research project grant applications that explore age-associated changes in pulmonary physiology, pathology and function, and their relationship to respiratory conditions and diseases that occur commonly in older populations. The goal of this FOA is to support basic, clinical and translational research to address physiological mechanisms underlying progressive functional declines in the pulmonary system. This research will likely enhance our basic understanding of molecular and cellular aspects of pulmonary aging, which may translate into improvements in the prevention and management of pulmonary diseases in older persons. Projects involving in vitro studies, animal models, and/or human subjects are of significant interest to NIA and NHLBI.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-179.html
Key Words:

Mechanisms Underlying the Links between Psychosocial Stress, Aging, the Brain and the Body (R01)
PA-09-216
National Institute on Aging (NIA)
National Cancer Institute (NCI)
National Institute of Mental Health (NIMH)
This FOA encourages multidisciplinary and interdisciplinary research to elucidate the mechanistic links between psychosocial stress and health in aging, as well as how the aging process and age-related diseases affect the responses to psychosocial stressors. Generally, research should be focused on (1) aging and how neural mechanisms respond to psychosocial stress and affect other body systems, (2) characterizing the behavioral, psychological and social mechanisms and pathways involved in transducing psychosocial stressors into health outcomes, (3) how stressors modulate physiological process underlying life-span, immune mechanisms, and metabolism, and (4) how psychosocial stress contributes to the development or progression of geriatric syndromes, chronic medical conditions, and disabilities in later life. Research is strongly encouraged that aims to identify appropriate targets for intervention, at any level of analysis, from societal to molecular. Research spanning multiple levels of analysis is particularly encouraged. Research focused on oxidative stress or on environmental or physical stressors of a non-psychosocial nature is not appropriate to this FOA.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-216.html
Identification and Characterization of Molecular Targets Within the mTOR Pathway With Potential to Impact Healthspan and Lifespan (R21)

PA-10-164
National Institute on Aging (NIA)
National Cancer Institute (NCI)
This FOA issued by the National Institute on Aging and the National Cancer Institute encourages grant applications focused on: 1) identifying novel targets within the mTOR (mammalian target of rapamycin) signaling network, the manipulation of which has the potential to promote healthy aging, i.e. extend health span in the aged (NIA interest); and 2) identifying and characterizing dietary constituents that modulate the mTOR pathway and promote cancer prevention (NCI interest). Identification and characterization of targets can utilize a wide range of approaches, including medicinal chemistry, in vitro assays, and studies in lower organisms or mammalian models.

Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-164.html

Key Words: Rapamycin, mTOR, Signaling Pathways, Dietary Modifiers of mTOR

Translational Research at the Aging/Cancer Interface
((R01) PA-08-230) ((R21) PA-08-231)

PA-08-230 and PA-08-231
National Institute on Aging (NIA)
This Funding Opportunity Announcement (FOA) issued by the National Institute on Aging, National Institutes of Health, encourages research grant applications from institutions/organizations that propose translational research in the overlapping areas of human aging and cancer, linking basic and clinical research relevant to the care of older cancer patients through both “bench to bedside” and “bedside to bench” approaches. Ultimately, information from the research supported by this initiative should improve the health and well-being of elderly patients at risk for, or diagnosed with, cancer and decrease the functional impairment and morbidity associated with cancer in this population.

Amount: $350,000
LOI: N/R
Deadline: Standard dates apply

Key Words: Aging, Cancer

Mechanisms, Measurement, and Management of Pain in Aging: from Molecular to Clinical (R01), (R21) and R03)
PA-09-193, PA-09-194 and PA-09-195
National Institute on Aging (NIA)
This FOA encourages Research Project Grant (R01) applications from institutions/organizations that propose to (1) study biological, neurobiological, psychosocial, and clinical mechanisms and processes by which aging and/or age-related diseases affect the experience of pain, (2) examine biological, neurobiological, psychosocial, and clinical factors that impact pain experience and prevalence in older people, (3) evaluate existing pain assessment and/or management approaches in older adults, or (4) develop new assessment methods and/or management strategies for pain with particular attention to the needs of older adults. Studies involving animal models or human subjects are appropriate under this program announcement.

Amount: varies
LOI: N/R
Deadline: Standard dates apply

Key Words: Aging, Pain Management

The Role of Apolipoprotein E, Lipoprotein Receptors and CNS Lipid Homeostasis in Brain Aging and Alzheimer’s Disease (R01)
PA-09-217
National Institute on Aging (NIA)
This FOA encourages multidisciplinary and interdisciplinary research to elucidate how Apolipoprotein E, lipoprotein receptors and CNS lipid homeostasis influence brain aging and the transition to neurodegeneration in Alzheimer’s disease (AD). The ultimate goal is to gain an in depth understanding of the mechanisms by which the Apolipoprotein E e4 allele confers increased AD risk for the purpose of
advancing the overall search for efficacious AD treatments and Apolipoprotein E e4-directed therapeutics in particular. To this end we encourage research spanning multiple levels of analysis in multiple species (from mice to man). Studies aimed at identifying new therapeutic targets for the treatment of AD and other age-related neurodegenerative conditions associated with lipid neurobiology are strongly encouraged. Also of great interest are projects that aim to use lipidomics, various types of imaging and other cutting edge technologies to identify and develop early biomarkers of neurodegeneration associated lipid dyshomeostasis.

**Amount:** varies
**LOI:** N/R
**Deadline:** Standard dates apply
**Key Words:** Apolipoprotein, Alzheimer’s Disease

### Secondary Analyses of Existing Data Sets and Stored Biospecimens to Address Clinical Aging Research Questions (R01)
**PA-09-265**
**National Institute on Aging (NIA)**
The National Institute on Aging (NIA) invites applications to support short term projects involving secondary analysis of existing data sets or stored biospecimens, to address clinically-related issues on aging changes influencing health across the life span, and/or on diseases and disabilities in older persons.

**Amount:** $750,000
**LOI:** N/R
**Deadline:** Standard dates apply
**Key Words:** Secondary Analysis, Aging

### Clinical Trial Planning Grants for Critical Illness and Injury in Aging (R34)
**PA-10-045**
**National Institute on Aging (NIA)**
This FOA issued by the National Institute on Aging encourages Clinical Trial Planning Grant (R34) applications to develop research protocols for Phase III and IV clinical trials related to critical illness and injury in aging. The planning grant mechanism is intended to permit early peer review of the rationale and design of the proposed Phase III or IV clinical trial, and to support development of a research team, tools for data management and research oversight, recruitment strategies, detailed protocol and Manual of Procedures (MOP), and other essential components necessary for a competitive clinical trial application. This FOA is NOT designed for collecting preliminary data or conducting pilot studies in support of the scientific rationale for a clinical trial.

**Amount:** varies
**LOI:** N/R
**Deadline:** Standard dates apply
**Key Words:** Injury, Aging

### Secondary Analyses of Social and Behavioral Datasets in Aging (R03)
**PA-10-139**
**National Institute on Aging (NIA)**
This Funding Opportunity Announcement (FOA), issued by the National Institute on Aging (NIA), is seeking small grant (R03) applications to conduct secondary analysis of social and behavioral data in aging. Specifically, NIA seeks applicants to: 1) stimulate and facilitate secondary analysis of data related to dynamics of health and disability, cognition, psychosocial and sociodemographic factors, genetics, and biomarkers, long term care, caregiving, behavioral medicine, retirement, economic status; 2) provide support for preliminary projects using secondary analysis that could lead to subsequent applications for other research grant award mechanisms; 3) provide support for analyses of new databases and experimental modules for purposes such as informing the design and content of future study waves; and 4) provide support for pilot research on under-utilized databases.

**Amount:** $100,000
**LOI:** N/R
**Deadline:** Standard dates apply
**To learn more:** [http://grants.nih.gov/grants/guide/pa-files/PA-10-139.html](http://grants.nih.gov/grants/guide/pa-files/PA-10-139.html)
**Key Words:** Aging, Secondary Analysis, Existing Databases

### Alzheimer’s Disease Drug Development Program (U01)
**PA-10-205**
**National Institute on Aging (NIA)**
The objective of this solicitation is to stimulate research in the pre-clinical development and testing of novel therapeutic compounds aimed at slowing, halting, or reversing the progressive decline in cognitive function and modifying the behavioral symptoms in Alzheimer's disease (AD); or delaying the onset of or preventing AD, mild cognitive impairment (MCI), or age-related cognitive decline. This initiative is intended to stimulate activities focused on providing sufficient data to submit an Investigational New Drug (IND) application to the Food and Drug Administration to begin human clinical testing of potential new therapies. For this program neither mechanistic/basic studies nor clinical trials will be supported; only applications to develop a therapy will be accepted.

**Amount:** $4,000,000  
**LOI:** January 5th, May 5th, September 5th  
**Deadline:** Standard dates apply  
**To learn more:** [http://grants.nih.gov/grants/guide/pa-files/PA-10-205.html](http://grants.nih.gov/grants/guide/pa-files/PA-10-205.html)  
**Key Words:** 

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**Aging Research Dissertation Awards to Increase Diversity (R36)**  
**PAR-08-250**  
National Institute on Aging (NIA)  
The National Institute on Aging (NIA) announces the reissuance of a Funding Opportunity Announcement (FOA) that provides dissertation awards (R36) in all areas of research within NIA's mandate to increase diversity of the research workforce on research on aging and aging-related health conditions. These awards are available to qualified Predoctoral students in accredited research doctoral programs in the United States (including Puerto Rico and other U.S. territories or possessions).

**Amount:** $250,000  
**LOI:** N/R  
**Deadline:** Standard dates apply  
**To learn more:** [http://grants.nih.gov/grants/guide/pa-files/PAR-08-250.html](http://grants.nih.gov/grants/guide/pa-files/PAR-08-250.html)  
**Key Words:** Geriatrics, Gerontology

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**Alzheimer's Disease Drug Development Program (U01)**  
**PAR-08-266**  
National Institute on Aging (NIA)  
The objective of this solicitation is to stimulate research in the pre-clinical development and testing of novel therapeutic compounds aimed at slowing, halting, or reversing the progressive decline in cognitive function and modifying the behavioral symptoms in Alzheimer's disease (AD); or delaying the onset of or preventing AD, mild cognitive impairment (MCI), or age-related cognitive decline. This initiative is intended to stimulate activities focused on providing sufficient data to submit an Investigational New Drug (IND) application to the Food and Drug Administration to begin human clinical testing of potential new therapies. For this program neither mechanistic/basic studies nor clinical trials will be supported; only applications to develop a therapy will be accepted.

**Amount:** $4,000,000  
**LOI:** January 3, 2011, February 1, 2011, September 1, 2011 and October 3, 2011. (Note: The October and February letters of receipt dates are for amended applications only).  
**Deadline:** February 1, 2011, March 1, 2011, October 1, 2011 and November 1, 2011. (Note: The November and March receipt dates are for amended applications only).  
**To learn more:** [http://grants.nih.gov/grants/guide/pa-files/PAR-08-266.html](http://grants.nih.gov/grants/guide/pa-files/PAR-08-266.html)  
**Key Words:** Alzheimer's Disease, Cognitive Function, Cognitive Impairment

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**Promoting Careers in Aging and Health Disparities Research (K01)**  
**PAR-09-136**  
National Institute on Aging (NIA)  
The purpose of this FOA, "Promoting Careers In Aging and Health Disparities Research (K01)" is to provide support and protected time to eligible individuals who have been determined by the grantee institution to be committed to a career in health disparities research related to aging and who are members of or knowledgeable about health disparity population groups. Nationally, health disparity population groups include but are not limited to African Americans, Hispanic Americans, American Indians/Alaska Natives, Native Hawaiians, Pacific Islanders, the medically underserved, low socioeconomic populations and rural populations.

**Amount:** $750,000  
**LOI:** N/R  
**Deadline:** Standard dates apply  
**Key Words:** Aging, Community Health, Rural Health, Health Disparities

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**Research on Clinical Decision Making in People with or at Risk for Life-Threatening Illness (R01) and (R21)**  
**PA-09-122 and PA-09-121**  
National Institute of Nursing Research (NINR)
National Cancer Institute (NCI)

This funding opportunity announcement (FOA) issued by the National Institute of Nursing Research (NINR) and the National Cancer Institute (NCI), National Institutes of Health, seeks to stimulate research on the decision-making processes made by persons at risk for and those faced with life-threatening illness. These illnesses are ones that almost always lead to death in a fairly short period of time if left untreated, but may be chronic or even cured if dealt with early in the disease process. An example of a life-threatening illness that may be chronic for some years would be HIV infection when treated. An example of a life-threatening illness that may be cured in its early stages would be breast cancer. Decision-making can occur from the point of adopting preventive behaviors through the end of life. Examples of such decisions could include participating in an HIV vaccine clinical trial, testing for genetic disorder, choosing a treatment intervention vs. watchful waiting (as in early stage prostate cancer), choosing a treatment intervention among several options, joining a therapeutic clinical trial, or making end-of-life care decisions.

Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Nursing Research, Cancer Control, Life-Threatening Decision Making Caregivers, Palliative Care

Mouse Models Containing Human Alleles: Novel Tools to Study Brain Function (R21/R33)
PAR-08-158
National Institute of Mental Health
National Institute on Aging
National Institute on Alcohol Abuse and Alcoholism
National Institute on Drug Abuse

This Funding Opportunity Announcement invites Phased Innovation (R21/R33) grant applications from organizations/institutions that propose the development and characterization of novel mouse models that express human genes or human genetic elements that can aid in understanding the molecular mechanisms underlying brain function and the physiological function/significance of gene variants and gene dosage abnormalities that have been identified as possibly being involved in mental disorders, addiction, neurodegenerative disorders of aging, and alcoholism as well as related comorbid conditions.

Amount: $150,000
LOI: 30 days prior to application receipt date
Deadline: multiple dates (January 28, 2011)
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-158.html
Key Words: Animal Models

Development and Characterization of Animal Models for Aging Research (R01) and (R21)
PA-10-014 and PA-10-015

Development and Characterization of Animal Models for Aging Research (R01)

The purpose of this announcement is to describe areas of research of particular interest to the National Institute on Aging. This FOA seeks to promote research that develops, characterizes, refines and enhances model systems for aging research, including but not limited to animal models, cell lines, and informatics. This FOA issued by the National Institute on Aging, National Institutes of Health, encourages Research Project Grant (R01) applications that propose to: characterize aging at the physiological, biochemical and functional levels in existing animal models, including but not limited to animal models currently used in other scientific fields that have potential to benefit aging research; develop new animal models for aging research; develop unique cell lines for aging research; use comparative biology to identify models of highest priority for aging research; or develop informatics that enhance the utilization of animals for aging research.

Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Animal Models, Aging, Geriatric

Heart and Vascular

Clinical Research Program
New
American Heart Association

Encourages early career investigators who have appropriate and supportive mentoring relationships to engage in high quality introductory and pilot clinical studies that will guide future strategies for reducing cardiovascular disease and stroke while fostering new research in clinical and translational science, and encouraging community- and population-based activities.
AHA/CCF Pediatric Cardiomyopathy Research Award

New
American Heart Association
The Children's Cardiomyopathy Foundation (CCF) has partnered with the AHA to establish a research award for investigators conducting research related to pediatric cardiomyopathy. The award supports basic, clinical, population or translational research relevant to the diagnosis, causes or treatment of cardiomyopathy (dilated, hypertrophic, restrictive, arrhythmogenic right ventricular, left ventricular non-compaction) in children under 18 years old.

Amount: $110,000  
LOI: N/R  
Deadline: January 21, 2011  
To learn more: [http://www.americanheart.org/presenter.jhtml?identifier=9215](http://www.americanheart.org/presenter.jhtml?identifier=9215)

Key Words:

Midwest Affiliate Research Awards

New
American Heart Association
Predoctoral Fellowship
Helps students initiate careers in cardiovascular and stroke research by providing research assistance and training.

Undergraduate Student Research Fellowship
Encourages promising students from all disciplines, including women and members of minority groups underrepresented in the sciences, to consider research careers while supporting the highest quality scientific investigation broadly related to cardiovascular disease and stroke.

Fellow-to-Faculty Transition Award
Provides funding for trainees with outstanding potential for careers as physician-scientists in cardiovascular or stroke research during the crucial career development from the completion of research training through the early years of the first faculty/staff position.

Postdoctoral Fellowship
Helps trainees initiate careers in cardiovascular and stroke research while obtaining significant research results under the supervision of a sponsor or mentor; supports individuals before they are ready for some stage of independent research.

Scientist Development Grant
Supports highly promising beginning scientists in their progress toward independence by encouraging and adequately funding research projects that can bridge the gap between completion of research training and readiness for successful competition as an independent investigator.

Grant-In-Aid
Encourages and adequately funds the most innovative and meritorious research projects from independent investigators.

Amount: varies
LOI: N/R
Deadline: January 21, 2011; February 8, 2011 for Undergraduate Student Fellowship Program
To learn more: [http://www.americanheart.org/presenter.jhtml?identifier=9713](http://www.americanheart.org/presenter.jhtml?identifier=9713)

Key Words:

Angiogenesis in the Nervous System in Health and Disease

(R01) [PA-08-015] and (R21) [PA-08-016]

PA-08-015 and PA-08-016

NIH
This Funding Opportunity Announcement (FOA) is a program announcement (PA) issued by the National Institute of Neurological Disorders and Stroke (NINDS), the National Eye Institute (NEI), the National Institute on Aging (NIA), the National Cancer Institute (NCI), and the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institutes of Health (NIH). The aim of this FOA is to invite applications to study angiogenesis in the nervous system. Specific areas of research this FOA seeks to encourage include study of the mechanisms controlling angiogenic responses to physiological and pathological stimuli, the development and patterning of nervous system vasculature, and the etiology of disorders affecting development and/or ongoing angiogenesis in nervous system vasculature.

Amount: unspecified
LOI: N/R
Deadline: Multiple dates, see announcement
Non-Invasive Methods for Diagnosis and Progression of Diabetes, Kidney, Urological, Hematological and Digestive Diseases and Hypertensive Disorders (R01)
PA-09-181
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Heart Lung and Blood Institute (NHLBI)
This Funding Opportunity Announcement (FOA) is a call for the application of imaging and other non- or minimally-invasive technologies to detect, characterize, diagnose, identify persons with predisposition to, or monitor treatment of diseases of interest to the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the National Heart Lung and Blood Institute (NHLBI) of the National Institutes of Health (NIH). Also needed are new, robust surrogate markers for clinical trial endpoints, and new ways to characterize normal and pathological tissues in vivo. Diseases of interest include type 1 and 2 diabetes; acute and chronic kidney disease, liver, urologic, hematologic, digestive, endocrine, and metabolic diseases and their complications; obesity; obesity-related hypertension, hypertension, renal and vascular disorders leading to hypertension. Applicable techniques include molecular imaging and functional imaging approaches, imaging methods with high spatial, chemical or time resolution, metabolomics, proteomics, genomics, or new spectroscopic or sensor array technologies for monitoring metabolic or physiological events.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-181.html
Key Words: Diabetes, Kidney Disease, Type I, Type II

Nutrition and Physical Activity Research to Promote Cardiovascular and Pulmonary Health (R01) and (R21)
PA-09-243 and PA-09-244
National Heart, Lung, and Blood Institute (NHLBI)
National Center for Complementary and Alternative Medicine (NCCAM)
National Institute of Nursing Research (NINR)
This FOA encourages Research Project Grant (R01) applications that propose research on the roles of nutrition and physical activity in the development, prevention, and management of cardiovascular diseases (CVD) or pulmonary diseases. In particular, the FOA aims to (1) improve knowledge of the contribution of diet and physical activity to these conditions and how sleep influences these relationships, (2) increase the evidence base for refining public health recommendations and clinical guidelines regarding these lifestyle behaviors, and (3) develop and test strategies to improve the adoption of these recommendations.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Sleep, Physical Activity, Cardiovascular Disease

NHLBI Clinical Trial Pilot Studies (R34)
PAR-10-005
National Heart, Lung, and Blood Institute (NHLBI)
The National Heart, Lung, and Blood Institute (NHLBI) (http://www.nhlbi.nih.gov) invites applications proposing pilot studies to obtain data that is critical for the design of robust clinical trials. This Funding Opportunity Announcement (FOA) should be used to fill gaps in scientific knowledge necessary to develop a competitive full-scale clinical trial. Appropriate pilot studies might demonstrate feasibility of an intervention or an experimental design, estimate intervention parameters, or gather other data important for the design of a trial. Applicants who propose solely to write a protocol or manual of operations or to develop infrastructure for a clinical trial will not be considered appropriate for to this announcement. Applications must demonstrate that the proposed pilot studies are both necessary and sufficient to permit the design of the clinical trial.
Amount: $450,000
LOI: 30 days prior to standard application due dates
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-005.html
Key Words: Clinical Trials, Heart, Lung, Blood, or Sleep Disorders

Directed Stem Cell Differentiation for Cell-Based Therapies for Heart, Lung, and Blood Diseases (R21)
PA-09-248
National Heart, Lung, and Blood Institute (NHLBI)
This funding opportunity announcement (FOA) encourages Exploratory/Developmental (R21) grant applications from applicant organizations that propose to define the factors and mechanisms controlling the differentiation of embryonic or adult stem or progenitor cells, either in vitro or in vivo. It is designed to stimulate new scientific advances in stem cell differentiation including technology research that may not be hypothesis driven. The long range goal of this program is the development of methods to direct the differentiation or development of stem cells along specific cell lineages to yield replacement cells for clinical use, whether the replacement cells are formed in vitro for delivery or formed in vivo in the tissue or organ environment.

Amount: $275,000
LOI: N/R
Deadline: Standard dates apply

Key Words: Progenitor Cells, Stem Cell Differentiation

**New Approaches to Arrhythmia Detection and Treatment (SBIR [R43/R44]) and (STTR [R41/R42])**

PA-10-117 and PA-10-118

National Heart, Lung, and Blood Institute (NHLBI)

This Funding Opportunity Announcement (FOA) encourages Small Business Innovation Research (SBIR) grant applications from small business concerns (SBCs) that propose to improve our ability to detect, prevent, and treat all forms of cardiac arrhythmias. This initiative encourages SBCs to develop improved diagnostic and therapeutic tools, products, or devices for cardiac arrhythmia monitoring, detection and treatment.

Amount: up to $1,200,000
LOI: N/R
Deadline: Standard dates apply

Key Words: Cardiac Arrhythmia

**NHLBI Systems Biology Collaborations (R01)**

PAR-09-214

National Heart, Lung, and Blood Institute (NHLBI)

This FOA issued by the National Heart, Lung, and Blood Institute (NHLBI), National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/organizations that propose collaborative systems biology research projects by multi-disciplinary teams to advance our understanding of normal physiology and perturbations associated with heart, lung, blood, and sleep (HLBS) diseases and disorders. Multi-disciplinary expertise across experimental and computational domains is required and the multi-PI mechanism is allowed, as integration across these domains is a critical element of the proposed research plan.

Amount: varies
LOI: December 14, 2010; August 14, 2011; December 14, 2011
Deadline: January 13, 2011; September 14, 2011; January 13, 2012

Key Words: Heart, Lung, Blood and Sleep Disorders

**Research Dissemination and Implementation Grants (R18)**

PAR-10-114

National Heart, Lung, and Blood Institute (NHLBI)

The purpose of this Funding Opportunity Announcement (FOA) is to support dissemination and implementation studies to (1) develop innovative approaches to translating efficacious treatments and effective prevention modalities for heart, lung, and blood diseases and sleep disorders to the clinic, community, and/or other real-world settings; (2) test the effectiveness, sustainability, determinants, and cost-effectiveness of these approaches in real-world settings; and (3) examine the effectiveness of interventions as they are disseminated and implemented in real-world settings to reduce risk factors for and enhance prevention and treatment of heart, lung, and blood diseases and sleep disorders. Mechanism of Support. This FOA will utilize the NIH Research Demonstration and Dissemination Project (R18) grant mechanism. Funds Available and Anticipated Number of Awards. Awards issued under this FOA are contingent upon the availability of funds and the submission of a sufficient number of meritorious applications.

Amount: varies
LOI: thirty days prior
Deadline: Standard dates apply

Key Words: Comparative Effectiveness, Asthma, Hypertension, Blood Lipids, Smoking, Myocardial Infarction, Cerebrovascular Disease, Stroke, Sleep Apnea, Emphysema, Cystic Fibrosis, Occupational Lung Disease, Pulmonary Vascular Disease

**NHLBI Program Project Applications (P01)**

PAR-10-285
This Funding Opportunity Announcement (FOA), issued by the National Heart, Lung, and Blood Institute (NHLBI) continues the long standing program project program detailed at http://www.nhlbi.nih.gov/funding/resmech.htm and invites submission of investigator-initiated Program Project (P01) applications. The proposed programs may address scientific areas relevant to the NHLBI mission including the biology and diseases of the heart, blood vessels, lung, and blood; blood resources; and sleep disorders. Each P01 application submitted in response to this FOA must include at least three related research projects that share a common central theme, focus, and/or overall objective.

Amount: $7,575,000
LOI: see program announcement
Deadline: Standard dates apply
Key Words:

Ancillary Studies in Clinical Trials (R01)
RFA-HL-10-024
National Heart, Lung, and Blood Institute (NHLBI)
The purpose of this Funding Opportunity Announcement (FOA) is to solicit research grant applications to conduct time-sensitive ancillary studies related to heart, lung, and blood diseases and sleep disorders in conjunction with ongoing clinical trials and other large clinical studies supported by NIH or non-NIH entities. The program establishes an accelerated review/award process to support the crucial time frame in which these ancillary studies must be performed. Time-sensitive ancillary studies include those that require active longitudinal data collection and thus need to begin recruiting subjects as close as possible to the start of the parent study. The ancillary study can address any research questions related to the mission of NHLBI for which the parent study can provide participants, infrastructure, and data. The parent studies most often will be a clinical trial, but also can be an observational study or registry that can provide a sufficient cohort of well-characterized patients. Each ancillary study application must demonstrate the time-sensitive nature of the proposal and must explicitly address why an expedited review is essential to its feasibility.

Amount: $1,000,000
LOI: December 28, 2010
Deadline: January 28, 2011
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-10-024.html
Key Words: Clinical Trials

Heart Failure Clinical Research Network Coordinating Center (U10)
Regional Clinical Centers (RCCs) (U10)
RFA-HL-12-002 and RFA-HL-12-001
National Heart, Lung, and Blood Institute (NHLBI)
The purpose of this solicitation is to request new applications for participation in continuation of the Heart Failure Clinical Research Network as the combined Data Coordinating Center/Clinical Coordinating Center (CC). A separate solicitation (RFA-HL-12-001) seeks applications for the Regional Clinical Centers (RCCs). The original Network was established to provide a mechanism to expedite clinical research that evaluates strategies to diagnose, manage and treat all forms of heart failure (HF). The renewal program will continue to provide support to develop, coordinate, and conduct multiple collaborative randomized clinical trials (RCTs) to improve HF outcomes. The focus is on small to intermediate-sized concurrent RCTs that can be completed within 2-5 years and the program is not designed to fund large, Phase III definitive studies. Proposed studies should provide clinically relevant pathophysiologic information and move the field of HF treatment forward. The Coordinating Center of the Network leads and manages all aspects of these RCTs, including those of a Data Coordinating Center, as well as those of a Clinical Coordinating Center. The two functions (Data Coordination and Clinical Coordination) should be performed at the same institution. A Multiple PI structure to facilitate implementation of all CC functions is highly encouraged. The solicitation is open to new and currently participating centers.

Amount: up to $33,600,000
LOI: November 1, 2010
Deadline: December 1, 2010
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-12-002.html
Key Words:

Investigator Initiated Multi-Site Clinical Trials (Collaborative R01)
PAR-10-096
National Heart, Lung, and Blood (NHLBI)
The purpose of this Funding Opportunity Announcement is to provide a vehicle for submitting grant applications for investigator-initiated multi-site Phase II or Phase III randomized, controlled clinical trials. The trials may address any research question related to the mission and goals of NHLBI and may test clinical or behavioral interventions.

Amount: varies
LOI: N/R
NHLBI Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral MD/PhD Fellows (F30)
PA-09-232
National Heart, Lung and Blood Institute (NHLBI)
The National Heart, Lung, and Blood Institute (NHLBI) is interested in supporting individual predoctoral fellowships for combined MD/PhD training in research areas relevant to the mission of the NHLBI. The NHLBI mission is to provide leadership for national programs in diseases of the heart, blood vessels, lung, and blood; blood resources; and sleep disorders.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: MD/PhD Fellowships

Immunology

Chronic Fatigue Syndrome: Pathophysiology and Treatment
{(R01) PA-08-246} and {(R21) PA-08-247}
PA-08-246 and PA-08-247
Office of Research on Women's Health
National Center for Complementary and Alternative Medicine
National Institute on Aging
National Institute on Alcohol Abuse and Alcoholism
National Institute of Allergy and Infectious Diseases
National Institute of Arthritis
This Funding Opportunity Announcement (FOA) issued by the Office of Research on Women's Health (ORWH) and co-sponsoring Institutes and Centers (ICs) of the National Institutes of Health (NIH) encourages investigator(s)-initiated applications that propose to examine the etiology, diagnosis, pathophysiology, and treatment of chronic fatigue syndrome (CFS), also known as myalgic encephalomyelitis (ME/CFS) in diverse groups and across the lifespan. Innovative applications that address gaps in the understanding of the environmental and biological risk factors, the determinants of heterogeneity among patient populations, and the common mechanisms influencing the multiple body systems that are affected in CFS are encouraged. The NIH is particularly interested in funding interdisciplinary research that will enhance our knowledge of the disease process and provide evidence based solutions to improve the diagnosis, treatment, and quality of life of all persons with CFS. This FOA will utilize the NIH Research Project Grant (R01) award mechanism and runs in parallel with a FOA of identical scientific scope, PA-08-247, that encourages applications under the NIH Exploratory/Developmental (R21) grant mechanism.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Myalgic Encephalomyelitis, Chronic Fatigue Syndrome, CFS

Enhancing Tumoricidal Activity of Natural Killer (NK) Cells by Dietary Components for Cancer Prevention (R01)
[PA-08-131] and [R21] [PA-08-132]
PA-08-131 and PA-08-132
NIH
This funding opportunity announcement (FOA) is designed to stimulate research efforts aimed at establishing the physiological significance of dietary components in modulating the tumoricidal cell activity of natural killer (NK) cells for cancer prevention. The focus of research projects proposed in response to this FOA should be on defining the minimum quantity and duration of exposure to specific dietary components to modulate tumoricidal cell activity of NK cells for cancer prevention and the underlying mechanism(s) accounting for this response. Proposed projects must include animal and/or human investigations to be considered responsive to this announcement. Highly purified populations of immune cells, specific tumor cells such as RMA-S that lack class I MHC expression, target cell-free system, or single-cell assays may be used to define the molecular basis for the diet-induced changes in tumoricidal activity. However, the in vitro studies are only to be used to support in vivo studies and should not constitute the primary focus of the application. Molecular targets for food components may be examined at the sites of the tumoricidal cell receptors and cancer cell specific ligands, the output of tumoricidal cytokines (e.g., IFN-g), and the release of lytic granules such as a granulysin, perforin, and serine proteases (granzymes).
Amount: varies
Unique Interactions Between Tobacco Use and HIV/AIDS

**[(R01) PA-08-253] and [(R03) PA-08-254]**

PA-08-253 and PA-08-254
National Institute on Drug Abuse (NIDA)
Fogarty International Center (FIC)
The purpose for this FOA issued by the National Institute on Drug Abuse and the Fogarty International Center encourages Research Project Grant (R01) applications from institutions/organizations that propose to stimulate research related to the unique, interactive health effects of cigarette smoking and HIV/AIDS.
**Amount:** unspecified
**Deadline:** Standard dates apply
**Key Words:** Smoking, AIDS/HIV

Mechanisms of Alcohol-Induced Tissue Injury (R01)

PA-08-164
National Institute on Alcohol Abuse and Alcoholism
National Heart, Lung, and Blood Institute
The National Institute on Alcohol Abuse and Alcoholism (NIAAA), National Heart Lung and Blood Institute (NHLBI), National Institutes of Health (NIH), solicit the submission of investigator-initiated research grant applications to support research investigating the Mechanisms of Alcohol Induced Tissue Injury in diverse groups and across the life span.
**Amount:** $250,000
**Deadline:** Standard dates apply
**To learn more:** [http://grants.nih.gov/grants/guide/pa-files/PA-08-164.html](http://grants.nih.gov/grants/guide/pa-files/PA-08-164.html)
**Key Words:** Alcohol, Tissue Damage, Alcohol Disease

Dynamics of Host-Associated Microbial Communities (R01)

RFA-GM-12-001
National Institute of General Medical Sciences (NIGMS)
This Funding Opportunity Announcement (FOA) issued by the National Institute of General Medical Sciences (NIGMS), National Institutes of Health (NIH), solicits applications that propose genetic, physiological, and ecological studies designed to reveal the basic principles and mechanisms that govern the symbiotic systems dynamics of microbial communities.
**Amount:** $1,250,000
**Deadline:** Standard dates apply
**To learn more:** [http://grants.nih.gov/grants/guide/rfa-files/RFA-GM-12-001.html](http://grants.nih.gov/grants/guide/rfa-files/RFA-GM-12-001.html)
**Key Words:**

Erythropoiesis: Components and Mechanisms (R01)

PA-09-255
National Institute of Diabetes and Digestive and Kidney Diseases
National Heart, Lung, and Blood Institute (NHLBI)
National Institute on Aging (NIA)
This FOA issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) the National Institute of Aging (NIA), and the National Heart, Lung, and Blood Institute (NHLBI), National Institutes of Health, encourages investigator-initiated R01 applications that propose hypothesis-driven research using erythroid cells. The aim of this program is to support research efforts towards a complete description of the molecular and cellular components of erythropoiesis and how these components contribute to erythropoiesis. Components include genes that are expressed (transcriptome) in erythroid cells, either during development or during differentiation, and the proteins (proteome) that are translated in erythroid cells, especially with post-translational modifications or subcellular localizations that are unique to erythroid cells. A long range goal of this program is to generate a concise description of erythropoiesis that unifies genetics, molecular processes and cytokine determinants in the erythroid lineages so that new therapeutics may be developed to measure and combat anemia.
Investigations on Primary Immunodeficiency Diseases (R01)
PAR-08-206
National Institute of Allergy and Infectious Diseases (NIAID)
The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Institute of Neuro
This FOA supports applications from institutions/organizations that propose innovative investigations in primary immunodeficiency diseases with a focus on ex vivo studies with human specimens and on studies with existing or new animal models. This FOA will also support novel clinical strategies, not including clinical trials, to detect primary immunodeficiency diseases, to identify the molecular basis of these diseases, and to develop innovative therapies for primary immunodeficiency diseases. Investigators who have no prior history of receiving independent NIH funding in this field are encouraged to apply.
Amount: unspecified
LOI: 30 days prior to submission
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-206.html
Key Words: Immunodeficiency Diseases

Small Grants on Primary Immunodeficiency Diseases (R03) and (R21)
PA-10-147 and PA-10-148
National Institute of Allergy and Infectious Diseases (NIAID)
National Institute of Child Health and Human Development (NICHD)
The purpose of this Funding Opportunity Announcement (FOA) is to support small grants in primary immunodeficiency diseases focusing on ex vivo studies with human specimens and on studies with current or new animal models, including novel clinical strategies for detecting, identifying the molecular basis of, or developing innovative therapies for primary immunodeficiency diseases.
Amount: $50,000
LOI: N/R
Deadline: Standard dates apply
Key Words: Animal Models of Immunodeficiency Diseases

Ancillary Studies in Immunomodulation Clinical Trials (R01)
RFA-AI-10-014
National Institute of Allergy and Infectious Diseases (NIAID)
National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)
National Institute of Neurological Disorders and Stroke (NINDS)
National Institute of Diabetes and Digestive and Kidney Diseases
This FOA invites R01 applications for mechanistic studies in clinical trials of: (1) immunomodulatory interventions for immune system mediated diseases, including, but not limited to: asthma and allergic diseases; graft rejection in solid organ, cell, and tissue transplantation; graft versus host disease in hematopoietic stem cell transplantation; and chronic inflammatory, autoimmune, and immunodeficiency diseases; and (2) preventative and therapeutic, vaccines for non-HIV/AIDS infectious diseases, including NIAID Category A, B, and C agents of bioterrorism and emerging/re-emerging infectious diseases.
Amount: $1,000,000
LOI: Thirty days prior to application receipt date
Deadline: March 9, 2011
Key Words:

NIAID Clinical Trial Planning Grant (R34), (U01) and (R01)
PAR-10-185 and PAR-10-186 and PAR-10-184
National Institute of Allergy and Infectious Diseases (NIAID)
This Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID) invites applications that propose the complete planning, design, and preparation of documentation necessary for implementation of
investigator-initiated clinical trials. The trials must be hypothesis-driven, milestone-defined, related to the research mission of the NIAID and considered high priority by the Institute. Investigators are encouraged to visit the NIAID website for additional information about the research mission and high-priority research areas of the NIAID http://www3.niaid.nih.gov/about/whoWeAre/planningPriorities/.

Amount: varies with award mechanism
LOI: N/R

Integrated Preclinical/Clinical AIDS Vaccine Development Program (IPCAVD) (U19)
PAR-10-161
National Institute of Allergy and Infectious Diseases (NIAID)
The goal of this Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID) is to facilitate the translation of innovative and promising basic science-derived vaccine concepts for prophylactic HIV vaccines to initial clinical trials by providing the critical resources necessary for achieving this goal. The Integrated Preclinical/Clinical AIDS Vaccine Development Program (IPCAVD) is a mechanism that enables investigators to conduct clinical research studies aimed at addressing specific scientific questions and vaccine concepts most appropriately tested in humans. To fulfill this goal, an IPCAVD award is intended to provide assistance to meritorious competitive projects in 3 areas: (1) support for basic hypothesis-driven science to advance development of the vaccine concept by facilitating non-human primate (NHP) proof-of-concept studies and down-selection to the best lead candidate; (2) access to resources for determining whether the vaccine concept is clinically feasible by determining whether a candidate vaccine successfully addresses FDA requirements for performing clinical testing, by determining the feasibility of manufacturing cGMP lots of the vaccine and by determining vaccine safety by conducting the required toxicology and pharmacology safety studies; and (3) support for the initial human clinical study central to addressing the proposed scientific question.

Amount: $12,500,000
LOI: October 7, 2011; October 9, 2012
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-161.html

Key Words: Vaccine Trials, HIV/AIDS

Chemical And Biological Technologies Directorate New Initiatives Fy2012-2013 Program
HDTTRA1-12-CHEM-BIO-BAA
Defense Threat Reduction Agency
This solicitation is an extramural endeavor focused on applied research and advanced technology development objectives encompassing a broad spectrum of topics in the chemical and biological science to include Physical Science and Technology, Medical Science and Technology, including the Transformational Medical Technologies, Threat Agent Science, and Information Systems Capabilities Development topics.

Amount: $200,000-$40,000,000
LOI: Phase I Proposal (Quad Chart/White Paper): September 28, 2010
Deadline: December 16, 2010; multiple calls are possible BAA remains open for 3 years
To learn more: https://www.fbo.gov/index?s=opportunity&mode=form&id=468970a63a78c4cb36bba651f9ccdd91&tab=core&_cview=0

Key Words: Threat Agent Science, Chemical and Biological Agent Properties and Binding, Biological Agent Fate, Characterization of Isolates, Toxicological Mechanisms of Select Agents, Advanced Warning, Analysis and Reporting, Integrating Biosurveillance Data for Disease Spread Models, Biological Pretreatments, Francisella tularensis, Burkholderia, Brucella, Vaccines, Vaccine Adjuvants, Alternative Delivery Mechanisms, Human Immune Response to Biodefense Vaccine Candidates

Funding
Broad Foundation, Eli and Edythe L.
Broad Medical Research Program (BMRP)
Research grants are available for innovative proposals that will lead to improvements in the prevention, diagnosis, or therapy of Crohn's disease or ulcerative colitis, two types of inflammatory bowel disease (IBD). The program is interested in funding clinical or basic IBD research projects that are innovative; are in the early stages of exploration; will improve diagnosis, therapy, or prevention of IBD in the near future; and will lead to longer-term funding by more traditional granting agencies.

Amount: unspecified
LOI: The first step in applying is to submit a Letter of Interest (LOI)
Deadline: Continuous
Aerospace Medicine and Human Performance Integration Research

BAA-09-01-RH

Air Force Research Laboratory Human Effectiveness Directorate

The Human Effectiveness Directorate of the Air Force Research Laboratory (AFRL) is soliciting white papers under this announcement for innovative technologies and scientific and programmatic services to support aerospace medicine and human performance integration research. This is a 5-year, open-ended BAA, under which the 711th Human Performance Wing seeks to identify novel medical and human systems integration research. The 711th HPW includes two Defense Health Program (DHP)-funded mission elements: (1) The United States Air Force School of Aerospace Medicine (USAFSAM), and (2) the Human Performance Integration Directorate (711th HPW/HP).

(1) The United States Air Force School of Aerospace Medicine (USAFSAM) is an international center for education, training, consultation, research and technology evaluation in hazard mitigation, public health, contingency operations, performance enhancement, human systems integration, and clinical aerospace medicine disciplines including aeromedical evacuation. (See pages 5-7 of program description.)

Some topics of interest:
- rapid pathogen ID and detection
- novel use of non-pharmaceutical therapeutics (probiotics, immunomodulatory nutrients?)
- workplace hazards, contaminants, particulate matter
- wound care/healing
- infection control
- organ failure
- pain control
- ID and surveillance of physical, chemical, infections agents
- improved specimen collection, storage, shipment and/or processing
- medical response capabilities and standards
- medical responses to disasters centered around the interface between military and non-military responders
- epidemiological studies
- improved IT capability for surgical application and database management
- doppler bubble and trans-esophageal echocardiograms to ID patent foramen ovale

Amount: $250,000-$500,000

LOI: White Papers should be submitted through the UNMC Office of Research, Paula Turpen, PhD Director or Research Resources

Deadline: continuous until April 15, 2014

To learn more: https://www.fbo.gov/index?s=opportunity&mode=form&tab=core&id=57284ba19b9c2168128b1f62bee6b667&cview=0

Key Words: Digestive Diseases and Disorders, Gastroenterology, Inflammatory Bowel Disease

Infectious Disease/Biopreparedness

HIV Infection of the Central Nervous System (R01)

New

PA-11-014

National Institutes of Health (NIH)
multiple institutes

The National Institute of Mental Health (NIMH), National Institute on Alcohol Abuse and Alcoholism (NIAAA), National Institute on Drug Abuse (NIDA), and the National Institute of Neurological Disorders and Stroke (NINDS) invite research grant applications focused on defining the pathogenic mechanisms involved in Human Immunodeficiency Virus (HIV)-1 Associated Neurocognitive Disorders (HAND) and, identifying therapeutic strategies to treat and prevent the neurobehavioral and neurological effects of HIV-1 on the central nervous system (CNS). Applications ranging from basic research to clinical diagnosis and treatment in domestic and international settings are of interest. Multidisciplinary research teams and collaborative alliances are encouraged but not required.

Amount: varies

LOI: N/R

Deadline: January 7, 2011

To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-11-014.html

Pre-Application for the 2011 NIDA Avant-Garde Award Program for HIV/AIDS Research (X02)
**2011 NIDA Avant-Garde Award Program for HIV/AIDS Research (DP1)**

**New**

PAR-10-287 and RFA-DA-11-002  
National Institute on Drug Abuse (NIDA)

The NIDA Avant-Garde Award Program for HIV/AIDS Research is meant to complement NIDAs traditional investigator-initiated grant programs by supporting individual scientists of exceptional creativity who propose high-impact research that will open new avenues for prevention and treatment of HIV/AIDS among drug abusers. The term avant-garde is used to describe highly innovative approaches that have the potential to be transformative open new areas of research or lead to new avenues of treatment and prevention for HIV/AIDS among drug abusers. The proposed research should reflect ideas substantially different from those already being pursued by the investigator or others. The research proposed must be in an area described in the Trans NIH Plan for HIV-Related Research http://www.oar.nih.gov/strategicplan/fy2011/index.asp. The 2011 Avant-Garde Award competition will proceed in two phases. The first phase is a pre-application phase in response to PAR-10-287.

**Amount:** $2,500,000  
**LOI:** N/R  
**Deadline:** Pre-Application February 11, 2011; Final Application: May 26, 2011  

**Key Words:**
- Research on Malignancies in the Context of HIV/AIDS (R01) and (R21)

**Research on Malignancies in the Context of HIV/AIDS (R01) and (R21)**

**New**

PA-10-290 and PA-10-291  
National Cancer Institute (NCI)  
National Institute on Dental and Craniofacial Research (NIDCR)

This funding opportunity announcement (FOA) issued by NCI and NIDCR, National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/ organizations that propose to continue advancing our understanding of the risks, development, progression, diagnosis, and treatment of malignancies observed in individuals with an underlying Human Immunodeficiency (HIV) infection or Acquired Immune Deficiency Syndrome (AIDS). The NCI and NIDCR seek to encourage research in areas such as the study of the etiologic factors, cofactors, immunopathogenesis, diagnosis, and consequences of both AIDS-defining and non-AIDS defining malignancies in diverse populations in the context of an underlying HIV infection. This FOA invites research efforts that will: (i) provide information on the clinical outcomes of such cancers in the HIV-infected population; and (ii) identify specific contributions resulting from HIV infection and its potential interaction with other pathogens for the development and pathogenesis of these cancers.

**Amount:** varies  
**LOI:** N/R  
**Deadline:** Standard dates apply  

**Key Words:** Biomarkers, Diagnostics, Therapeutics; Etiology, Pathogenesis and Immunology; Molecular Epidemiology and Prevention; Oral Cavity Malignancies

**ARL/ARO Broad Agency Announcement-Revised**

W911NF-07-R-0001-02  
U.S. Army Research Laboratory (ARL)

14.0. Extramural research in the Life Sciences is supported by the Army Research Office. For those proposals related to purely medical topics, the investigator is invited to contact the U.S. Army Medical Research and Materiel Command. For research in the behavioral and social sciences or in training techniques, contact the Army Research Institute for Behavioral and Social Sciences. The ARO Life Sciences Division research program is currently focused on four sub area work packages. The titles, scopes and points of contact for these work packages, each of which address general aspects of basic research in biotechnology, as well as the specific thrusts described, are listed below. A small number of symposia, conferences and workshops are also supported in part or in whole to provide an exchange of ideas related to ongoing programs in Army laboratories. Potential offerors are strongly encouraged to contact the appropriate TPOC for preliminary discussions on their ideas before any submissions. The TPOC may invite the offeror to submit a preproposal.

14.1. Bioengineering. Fundamental studies to define structure-function relationships and biochemical interactions for enzymes, receptors and other macromolecules exhibiting mechanisms and properties uniquely relevant to synthetic and degradative pathways of interest to the military, including establishment of the foundations for manipulation and exploitation of biocatalysis, ribosomal and non-ribosomal biosynthesis to enhance permissiveness toward elaboration of useful biomolecular structures and cellular systems designed with "metabolic engineering" in mind. Also, research to provide insight from nature on novel theoretical principles and mechanisms in sensory and motor function, as well as on materials with extraordinary properties, from biological sources. Includes not only initial molecular events, signal transduction pathways and integrated information processing for the powerful sensing capabilities exhibited in the biological world, but also self-assembly processes, hierarchical structure formation, and functional characterization of biomolecular
materials such as those with potential "biomimetic" utility for nanometer scale fabrication or for energy and information transfer, among other possibilities. Technical Point of Contact: Dr. Robert Kokoska, Robert.kokoska@us.army.mil, (919) 549-4342.

14.2 Molecular Genetics and Genomics. This program emphasizes basic research in molecular genetics and genomics that will enable optimization of soldier cognitive and physical performance, soldier protection, and Army logistics. This includes human performance and protection under both normal conditions, and when affected by a variety of stressors that are likely to be encountered in battlefield situations, such as dehydration, heat, cold, sleep deprivation, caloric insufficiency, microbial factors, and psychological stress. Genetic and genomic research areas include identification and characterization of gene function, gene regulation, genetic interactions, gene pathways, gene expression patterns, mitochondrial regulation and biogenesis, and nuclear and mitochondrial DNA replication, mutagenesis, oxidative stress, and DNA repair. Also molecular responses to pathogens, pathogen identification, and pathogen inactivation, as well as host-pathogen interactions, and host components of infection and resistance to infection. This program is also interested in the biotechnology of microarrays, including both genomic- and proteomic-based platforms, for real time detection of pathogens or physiological states that would reduce or interfere with human performance. This program also supports development of new biomaterials and bioproduction methods, and other advances in biotechnology methods and applications. Technical Point of Contact: Dr. Micheline Strand, e-mail: Micheline.strand@us.army.mil, (919) 549-4343.

14.3. Microbiology and Biodegradation. Biochemical and physiological mechanisms, underlying the biodegradative processes in normal, extreme, and engineered environments and fundamental studies on organisms in these environments, the properties of materials that make them susceptible or resistant to biological attack, basic concepts for anti-fungals, and studies of microbial mechanisms with potential for contributing to the remediation of sites contaminated with toxic wastes. Included are research investigations in analytical microbiology (including microbial signatures), and in general microbial mechanisms with relevance to Army problems. Addressed here also is research into microbial communities and how to study organisms that cannot be grown in the lab, as well as research into methods to enhance the stabilization of military materiel, which would include methods to prevent microbial growth. Also included is the development of microbial systems for unique biotechnological applications and bioengineering processes with individual microbial species or consortia of microorganisms, emphasizing the control, stability, and mechanisms of the basic cellular processes involved. Technical Point of Contact: Dr. Micheline Strand, e-mail: Micheline.strand@us.army.mil, (919) 549-4343.

14.4 Neurophysiology and Cognitive Neuroscience. Research in the perception and cognition subfields of neurophysiology and the cognitive neurosciences, covering several or all areas of electrophysiology, psychophysiology, sensory and perceptual physiology, computational neurobiology, psychophysics, neuropsychology, and integrative neurobiology is of interest. Specific examples can include physiological, neuro-psychological and/or cortical/cognitive mechanisms underlying successful completion of complex task behaviors applicable to nonlaboratory environments under non-ideal conditions, to include both amelioration of induced losses as well as enhancement in defined perceptual, cognitive and/or motor abilities. Investigations can span the gamut from multi-unit recordings through evoked potentials and neuro-imaging technologies to humoral and psychological correlates of both central and peripheral nervous system function. Non-medically oriented research designed to elucidate the fundamental physiology underlying cognition and possible non-invasive methods of monitoring cognitive states and processes during normal activity is appropriate. Perceptual and/or psychophysiological implications of mind-machine interfaces ranging from optimizing auditory, visual and/or somatosensory display and control systems based on physiological or psychological states through modeling of individual cognitive dynamics and decision making is appropriate to this research area. Technical Point of Contact: Dr. Elmar T. Schmeisser e-mail elmar.schmeisser@us.army.mil, (919) 549-4318.

Amount: unspecified
LOI: N/R
Deadline: September 30, 2011
To learn more: http://www.arl.army.mil/www/DownloadedInternetPages/CurrentPages/DoingBusinesswithARL/research/07-r-0001-02_amendment2.pdf
Key Words: Human Performance, Microbial Signatures, Perception and Cognition

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**Long Acting, Sustainable Therapies of Opiate Addiction (R01)**

PAS-08-061

NIDA

This Funding Opportunity Announcement (FOA) issued by the National Institute on Drug Abuse, National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/organizations that propose the development of sustained pharmacotherapies and behavioral treatments to reduce the risk of contraction and transmission of HIV. Specifically, this FOA supports applications directed at the development of (1) heroin/morphine-protein conjugates (heretofore referred to as heroin/morphine conjugate vaccines or HCVs) for the treatment of opiate addiction, (2) clinical systems for the application of currently available long-acting (30-day or longer sustained-release) dosage forms for opiate pharmacotherapies to optimize these sustained pharmacotherapies to effect the reduction of the risk for acquisition and transmission of HIV, and (3) effective clinical treatment modalities, including behavioral treatment in conjunction with pharmacotherapies, to improve the effectiveness of opiate treatment and reduce the risk behaviors associated with transmission of HIV. Clinical studies should include the assessment of HIV risk behaviors as an outcome measure.

Amount: $400,000

LOI: N/R

Deadline: multiple, see link
Living Stock Collections for Biological Research (LSCBR)
NSF 09-550
National Science Foundation (NSF)
Directorate for Biological Sciences
Division of Biological Infrastructure
The Living Stock Collections for Biological Research (LSCBR) program supports improvements in and partial operation of existing collections of living organisms (including viruses and bacteriophages) to be used in basic biological research. The program provides support for two types of projects. Short-term projects are one-time awards (up to 36 months) leading to innovative handling of living stocks or to well-defined improvements in existing collections, including those not otherwise supported by LSCBR. Longer-term projects (up to 60 months) help support ongoing operation of collections significant to the NSF research community. Collections receiving longer-term support are expected to receive significant support from user fees or other mechanisms of revenue generation.
Amount: varies
LOI: N/R
Deadline: July 6, 2011
Key Words: Biological Stock, Cultures, Virus, Bacteria

Improvements to Biological Research Collections (BRC)
NSF 09-548
National Science Foundation (NSF)
Directorate for Biological Sciences
Division of Biological Infrastructure
The Improvements to Biological Research Collections Program provides funds for improvements to network, secure, and organize established natural history collections for sustained, accurate, and efficient accessibility of the collection to the biological research community.
The BRC program is encouraging collaborative proposals to network collections on regional and continental scales, especially collaborations that bring large and small collections together into networks. The BRC program also provides for enhancements to existing collections to improve collections, computerize specimen-related data, develop better methods of specimen curation and collection management through activities such as symposia and workshops.
Biological collections supported include those housing natural history specimens and jointly curated collections such as preserved tissues and other physical samples, e.g. DNA libraries and digital images. Such collections provide the materials necessary for research across broad areas of biological sciences.
Amount: $500,000-$2,000,000
LOI: N/R
Deadline: Fourth Friday in July, Annually
Key Words: Preserved Tissues and other Physical Samples, e.g. DNA libraries and digital images.

Ecology of Infectious Diseases (EID)
NSF 10-616
National Science Foundation (NSF)
The Ecology of Infectious Diseases program supports the development of predictive models and the discovery of principles governing the transmission dynamics of infectious disease agents. To that end, research proposals should focus on understanding the ecological, evolutionary and socio-ecological determinants of transmission by vectors or abiotic agents; the population dynamics and genetics of reservoir species; the transmission to humans, other non-human animals or plants; or the cultural, social, behavioral, and economic dimensions of disease communication. Research may be on zoonotic, vector-borne or enteric diseases of either terrestrial, freshwater, or marine systems and organisms, including diseases of non-human animals and plants, at any scale from specific pathogens to inclusive environmental systems. Diseases affecting humans must have an environmental transmission component; research on solely human-to-human transmitted disease systems are not eligible for EID support. Proposals for research on disease systems of public health concern to developing countries are strongly encouraged, as are disease systems of agricultural concern. Investigators are encouraged to include links to the public health research community, including for example, participation of epidemiologists, physicians, veterinarians, social scientists, medical entomologists, pathologists, virologists, or parasitologists.
Amount: $2,500,000
LOI: N/R
Deadline: December 15, 2010
Key Words:
Integrating Biobehavioral and Sociocultural Research to Prevent HIV Transmission and Infection
([R01] PA-08-188) and ([R21] PA-08-189)
PA-08-188 and PA-08-189
National Institutes of Health (NIH)
This funding opportunity announcement (FOA) solicits Research Project (R01) grant applications from applicant organizations to
develop theoretically grounded approaches to prevention of HIV infection and transmission that incorporate biobehavioral approaches
in studies that are culturally appropriate. Biobehavioral approaches may be biomedical, or they may consist of behavioral interventions
using biological markers of efficacy. Intervention and pre-intervention studies are welcomed, but descriptive ethnographic and
epidemiological research is still needed in some areas. For example, descriptive research may delineate the impact of cultural
variables on behaviors that impede or promote biological markers (e.g., seroconversion), lead to a better understanding of ethical
concerns in biomedical preventive studies, or may illuminate as yet unrecognized issues concerned with adherence to a prevention
interventions. Intervention studies should evaluate the efficacy of biomedical interventions, or of behavioral interventions that also use
biological variables, in light of the sociocultural context.
Amount: $100,000
LOI: N/R
Deadline: Standard dates apply
Key Words: HIV, AIDS, Epidemiology

Medical Management of Older Patients with HIV/AIDS
([R01]PA-09-0187) and ([R03] PA-09-018) or ([R21] PA-09-0189)
PA-09-017 and PA-09-018 or PA-09-019
National Institutes of Health
This funding opportunity announcement (FOA) issued by the National Institute on Aging (NIA), the National Institute of Allergy and
Infectious Diseases (NIAID), the Center for Mental Health Research on AIDS of the National Institute of Mental Health (NIMH), and the
National Institute of Nursing Research (NINR) encourages Research Project Grant (R01) applications that address clinical and
translational medical issues in the diagnosis and/or management of HIV infection and its consequences in older persons.
Amount: $2,500,000
LOI: N/R
Deadline: Standard dates apply
Key Words: HIV/AIDS, HIV, Aging

Unique Interactions Between Tobacco Use and HIV/AIDS
([R01] PA-08-253) and ([R03] PA-08-254)
PA-08-253 and PA-08-254
National Institute on Drug Abuse (NIDA)
Fogarty International Center (FIC)
The purpose for this FOA issued by the National Institute on Drug Abuse and the Fogarty International Center encourages Research
Project Grant (R01) applications from institutions/organizations that propose to stimulate research related to the unique, interactive
health effects of cigarette smoking and HIV/AIDS.
Amount: unspecified
LOI: N/R
Deadline: Standard dates apply
Key Words: Smoking, AIDS/HIV

Technology-Based Adherence Interventions for Substance Abusing Populations with HIV ([R01] and ([R34])
PAS-10-097 and PAS-10-098
National Institute on Drug Abuse (NIDA)
Through this FOA, the National Institute on Drug Abuse (NIDA) seeks to stimulate and support research on the determination of
efficacy and potency of interventions that utilize technological tools (e.g., mobile enabling technologies, Ecological Momentary
Assessment (EMA), enhanced Medication Event Monitoring System, computer software, portable digital devices, cell phone and/or
Digital Assistant Device among others) to foster adherence to Human Immunodeficiency Virus (HIV) treatment regimens among
substance abusing populations in naturally occurring timeframes and contexts. Multidisciplinary collaboration between social scientists,
medical (physician/nurse) researchers and technology experts to develop and refine mobile technological instrumentation, e-health
technology and software as interventions (or as part of interventions) that foster adherence to HIV treatment regimens and access to care in real time is encouraged.

**Amount:** varies  
**LOI:** N/R  
**Deadline:** Standard dates apply  


**Key Words:** Treatment Regimens, HIV/AIDS

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**Drug Abuse Aspects of HIV/AIDS (R01) and (R21) and (R03)**  
PA-10-129 and PA-10-130 and PA-10-131  

National Institute on Drug Abuse (NIDA)  
This FOA issued by the National Institute on Drug Abuse (NIDA), National Institutes of Health (NIH), encourages Research Project Grant (R01) applications to examine the drug abuse aspects of HIV/AIDS, including research on drug-related risk behaviors, addiction and HIV disease, and drug use/HIV-related comorbidities and consequences. Proposals are needed to identify and predict changes in the epidemiology of HIV/AIDS among injection and non-injection drug users and among their sexual partners, to develop and test primary and secondary drug abuse and HIV prevention and treatment interventions, to improve HIV testing, counseling, and treatment services for those living with HIV/AIDS, and to address basic mechanisms involved in HIV infection and AIDS pathogenesis in the context of drug abuse and addiction.

**Amount:** varies  
**LOI:** N/R  
**Deadline:** Standard dates apply  

**Key Words:** HIV/AIDS, Drug Abuse

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**AIDS-Science Track Award for Research Transition (R03)**  
PAR-10-021  

National Institute on Drug Abuse (NIDA)  
This funding opportunity announcement (FOA) by the National Institute on Drug Abuse seeks to facilitate the entry of both newly independent and early career investigators to the area of drug abuse research on HIV/AIDS. This FOA, AIDS-Science Track Award for Research Transition (A-START), encourages Small Research Grant (R03) applications to support research projects on drug abuse and HIV/AIDS that can be carried out in a short period of time with limited resources. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology.

**Amount:** $200,000  
**LOI:** N/R  
**Deadline:** Standard dates apply  
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-021.html  

**Key Words:** HIV/AIDS, Drug Abuse

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**Drug Abuse Prevention Intervention Research**  
[(R01) PA-08-217] and [(R21) PA-08-218] and [(R03) PA-08-219]  
PA-08-217 and PA-08-218 and PA-08-219  

National Institute on Drug Abuse (NIDA)  
The purpose of this FOA is to encourage Research Project Grant (R01) applications from institutions/organizations that propose to advance the science of drug abuse and drug-related HIV prevention through 1) the development of novel prevention approaches, 2) the testing of novel and adapted prevention intervention approaches 3) the elucidation of processes associated with the selection, adoption, adaptation, implementation, sustainability, and financing of empirically validated interventions, and 4) the development of new methodologies suitable for the design and analysis of prevention research studies. Programs of research are intended to provide pathways toward the discovery of population-level approaches for the prevention of drug abuse and dependence, drug-related problems (such as interpersonal violence, criminal involvement, and productivity loss), and drug related illness (such as comorbid drug and mental health problems or comorbid infections including HIV, hepatitis B, and hepatitis C).

**Amount:** varies  
**LOI:** N/R  
**Deadline:** Standard dates apply  

**Key Words:** Drug Abuse, Drug Dependence
Structural Interventions, Alcohol Use, and Risk of HIV/AIDS (R01) and (R21)
PA-10-242 and PA-10-243
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
This FOA issued by the National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, encourages RO1 research grant applications from institutions/organizations that propose to investigate the effectiveness of structural interventions that reduce the risk of HIV/AIDS transmission by changing the environment of alcohol use. Although a variety of structural and environmental interventions have been employed successfully to reduce other drinking-related problems, there has been relatively little research that extends such efforts into the realm of HIV/AIDS risk reduction.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words:

NIAAA Collaborative Centers for HIV/AIDS and Alcohol Outcomes Research (U01, U24)
RFA-AA-11-003
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
This FOA issued by the National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, solicits grant applications from consortiums of researchers across different institutions that propose to 1) measure both short-term and long-term outcomes among HIV+ alcohol using, abusing, and dependent populations and 2) develop and strategically test interventions to reduce alcohol use and alcohol-related consequences in a coordinate way to prevent morbidity and mortality in the impacted population. In addition, this research seeks to develop a new framework for sustainable implementation research among HIV+ alcohol users with the goal of high impact on health care systems. This initiative is intended to build on existing cohorts of patients or HIV+ individuals in the process of being identified with new infections, entering, and/or continuing treatment.
Amount: $11,250,000
LOI: December 11, 2010
Deadline: January 11, 2011
Key Words:

Research on Alcohol and HIV/AIDS (R01), (R03) and (R21)
PA-10-103 and PA-10-104 and PA-10-105
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
This Funding Opportunity Announcement (FOA) is intended to appeal to a broad audience of alcohol and HIV/AIDS researchers, including alcohol researchers with no prior experience in HIV/AIDS research, but with a keen appreciation for the relationship between problem drinking and HIV/AIDS and a strong interest in acquiring such experience; HIV/AIDS researchers with no prior alcohol research experience who realize the importance of more intensive alcohol interventions to improving clinical outcomes among HIV+ individuals; and those with prior research experience in the area of co-occurring HIV/AIDS and alcohol and other substance abuse. The primary objectives for this announcement are to increase research: 1) to characterize the relative importance of reducing alcohol misuse in the prevention of acquisition and transmission of HIV in order to identify and apply appropriate alcohol and HIV interventions as public health measures, 2) to more fully understand and prevent the progression of HIV disease in the presence of continued alcohol exposure and 3) to develop operational research frameworks for addressing the occurrence and persistence of infections in high-risk populations (e.g. minority women, young gay men, etc.), and translate findings these targeted populations. Given the breadth of research objectives included in this announcement, potential applicants are encouraged to carefully review all sections of the announcement for research opportunities.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: HIV/AIDS, Alcohol, Disease Transmission, Risk Assessment, Interventions

Countermeasures Against Chemical Threats (CounterACT) Exploratory/Developmental Projects in Translational Research (R21)
PAR-10-019
National Institute of Neurological Disorders and Stroke (NINDS)
National Eye Institute (NEI)
National Institute of Allergy and Infectious Diseases (NIAID)
National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)
This Funding Opportunity Announcement (FOA) requests applications for exploratory/developmental translational research on therapeutics for reducing mortality and morbidity caused by acute exposures to chemical threat agents. Chemical threats include traditional chemical warfare nerve agents such as sarin and VX, toxic industrial chemicals such as cyanide and chlorine, and toxic agricultural chemicals such as parathion and sodium fluoroacetate. Projects supported by this FOA are expected to generate preliminary data that would enable the development of competitive applications for more extensive support from the NIH CounterACT program (see www.ninds.nih.gov/counteract for a description) and other related research and development programs.

Amount: $500,000
LOI: January 4, 2011, 2012
Deadline: February 1, 2011, 2012
Key Words: Chemical Threat, Warfare Agents, Counter Measures

Novel Lentiviral Models of HIV Neuropathogenesis

PAS-08-178 and PAS-08-179 and PAS-08-180
National Institute of Neurological Disorders and Stroke (NINDS)
National Institute on Drug Abuse (NIDA)
National Institute of Mental Health (NIMH)
National Institute on Alcohol Abuse and Alcoholism
The National Institute of Neurological Disorders and Stroke (NINDS), the National Institute on Drug Abuse (NIDA), the National Institute of Mental Health (NIMH), and the National Institute on Alcohol Abuse and Alcoholism (NIAAA) invite research grant applications aimed at developing and or refinement of animal or ex vivo cell culture model systems for study of the neurologic complications of AIDS, with or without a history of drug or alcohol use. Recent advances in the development of the SIV model system highlight the power of animal model systems for study of the mechanisms underlying the pathology associated with lentiviral infection in the nervous system. These models will be key for developing therapeutic approaches for the treatment of patients suffering from NeuroAIDS and for understanding the basic biology of infection with HIV/AIDS.

Amount: $1,500,00 (varies)
LOI: N/R
Deadline: Standard dates apply
Key Words: HIV, AIDS, NeuroAIDS

Viral and Host Genetic Factors Regulating HIV-Associated CNS Disease (R01) and (R21)

RFA-MH-11-020 and RFA-MH-11-021
National Institute of Mental Health (NIMH)
National Institute of Neurological Disease and Stroke (NINDS)
The National Institute of Mental Health (NIMH) and The National Institute of Neurological Disorders and Stroke (NINDS) solicit research grant applications to support studies focused on viral and host genetic factors involved in HIV-1 Associated Neurocognitive Disorders (HAND) in the setting of highly active anti-retroviral therapy (HAART). Recent clinical studies indicate that over 50% of HIV-infected patients manifest HAND despite receiving HAART. The focus of this initiative is to encourage studies to discover novel genetic paradigms that may account for the interactions between the virus, the host, and the therapeutic drugs in the central nervous system (CNS) that result in the pathogenesis, progression, and clinical manifestations of HAND. The use of state-of-the-art genetic approaches (including transcriptomics, phenomics, epigenomics, whole genome association studies, next generation sequencing, exome sequencing, & systems biology) to identify and validate (including in vitro models, animal models, & human samples) viral and host genetic factors which influence the pathophysiology of HAND are encouraged.

Amount: varies
LOI: December 6, 2010
Deadline: January 06, 2011
Key Words:

Novel NeuroAIDS Therapeutics: Integrated Preclinical/Clinical Program (P01)

PAR-10-216
National Institute of Mental Health (NIMH)
The aim of this Funding Opportunity Announcement (FOA) issued by the National Institute of Mental Health (NIMH), National Institutes of Health (NIH), is to support research focused on accelerating basic and translational scientific discoveries with a plan to advance drug therapeutics for HIV-Associated Neurocognitive Disorders (HAND). Recent clinical observations indicate that over 50% of HIV infected
patients manifest HAND despite receiving highly active antiretroviral therapy (HAART). These clinical observations inform the need to obtain a better understanding of HAND and to develop novel therapeutic drug candidates to prevent or interfere with progression of HAND. Applicants are invited to develop a multidisciplinary program with a minimum of three highly integrated research projects and one Administrative Core focused on research and development of novel therapeutics for HAND. At least one component (research project) may be derived from industry (i.e., pharmaceutical, chemical, bioengineering or biotechnological companies). A Scientific Advisory Panel (SAP) for each award under this FOA will be constituted within 6 months of the award.

**Amount:** varies  
**LOI:** August 7, 2011; August 7, 2012  
**Deadline:** September 7, 2011; September 7, 2012  

**Key Words:**

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**Dynamics of Host-Associated Microbial Communities (R01)**  
RFA-GM-12-001  
National Institute of General Medical Sciences (NIGMS)  
This Funding Opportunity Announcement (FOA) issued by the National Institute of General Medical Sciences (NIGMS), National Institutes of Health (NIH), solicits applications that propose genetic, physiological, and ecological studies designed to reveal the basic principles and mechanisms that govern the symbiotic systems dynamics of microbial communities.  

**Amount:** $1,250,000  
**LOI:** December 14, 2010  
**Deadline:** January 14, 2011  
**To learn more:** [http://grants.nih.gov/grants/guide/rfa-files/RFA-GM-12-001.html](http://grants.nih.gov/grants/guide/rfa-files/RFA-GM-12-001.html)

**Key Words:**

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**Ancillary Studies in Immunomodulation Clinical Trials (R01)**  
RFA-AI-10-014  
National Institute of Allergy and Infectious Diseases (NIAID)  
National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)  
National Institute of Neurological Disorders and Stroke (NINDS)  
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)  
This FOA invites R01 applications for mechanistic studies in clinical trials of: (1) immunomodulatory interventions for immune system mediated diseases, including, but not limited to: asthma and allergic diseases; graft rejection in solid organ, cell, and tissue transplantation; graft versus host disease in hematopoietic stem cell transplantation; and chronic inflammatory, autoimmune, and immunodeficiency diseases; and (2) preventative and therapeutic, vaccines for non-HIV/AIDS infectious diseases, including NIAID Category A, B, and C agents of bioterrorism and emerging/re-emerging infectious diseases.  

**Amount:** $1,000,000  
**LOI:** Thirty days prior to application receipt date  
**Deadline:** March 9, 2011  

**Key Words:**

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**Research to Advance Vaccine Safety ([R01] PA-08-256) and ([R21] PA-08-257)**  
PA-08-256 and PA-08-257  
National Institute of Allergy and Infectious Diseases (NIAID)  
National Institute of Mental Health (NIMH)  
National Institute of Nursing Research (NINR)  
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)  
National Institute of Health (NIH)  
This FOA, entitled Research to Advance Vaccine Safety, is issued by the National Institutes of Health and encourages Research Project Grant (R01) applications from institutions/organizations that propose to support research that will contribute to the overall understanding of vaccine safety. This R01 research opportunity invites studies that address scientific areas potentially relevant to vaccine safety such as 1) physiological and immunological responses to vaccines and vaccine components, 2) how genetic variations affect immune/physiological responses that may impact vaccine safety, 3) identification of risk factors and biological markers that may be used to assess whether there is a relationship between certain diseases or disorders and licensed vaccines, or 4) the application of genomic/molecular technologies to improve knowledge of vaccine safety.  

**Amount:** varies  
**LOI:** N/R  
**Deadline:** Standard dates apply  
**To learn more:** [http://grants.nih.gov/grants/guide/pa-files/PA-08-256.html](http://grants.nih.gov/grants/guide/pa-files/PA-08-256.html)

**Key Words:**
**Phased Innovation Award Program for AIDS Vaccine Research (R21/R33)**

PA-09-119  
National Institute of Allergy and Infectious Diseases (NIAID)  
This FOA, issued by the National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH), solicits research grant applications from institutions/organizations that propose prophylactic vaccine research projects that are innovative, novel, may be high risk/high impact, and that exhibit the potential to advance AIDS prophylactic vaccine design or evaluation. All areas of investigation contributing to the development of an efficacious HIV/AIDS vaccine are welcome. Clinical trials will not be supported under this initiative. Mechanism of Support. This FOA will use the NIH Phased Innovation Award (R21/R33) grant mechanism; Phase I = Exploratory R21/Phase II = Developmental R33. Awards will support milestone-driven exploratory/feasibility proof of concept studies (2 year R21 phase), with possible rapid transition to expanded development (2-3 year R33 phase). Initially funded R21 studies will be evaluated over two years for milestone completion, and R21s that have met defined milestones will be considered for the R33 award.  
Amount: $275,000  
LOI: N/R  
Deadline: Standard dates apply  
Key Words: HIV Vaccine

**Notice of Availability of Administrative Supplements for T32 Global Health Physician Scientist Postdoctoral Training Slots**

NOT-AI-10-028  
National Institute of Allergy and Infectious Diseases (NIAID)  
The National Institute of Allergy and Infectious Diseases (NIAID) announces an administrative supplement program of up to $1,000,000 per year total in Fiscal Year 2011 to provide funds to NIAID-supported NRSA Institutional Research Training Grant (T32) awards for the additional appointment of postdoctoral clinical fellows engaged in global health-related research. The purpose of these administrative supplements is to allow existing T32 Institutional Research Training Programs with an overall focus on infectious diseases and a global health research capability, including collaborations with foreign clinical research sites, to add 1-2 clinical postdoctoral trainees over the remaining non-competitive segment of the parent award. The goal is to respond to and support the enthusiasm of clinical fellows eager to help solve global health problems in infectious diseases (including HIV). Additional research training will allow clinical fellows to gain international experience that will enhance their ability to function in foreign settings where many communicable diseases and associated health conditions are endemic. It will also provide research experience where other important infectious disease influences are prevalent, such as multiple co-morbidities, nutritional factors, cultural practices, and health care delivery challenges.  
Amount:  
LOI: N/R  
Deadline: January 18, 2011  
Key Words:

**Basic Research on HIV Persistence (R01)**

PA-09-152  
National Institute of Allergy and Infectious Diseases (NIAID)  
The aim of this Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH), is to increase our understanding of persistent HIV-1 infection in patients under highly active antiretroviral therapy (HAART). Support would be through soliciting Research Project Grant (R01) applications for hypothesis-driven basic research in HIV/AIDS that is focused on directly achieving this aim. The emphasis of this initiative is on the development of new ideas and approaches in HIV-1 persistence including model and assay development that may directly inform future studies on the design of therapeutic strategies to achieve long term remission without treatment or a complete eradication of residual virus and complete cure for HIV infection and AIDS. It is anticipated that this is the first in a series of FOAs to understand the basic mechanisms of HIV persistence and then to use this information to develop ways to control and eliminate the virus-carrying cells.  
Amount: varies  
LOI: N/R  
Deadline: Standard dates apply  
To learn more: [http://grants.nih.gov/grants/guide/pa-files/PA-09-152.html](http://grants.nih.gov/grants/guide/pa-files/PA-09-152.html)  
Key Words: HIV, AIDS

**HIV Incidence Assays with Improved Specificity (R01)**
This Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH), solicits grant applications from institutions/organizations that propose to develop improved HIV incidence assays with increased specificity and reliability for distinguishing incident from chronic HIV infections.

**Amount:** varies

**LOI:** N/R

**Deadline:** Standard dates apply


**Key Words:**

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**HIV Vaccine Research and Design (HIVRAD) Program (P01)**

**PAR-09-134**

National Institute of Allergy and Infectious Diseases (NIAID)

The NIAID held a Vaccine Summit in March 2008 to solicit input on how best to advance the field of HIV vaccine discovery research. The HIV Vaccine Research and Design (HIVRAD) Program, a multi-project, multidisciplinary HIV/AIDS prophylactic vaccine-related funding mechanism is one such mechanism that may be used for support of the research priorities identified at the NIAID Vaccine Summit. Applications must include at least two (2) projects and one (1) core.

**Amount:** $7,500,000

**LOI:** May 23, 2011

**Deadline:** July 13, 2011


**Key Words:** HIV Vaccine

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**Integrated Preclinical/Clinical AIDS Vaccine Development Program (IPCAVD) (U19)**

**PAR-10-161**

National Institute of Allergy and Infectious Diseases (NIAID)

The goal of this Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID) is to facilitate the translation of innovative and promising basic science-derived vaccine concepts for prophylactic HIV vaccines to initial clinical trials by providing the critical resources necessary for achieving this goal. The Integrated Preclinical/Clinical AIDS Vaccine Development Program (IPCAVD) is a mechanism that enables investigators to conduct clinical research studies aimed at addressing specific scientific questions and vaccine concepts most appropriately tested in humans. To fulfill this goal, an IPCAVD award is intended to provide assistance to meritorious competitive projects in 3 areas: (1) support for basic hypothesis-driven science to advance development of the vaccine concept by facilitating non-human primate (NHP) proof-of-concept studies and down-selection to the best lead candidate; (2) access to resources for determining whether the vaccine concept is clinically feasible by determining whether a candidate vaccine successfully addresses FDA requirements for performing clinical testing, by determining the feasibility of manufacturing cGMP lots of the vaccine and by determining vaccine safety by conducting the required toxicology and pharmacology safety studies; and (3) support for the initial human clinical study central to addressing the proposed scientific question.

**Amount:** $12,500,000

**LOI:** October 7, 2011; October 9, 2012


**Key Words:** Vaccine Trials, HIV/AIDS

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**NIAID Clinical Trial Planning Grant (R34), (U01) and (R01)**

**PAR-10-185 and PAR-10-186 and PAR-10-184**

National Institute of Allergy and Infectious Diseases (NIAID)

This Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID) invites applications that propose the complete planning, design, and preparation of documentation necessary for implementation of investigator-initiated clinical trials. The trials must be hypothesis-driven, milestone-defined, related to the research mission of the NIAID and considered high priority by the Institute. Investigators are encouraged to visit the NIAID website for additional information about the research mission and high-priority research areas of the NIAID [http://www3.niaid.nih.gov/about/whoWeAre/planningPriorities/](http://www3.niaid.nih.gov/about/whoWeAre/planningPriorities/)

**Amount:** varies with award mechanism

**LOI:** N/R


NIH Small Research Grant Program (Parent R03)
PA-09-163
National Human Genome Research Institute (NHGRI)
National Institute on Drug Abuse (NIDA)
National Institute on Aging (NIA)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute of Allergy and Infectious Diseases (NIAID)
National Institute of Allergy and Infectious Diseases (NIAID)

The National Institutes of Health (NIH) Investigator-Initiated Small Grant (R03) funding opportunity supports small research projects that can be carried out in a short period of time with limited resources. Investigator-initiated research, also known as unsolicited research, is research funded as a result of an investigator submitting a research grant application to NIH in an investigator’s area of interest and competency. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. All investigator-initiated small grant applications described in this announcement will be assigned to NIH Institutes and Centers (ICs) according to standard Public Health Service (PHS) referral guidelines and specific program interests.

Amount: $100,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-163.html
Key Words: Small Grants

Biomarkers of Infection-Associated Cancers (R01) [PA-08-156]
Biomarkers of Infection-Associated Cancers (R21) [PA-08-157]
PA-08-156 and PA-08-157
National Cancer Institute
National Institute of Dental and Craniofacial Research

This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI) and the National Institute of Dental and Craniofacial Research (NIDCR), of the National Institutes of Health (NIH), encourages the submission of Research Project Grant (R01) applications from institutions and organizations that propose to identify biomarkers for cancers where the etiology of the disease is attributed to infectious agents.

Amount: varies
LOI: N/R
Deadline: Multiple dates, see announcement
Key Words: Biomarkers, Cancer Biology

AIDS International Training and Research Program (AITRP) (D43)
PAR-10-219
Fogarty International Center (FIC), (http://www.fic.nih.gov/)
National Cancer Institute (NCI), (http://www.cancer.gov/)
National Institute of Allergy and Infectious Diseases (NIAID)
National Institute on Drug Abuse (NIDA)
National Institute of Dental and Craniofacial Research (NIDCR)

The Fogarty International Center (FIC), together with the National Cancer Institute (NCI), the National Institute of Allergy and Infectious Diseases (NIAID), the National Institute of Drug Abuse (NIDA), the National Institute of Dental and Craniofacial Research (NIDCR), and the National Institute of Nursing Research (NINR), encourages renewal and new applications in the AIDS International Training and Research Program (AITRP). The application must propose a collaborative research training program that will strengthen the capacity of institutions in low-and middle-income countries (LMIC), defined by the World Bank classification system, to conduct HIV-related research.

Amount: varies
LOI: July 16, 2011; July 16, 2012
Deadline: August 16, 2011; August 16, 2012
Key Words:
PHASE II IICOHRTA AIDS/TB Research Training Program (U2R)
PAR-10-218
Fogarty International Center (FIC)
National Institute of Allergy and Infectious Diseases (NIAID)
National Institute on Drug Abuse (NIDA)
National Institute of Dental and Craniofacial Research (NIDCR)
The Fogarty International Center (FIC), together with the National Institute of Allergy and Infectious Diseases (NIAID), the National Institute of Drug Abuse (NIDA), and the National Institute of Dental and Craniofacial Research (NIDCR), encourages renewal and new applications in the Phase II International Implementation, Clinical, Operations and Health Services Research Training Award for AIDS and TB (IICOHRTA AIDS/TB) program. Applications must propose, in an integrated manner, a collaborative research training program that will strengthen the capacity of institutions in low-and middle-income countries (LMIC), defined by the World Bank classification system, to conduct HIV and/or tuberculosis implementation research.
Amount: varies
LOI: July 16, 2011; July 16, 2012
Deadline: August 16, 2011; August 16, 2012
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-218.html
Key Words:

Department Of Defense Hive/AIDS Prevention Program
DHAPP-BAA-10-001
Department of Defense (DOD)
DHAPP continues to rely upon the vital support of various partners, such as non-governmental organizations (NGOs), in implementing HIV prevention, care and treatment programs across the globe. Each country has a customized plan to help the countries’ militaries bring its HIV/AIDS programs to sufficient scale to help reduce the spread of the epidemic and mitigate its impact.
DHAPP’s current priority activities include the following:
- Institutional capacity building and developing military specific HIV strategic and operational plans that incorporate effective monitoring and evaluation procedures.
- Training of master trainers and peer educators.
- “Troop Level” HIV/AIDS prevention education and behavior change communication.
- Evaluating specific prevention interventions in military contexts.
- Providing infrastructure and equipment to support HIV testing, care and/or treatment.
- Increasing testing of all military personnel.
- Developing HIV laboratory diagnostic and monitoring capabilities.
- Increasing clinical capability and other human resources for health care of those infected with HIV.
- Developing or revising military specific HIV policies that specifically address leadership roles, gender norms, gender based violence, stigma and discrimination and structural components necessary for access to care.
- Increasing male circumcision (MC) in high prevalence countries who are supportive of MC as an effective prevention intervention.
- Providing peacekeeping prevention and care interventions in militaries that contribute significant peacekeepers.
This BAA is intended to solicit existing partners and establish new partners in order to expand the DHAPP program.
Amount: $50,000-$300,000
LOI: This announcement will remain open until 30 September 2011. White Papers may be submitted at any time during this period.
To learn more: http://www.grants.gov/search/synopsis.do;jsessionid=RIFqLZJClZnVyTpKtvX9mkkkCCZIL1Wb7JXyZhn1NRLNRRvQcLpl-1885924289
Key Words: HIV/AIDS, Military, Transmission of Infection, Preventative Measures

Chemical And Biological Technologies Directorate New Initiatives Fy2012-2013 Program
HDTRA1-12-CHEM-BIO-BAA
Defense Threat Reduction Agency
This solicitation is an extramural endeavor focused on applied research and advanced technology development objectives encompassing a broad spectrum of topics in the chemical and biological science to include Physical Science and Technology, Medical Science and Technology, including the Transformational Medical Technologies, Threat Agent Science, and Information Systems Capabilities Development topics.
Amount: $200,000-$40,000,000
LOI: Phase I Proposal (Quad Chart/White Paper): September 28, 2010
Deadline: December 16, 2010; multiple calls are possible BAA remains open for 3 years
To learn more: https://www.fbo.gov/index?s=opportunity&mode=form&id=468970a63a78c4cb36bbba651f9ccdd91&tab=core&_cview=0
Key Words: Threat Agent Science, Chemical and Biological Agent Properties and Binding, Biological Agent Fate, Characterization of Isolates, Toxicological Mechanisms of Select Agents, Advanced Warning, Analysis and Reporting, Integrating Biosurveillance Data for Disease Spread Models, Biological Pretreatments, Francisella tularensis, Burkholderia,
Defense Sciences Research & Technology

DARPA-BAA-10-55
Defense Sciences Research & Technology
Defense Sciences Office (DSO)

The mission of the Defense Advanced Research Projects Agency’s (DARPA) Defense Sciences Office (DSO) is to pursue and exploit fundamental science and innovation for National Defense. Therefore, DSO is soliciting proposal abstracts and full proposals for advanced research and development in a variety of enabling technical areas.

Basic Neuroscience Research: DSO is interested in neuroscience research ideas enabling innovation in the science and technology for improved human performance, specifically to overcome the challenges encountered in the operational environment. The areas for research may span fundamental, applied, and computational neuroscience.

Physics of Nano-Materials and Devices: DSO is interested in fundamental and applied research in nano-materials, design methodologies, and potential device application (e.g., navigation, communication, and sensing of chemical, biological, optical, infrared, acoustic, magnetic, and other signals of interest).

Basic Biology Research: DARPA is interested in fundamental and applied research in the biological sciences across all scales (e.g., quantum to ecological) to contribute to defense capabilities including development of synergies with other disciplines (e.g., information technology, micro/nanotechnology, manufacturing). While broad in scope, novel approaches to biomedical applications, biological warfare defense, and human performance optimization are of particular interest.

Amount: unspecified
LOI: N/R
Deadline: anytime until May 5, 2011
To learn more: https://www.fbo.gov/?s=opportunity&mode=form&id=ffbd2c735e17e3a3a64fd0c2e4f792ae93&tab=core&cview=0

Key Words: Protein Conformation, Safety or Efficacy of Therapeutics and Vaccines, Field Medical Therapies, Technologies for Non-invasive and/or remote Assessment of Physiological Status, Devices for Rapid Synthesis and Molecular Analysis of Biomolecules and Structures, Unidentified Microbes, Neurotrauma, Penetrating and Non-penetrating Injuries, Stress, Real-time Neural Signal Acquisition and Analysis

Prevention and Management of Healthcare Associated Infections (R18)
PA-10-089

Agency for Healthcare Research and Quality (AHRQ)
The purpose of this funding opportunity is to fund extramural health services research, demonstration, dissemination, and evaluation grants that propose to prevent and more effectively manage healthcare associated infections (HAIs).

Research priorities for this FOA are the: 1) development, implementation and demonstration of the prevention and management of HAIs, along with the determination of the costs of such interventions; 2) determination of the efficacy, effectiveness, and costs of preventative interventions; 3) population-level studies on the patient risk factors, clinical presentation, sources, and disease genotypes of antibiotic-resistant organisms that can result in perceived HAIs. The scientific and practical knowledge to be achieved through these research and demonstration efforts will identify the practical and cost-effective approaches to preventing and managing HAIs.

Amount: $1,500,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-089.html

Key Words: Hospital Acquired Infections, HAI

AHRQ Small Research Grant Program (R03)
PA-10-168

Agency for Healthcare Research and Quality (AHRQ)
This Funding Opportunity Announcement (FOA) encourages Small Research Grant (R03) applications, and expresses AHRQ portfolio priority areas of interest for ongoing small research projects. The R03 grant mechanism supports different types of health services research projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and, development of new research technology.

Amount: $100,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-168.html

Key Words: Comparative Effectiveness Research, Prescription Drugs and Medicare, Arthritis and Non-Traumatic Joint Disorders, Cancer, Cardiovascular Disease, Stroke, Hypertension, Dementia, Alzheimer’s Disease, Depression, Developmental Delays, ADHD, Autism, Diabetes, Infectious Diseases, HIV/AIDS, Obesity, Peptic Ulcer, Dyspepsia, Pregnancy, Pulmonary Disease/Asthma, Substance Abuse
Kidney and Urinary System

NIDDK Program Project Applications (P01)

New
PAR-11-043
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
This Funding Opportunity Announcement (FOA) issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) invites submission of investigator-initiated Program Project Applications. The proposed programs should address scientific areas relevant to the NIDDK mission including diabetes, endocrine and metabolic diseases, digestive diseases and nutrition, and kidney, urologic and hematologic diseases, as well as new approaches to prevent, treat and cure these diseases, including clinical research.

Amount: $6,250,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-11-043.html
Key Words:

Renal Function and Chronic Kidney Disease in Aging (R01) and (R21)
PA-09-165 and PA-09-166
National Institute on Aging (NIA)
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
This Funding Opportunity Announcement (FOA) issued by the National Institute on Aging (NIA) and the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institutes of Health, invites applications that propose basic, clinical, and translational research on chronic kidney disease (CKD) and its consequences in aging and in older persons. Applications should focus on the 1) biology and pathophysiology of CKD in animal models; 2) etiology and pathophysiology of CKD in the elderly; 3) epidemiology and risk factors for the development of CKD with advancing age; and/or 4) diagnosis, medical management and clinical outcomes of CKD in this population. Research supported by this initiative should enhance knowledge of CKD and its consequences in the elderly and provide evidence-based guidance in the diagnosis, prevention, and treatment of CKD in older persons.

Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Kidney Disease, Diabetes, Aging

Ancillary Studies of Acute Kidney Injury, Chronic Kidney Disease, and End Stage Renal Disease Accessing Information from Clinical Trials, Epidemiological Studies, and Databases (R01)
PA-09-196
National Institute of Diabetes and Digestive and Kidney Diseases
National Heart, Lung, and Blood Institute
The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the National Heart Lung and Blood Institute (NHLBI) invite investigator-initiated research project applications for ancillary studies to ongoing or completed clinical trials, existing administrative and clinical databases and epidemiological studies of kidney disease as well as clinical trials and epidemiological studies for other diseases or populations that lend themselves to the study of acute kidney injury and chronic kidney disease. These studies may range from new analyses of existing datasets of completed studies to additional collection of data and biological specimens in ongoing investigations. The goal of these studies should be to extend our understanding of the risk factors for developing kidney disease and their associated co-morbid illnesses such as malnutrition and cardiovascular disease, factors associated with rapid decline in kidney function among persons with chronic kidney disease, and the impact of these diseases on quality of life and mental and physical functioning. Investigations of acute kidney injury, including biomarkers is also an appropriate topic for investigation. Studies ancillary to both government and non-government supported clinical trials and epidemiological studies are encouraged. Analysis of large public access databases and other databases is also encouraged.

Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-196.html
Key Words: Kidney Disease, Chronic, Acute
Basic and Clinical Studies of Congenital Urinary Tract Obstruction (R01)
PA-09-226
National Institute of Diabetes and Digestive and Kidney Diseases
Eunice Kennedy Shriver National Institute of Child Health and Human Development
This Program Announcement is sponsored by the NIDDK and the NICHD. Congenital obstructive uropathy is one of the major causes of chronic kidney disease and end stage renal disease (ESRD) in infants and children. The pathogenesis of this disorder, however, remains poorly understood. Many controversies and clinical uncertainties exist in the detection, prognosis, and effective treatment strategies for this condition. The impact of early fetal detection and neonatal intervention, the long-term effects of watchful waiting and the various surgical interventions have not been well studied and documented. There is also no consensus on the indications for, or ideal timing of surgical intervention. The purpose of this funding opportunity is to address the numerous scientific and clinical uncertainties related to the development, treatment and prognosis of congenital obstructive uropathy, by encouraging and facilitating research in diverse areas. These areas include: the development of objective prognostic markers; the genetic determinants of this congenital disorder; the development of reliable animal models of the disorder; and, evaluation of the long-term effectiveness of various treatment strategies.
Amount: $2,500,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-226.html
Key Words: Congenital Obstructive Uropathy, Kidney Disease, End Stage Renal disease

Health Disparities in NIDDK Diseases (R01)
PA-09-262
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Institute of Nursing Research (NINR)
The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the National Institute of Nursing Research (NINR) of the National Institutes of Health (NIH) seek research to understand and mitigate issues of health disparities in high priority diseases within their scope, including diabetes, obesity, nutrition-related disorders, hepatitis C, gallbladder disease, H. Pylori infection, sickle cell disease, kidney diseases, urologic diseases, hematologic diseases, metabolic, gastrointestinal, hepatic, and renal complications from infection with HIV. NINR promotes and improves the health of individuals, families, communities, and populations, supports and conducts clinical and basic research and research training on health and illness across the lifespan.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-262.html
Key Words: Diabetes, Health Disparities, Nursing, Clinical and Basic Research

Non-Invasive Methods for Diagnosis and Progression of Diabetes, Kidney, Urological, Hematological and Digestive Diseases and Hypertensive Disorders (R01)
PA-09-181
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Heart Lung and Blood Institute (NHLBI)
This Funding Opportunity Announcement (FOA) is a call for the application of imaging and other non- or minimally-invasive technologies to detect, characterize, diagnose, identify persons with predisposition to, or monitor treatment of diseases of interest to the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the National Heart Lung and Blood Institute (NHLBI) of the National Institutes of Health (NIH). Also needed are new, robust surrogate markers for clinical trial endpoints, and new ways to characterize normal and pathological tissues in vivo. Diseases of interest include type 1 and 2 diabetes; acute and chronic kidney disease, liver, urologic, hematologic, digestive, endocrine, and metabolic diseases and their complications; obesity; obesity-related hypertension, hypertension, renal and vascular disorders leading to hypertension. Applicable techniques include molecular imaging and functional imaging approaches, imaging methods with high spatial, chemical or time resolution, metabolomics, proteomics, genomics, or new spectroscopic or sensor array technologies for monitoring metabolic or physiological events.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-181.html
Key Words: Diabetes, Kidney Disease, Type I, Type II

Development and Validation of Disease Biomarkers (R01)
PA-09-204
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) (http://www2.niddk.nih.gov)
This Funding Opportunity Announcement (FOA) issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), the National Institute on Alcohol Abuse and Alcoholism (NIAAA), the National Institute of Nursing Research (NINR), and the Office of Dietary Supplements (ODS) of the National Institutes of Health, will provide resources to validate candidate biomarkers for well-defined human diseases of the liver, kidney, urological tract, and digestive and hematologic systems, as well as endocrine and metabolic disorders, diabetes and its complications, and obesity, for which there are no or very few biomarkers, or for which standard biomarkers are currently prohibitively invasive or expensive. A biomarker is an indicator of a disease process, and could replace hard clinical end points as a measure of the effect of new therapies. Appropriate studies will validate candidate biomarkers in well-defined patient populations, provide new technologies to monitor biomarkers or establish reliable assays for validated markers. Progress in this area has the potential to advance translational research related to efficacy of treatments and bio-behavioral interventions. This FOA is not appropriate for biomarker discovery projects.

**Amount:** varies

**LOI:** N/R

**Deadline:** Standard dates apply

To learn more: [http://grants.nih.gov/grants/guide/pa-files/PA-09-204.html](http://grants.nih.gov/grants/guide/pa-files/PA-09-204.html)

**Key Words:** Biomarkers, Translational Research, Therapies

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**Planning Grants for Translating Chronic Kidney Disease (CKD) Research into Improved Clinical Outcomes (R34)**

RFA-DK-10-011

The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) encourages NIH Clinical Trial Planning Grant (R34) applications from institutions/organizations to test the effectiveness of interventions for the prevention, treatment and management of chronic kidney disease (CKD) that have a high likelihood of being widely adopted, and sustained in a wide range of health care settings and in individuals and communities at highest risk. The approaches to be tested must be based on interventions previously demonstrated to be efficacious in randomized clinical trials, and widely accepted throughout the chronic kidney disease CKD community. The proposed research must target chronic kidney disease and/or its complications.

**Amount:** $450,000

**LOI:** January 31, 2011

**Deadline:** February 28, 2011


**Key Words:**

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**Ancillary Studies to Major Ongoing Clinical Research Studies to Advance Areas of Scientific Interest within the Mission of the NIDDK (R01)**

PAR-09-247

This Funding Opportunity (FOA) encourages Research Project Grant (R01) applications from qualified investigators to conduct ancillary studies to major ongoing clinical research studies, including clinical trials, epidemiological studies and disease databases supported by the National Institute of Diabetes and Digestive and Kidney Diseases. Major studies include multi-center investigations, national databases and Phase 3 clinical trials. Examples of NIDDK-supported major clinical research studies eligible for ancillary studies may be found at [http://www2.niddk.nih.gov/Research/ClinicalResearch/AncillaryStudies](http://www2.niddk.nih.gov/Research/ClinicalResearch/AncillaryStudies)

**Amount:** $2,500,000

**LOI:** N/R

**Deadline:** Standard dates apply


**Key Words:** Phase 3 Clinical Trials, Diabetes, Epidemiological Studies

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**Pilot and Feasibility Clinical Research Grants in Kidney or Urologic Diseases (R21)**

PAR-09-077

This FOA issued by the National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health, encourages Exploratory/Development Research Grants (R21) that propose small scale or pilot and feasibility clinical and translational research studies, including epidemiological studies or clinical trials related to kidney or urologic disease research that address important clinical and translational questions and are potentially of high clinical and public health impact. It is anticipated that some projects supported by these grants may lead to full-scale clinical studies including diagnostic strategies, epidemiological studies, or randomized clinical trials of diagnosis, prevention, or treatment of kidney or urologic diseases.

**Amount:** $500,000

**LOI:** N/R
Grants for Research in Glomerular Diseases (R01)
PA-10-113
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
The Division of Kidney, Urologic and Hematologic Diseases (DKUHD) of the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) invites applications from new or established investigators to pursue exploratory investigations of glomerular disease, which would foster development of new ideas enhancing the understanding of disease detection, pathogenesis, pre-emption and/or treatment.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-113.html
Key Words: Kidney Disease, Urinary Disease

Calcium Oxalate Stone Diseases (R01)
PA-09-213
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
The purpose of this Funding Opportunity Announcement (FOA) is to increase investigator interest in research into oxalate metabolism, transport and homeostasis, and oxalate stone diseases. This initiative encourages basic, clinical or epidemiological studies that utilize new and innovative approaches to study the diagnosis, treatment and prevention of these disorders.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-213.html
Key Words: Oxalate Stones

Advances in Polycystic Kidney Disease (R01)
PA-09-202
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) through its Division of Kidney, Urologic and Hematologic Diseases (DKUHD) invites experienced and new investigators to submit research grant applications to pursue basic and applied investigations in order to better understand the etiology and pathogenesis of Polycystic Kidney Disease (PKD), in both its autosomal dominant and autosomal recessive forms. Such applications may examine the genetic determinants, and cellular and molecular mechanisms, which disrupt normal kidney function; mechanisms of cyst formation and growth; development of experimental model systems; development of markers of disease progression; and the identification of innovative therapeutic interventions and gene targeted strategies to prevent progressive renal insufficiency due to this disorder. The intent of this funding opportunity is to intensify investigator-initiated research, to attract new investigators to the field, and to increase interdisciplinary research. The ultimate aim is to facilitate PKD-related research studies, which will provide the basis for new therapeutic approaches.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Polycystic Kidney Disease

Lung and Sleep

NIH Exploratory Developmental Research Grant Program (Parent R21)
PA-10-069
National Institutes of Health (NIH)
multiple institutes
The National Institutes of Health (NIH) Exploratory/Developmental Grant (R21) funding opportunity supports the development of new research activities in categorical program areas. (Support generally is restricted in level of support and in time.) Investigator-initiated research, also known as unsolicited research, is research funded as a result of an investigator submitting a research grant application to NIH in an investigators area of interest and competency. All investigator-initiated exploratory/developmental applications described in
this announcement will be assigned to NIH Institutes and Centers (ICs) according to standard Public Health Service (PHS) referral guidelines and specific program interests. Investigators are strongly encouraged to consult the list of participating ICs and special research interests. The Exploratory/Developmental Grant (R21) mechanism is intended to encourage exploratory and developmental research projects by providing support for the early and conceptual stages of these projects. These studies may involve considerable risk but may lead to a breakthrough in a particular area, or to the development of novel techniques, agents, methodologies, models, or applications that could have a major impact on a field of biomedical, behavioral, or clinical research.

| Amount: | $275,000 |
| LOI:   | N/R      |
| Deadline: | Standard dates apply |
| To learn more: | [here](http://grants.nih.gov/grants/guide/pa-files/PA-10-069.html) |

**Key Words:** Investigator Initiated

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**Unique Interactions Between Tobacco Use and HIV/AIDS**

**([R01] PA-08-253) and ([R03] PA-08-254)**

PA-08-253 and PA-08-254 National Institute on Drug Abuse (NIDA)
Fogarty International Center (FIC)
The purpose for this FOA issued by the National Institute on Drug Abuse and the Fogarty International Center encourages Research Project Grant (R01) applications from institutions/organizations that propose to stimulate research related to the unique, interactive health effects of cigarette smoking and HIV/AIDS.

| Amount: | unspecified |
| LOI:   | N/R |
| Deadline: | Standard dates apply |
| To learn more: | [here](http://grants.nih.gov/grants/guide/pa-files/PA-08-253.html) and [here](http://grants.nih.gov/grants/guide/pa-files/PA-08-254.html) |

**Key Words:** Smoking, AIDS/HIV

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**Assay Development for High Throughput Screening for Nicotinic Receptor Subunits (R21)**

**RFA-DA-11-007**

National Institute on Drug Abuse (NIDA)
This FOA seeks applications proposing to develop biological assays for constitutive receptor combinations involving α3, α5, α6, and/or β4 subunits, suitable ultimately for configuration as high throughput screening (HTS) assays. Once developed, these HTS-ready assays can, and will be expected to be, submitted for screening ([here](http://grants.nih.gov/grants/guide/notice-files/NOT-RM-09-011.html)) by the National Institutes of Health (NIH) Molecular Libraries Production Centers Network (MLPCN) to identify biologically active compounds in a large library of small molecule chemical structures. The chemical structures uncovered through development and use of these assays could then be used for selective ligand development and as possible lead molecules to guide drug discovery in the development of tobacco smoking cessation medications.

| Amount: | $150,000 |
| LOI:   | December 18, 2010 |
| Deadline: | January 18, 2011 |
| To learn more: | [here](http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-11-007.html) |

**Key Words:**

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**Aging Studies in the Pulmonary System (R01)**

**PA-10-179**

National Institute on Aging (NIA)
National Heart Lung and Blood Institute (NHLBI)
The National Institute on Aging (NIA) and the National Heart Lung and Blood Institute (NHLBI) invite research project grant applications that explore age-associated changes in pulmonary physiology, pathology and function, and their relationship to respiratory conditions and diseases that occur commonly in older populations. The goal of this FOA is to support basic, clinical and translational research to address physiological mechanisms underlying progressive functional declines in the pulmonary system. This research will likely enhance our basic understanding of molecular and cellular aspects of pulmonary aging, which may translate into improvements in the prevention and management of pulmonary diseases in older persons. Projects involving in vitro studies, animal models, and/or human subjects are of significant interest to NIA and NHLBI.

| Amount: | varies |
| LOI:   | N/R |
| Deadline: | Standard dates apply |
| To learn more: | [here](http://grants.nih.gov/grants/guide/pa-files/PA-10-179.html) |

**Key Words:**
Ancillary Studies in Immunomodulation Clinical Trials (R01)
RFA-AI-10-014
National Institute of Allergy and Infectious Diseases (NIAID)
National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)
National Institute of Neurological Disorders and Stroke (NINDS)
National Institute of Diabetes and Digestive and Kidney Diseases
This FOA invites R01 applications for mechanistic studies in clinical trials of: (1) immunomodulatory interventions for immune system-mediated diseases, including, but not limited to: asthma and allergic diseases; graft rejection in solid organ, cell, and tissue transplantation; graft versus host disease in hematopoietic stem cell transplantation; and chronic inflammatory, autoimmune, and immunodeficiency diseases; and (2) preventative and therapeutic, vaccines for non-HIV/AIDS infectious diseases, including NIAID Category A, B, and C agents of bioterrorism and emerging/re-emerging infectious diseases.
Amount: $1,000,000
LOI: Thirty days prior to application receipt date
Deadline: March 9, 2011
Key Words:

Nutrition and Physical Activity Research to Promote Cardiovascular and Pulmonary Health (R01) and (R21)
PA-09-243 and PA-09-244
National Heart, Lung, and Blood Institute (NHLBI)
National Center for Complementary and Alternative Medicine (NCCAM)
National Institute of Nursing Research (NINR)
This FOA encourages Research Project Grant (R01) applications that propose research on the roles of nutrition and physical activity in the development, prevention, and management of cardiovascular diseases (CVD) or pulmonary diseases. In particular, the FOA aims to (1) improve knowledge of the contribution of diet and physical activity to these conditions and how sleep influences these relationships, (2) increase the evidence base for refining public health recommendations and clinical guidelines regarding these lifestyle behaviors, and (3) develop and test strategies to improve the adoption of these recommendations.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Sleep, Physical Activity, Cardiovascular Disease

NHLBI Clinical Trial Pilot Studies (R34)
PAR-10-005
National Heart, Lung, and Blood Institute (NHLBI)
The National Heart, Lung, and Blood Institute (NHLBI) (http://www.nhlbi.nih.gov) invites applications proposing pilot studies to obtain data that is critical for the design of robust clinical trials. This Funding Opportunity Announcement (FOA) should be used to fill gaps in scientific knowledge necessary to develop a competitive full-scale clinical trial. Appropriate pilot studies might demonstrate feasibility of an intervention or an experimental design, estimate intervention parameters, or gather other data important for the design of a trial. Applicants who propose solely to write a protocol or manual of operations or to develop infrastructure for a clinical trial will not be considered appropriate for this announcement. Applications must demonstrate that the proposed pilot studies are both necessary and sufficient to permit the design of the clinical trial.
Amount: $450,000
LOI: 30 days prior to standard application due dates
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-005.html
Key Words: Clinical Trials, Heart, Lung, Blood, or Sleep Disorders

NHLBI Systems Biology Collaborations (R01)
PAR-09-214
National Heart, Lung, and Blood Institute (NHLBI)
This FOA issued by the National Heart, Lung, and Blood Institute (NHLBI), National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/organizations that propose collaborative systems biology research projects by multi-disciplinary teams to advance our understanding of normal physiology and perturbations associated with heart, lung, blood, and sleep (HLBS) diseases and disorders. Multi-disciplinary expertise across experimental and computational domains is required and the multi-PI mechanism is allowed, as integration across these domains is a critical element of the proposed research plan.
Amount: varies
LOI: December 14, 2010; August 14, 2011; December 14, 2011
Deadline: January 13, 2011; September 14, 2011; January 13, 2012
Research Dissemination and Implementation Grants (R18)
PAR-10-114
National Heart, Lung, and Blood Institute (NHLBI)
The purpose of this Funding Opportunity Announcement (FOA) is to support dissemination and implementation studies to (1) develop innovative approaches to translating efficacious treatments and effective prevention modalities for heart, lung, and blood diseases and sleep disorders to the clinic, community, and/or other real-world settings; (2) test the effectiveness, sustainability, determinants, and cost-effectiveness of these approaches in real-world settings; and (3) examine the effectiveness of interventions as they are disseminated and implemented in real-world settings to reduce risk factors for and enhance prevention and treatment of heart, lung, and blood diseases and sleep disorders. Mechanism of Support. This FOA will utilize the NIH Research Demonstration and Dissemination Project (R18) grant mechanism. Funds Available and Anticipated Number of Awards. Awards issued under this FOA are contingent upon the availability of funds and the submission of a sufficient number of meritorious applications.
Amount: varies
LOI: thirty days prior
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-114.html
Key Words: Comparative Effectiveness, Asthma, Hypertension, Blood Lipids, Smoking, Myocardial Infarction, Cerebrovascular Disease, Stroke, Sleep Apnea, Emphysema, Cystic Fibrosis, Occupational Lung Disease, Pulmonary Vascular Disease

NHLBI Program Project Applications (P01)
PAR-10-285
National Heart, Lung, and Blood Institute (NHLBI)
This Funding Opportunity Announcement (FOA), issued by the National Heart, Lung, and Blood Institute (NHLBI) continues the long standing program project program detailed at http://www.nhlbi.nih.gov/funding/resmech.htm and invites submission of investigator-initiated Program Project (P01) applications. The proposed programs may address scientific areas relevant to the NHLBI mission including the biology and diseases of the heart, blood vessels, lung, and blood; blood resources; and sleep disorders. Each P01 application submitted in response to this FOA must include at least three related research projects that share a common central theme, focus, and/or overall objective.
Amount: $7,575,000
LOI: see program announcement
Deadline: Standard dates apply
Key Words: Comparative Effectiveness, Asthma, Hypertension, Blood Lipids, Smoking, Myocardial Infarction, Cerebrovascular Disease, Stroke, Sleep Apnea, Emphysema, Cystic Fibrosis, Occupational Lung Disease, Pulmonary Vascular Disease

Ancillary Studies in Clinical Trials (R01)
RFA-HL-10-024
National Heart, Lung, and Blood Institute (NHLBI)
The purpose of this Funding Opportunity Announcement (FOA) is to solicit research grant applications to conduct time-sensitive ancillary studies related to heart, lung, and blood diseases and sleep disorders in conjunction with ongoing clinical trials and other large clinical studies supported by NIH or non-NIH entities. The program establishes an accelerated review/award process to support the crucial time frame in which these ancillary studies must be performed. Time-sensitive ancillary studies include those that require active longitudinal data collection and thus need to begin recruiting subjects as close as possible to the start of the parent study. The ancillary study can address any research questions related to the mission of NHLBI for which the parent study can provide participants, infrastructure, and data. The parent studies most often will be a clinical trial, but also can be an observational study or registry that can provide a sufficient cohort of well-characterized patients. Each ancillary study application must demonstrate the time-sensitive nature of the proposal and must explicitly address why an expedited review is essential to its feasibility.
Amount: $1,000,000
LOI: December 28, 2010
Deadline: January 28, 2011
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-10-024.html
Key Words: Clinical Trials

Translational Programs in Lung Diseases (P01)
PAR-09-185
National Heart, Lung, and Blood Institute
This FOA issued by the NHLBI, National Institutes of Health, solicits Program Project Grant (P01) applications from institutions/organizations that will perform collaborative, translational research that moves mechanistic research to clinical applications to improve prevention, diagnosis and/or treatment of lung diseases and sleep disorders.

**Amount:** $8,750,000

**LOI:** April 25, 2011; August 25, 2011; April 26, 2012; August 25, 2012

**Deadline:** May 25, 2011; September 25, 2011; May 26, 2012; September 25, 2012


**Key Words:** Sleep Disorders, Lung Diseases

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**Investigator Initiated Multi-Site Clinical Trials (Collaborative R01)**

PAR-10-096

National Heart, Lung, and Blood (NHLBI)

The purpose of this Funding Opportunity Announcement is to provide a vehicle for submitting grant applications for investigator-initiated multi-site Phase II or Phase III randomized, controlled clinical trials. The trials may address any research question related to the mission and goals of NHLBI and may test clinical or behavioral interventions.

**Amount:** varies

**LOI:** N/R

**Deadline:** Standard dates apply


**Key Words:** Clinical Trials

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**NHLBI Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral MD/PhD Fellows (F30)**

PA-09-232

National Heart, Lung and Blood Institute (NHLBI)

The National Heart, Lung, and Blood Institute (NHLBI) is interested in supporting individual predoctoral fellowships for combined MD/PhD training in research areas relevant to the mission of the NHLBI. The NHLBI mission is to provide leadership for national programs in diseases of the heart, blood vessels, lung, and blood; blood resources; and sleep disorders.

**Amount:** varies

**LOI:** N/R

**Deadline:** Standard dates apply


**Key Words:** MD/PhD Fellowships

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**Testing Tobacco Products Promoted to Reduce Harm (R01) and (R21)**

PA-09-046 and PA-09-047

National Cancer Institute (NCI)

National Institute on Drug Abuse (NIDA)

This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI) and the National Institute on Drug Abuse (NIDA), invites applications that propose multidisciplinary research on potential reduced-exposure tobacco products, both smoked and smokeless. The multidisciplinary studies can span basic, biological, behavioral, surveillance, and epidemiology research. The tobacco industry is currently promoting several new products with claims that they: a) are less either harmful or less addictive; and b) purportedly deliver lower amounts of toxic, carcinogenic, and/or addictive agents to the user compared with conventional products. However, to date, the scientific evidence is insufficient to evaluate whether these new products actually reduce the users' exposure or risk for tobacco-related diseases. The overarching goal of this FOA is to determine whether potential reduced-exposure tobacco products provide a truly, less-harmful alternative to conventional tobacco products, both at the individual and population level.

**Amount:** varies

**LOI:** N/R

**Deadline:** Standard dates apply


**Key Words:** Tobacco, Smokeless Tobacco, Tobacco-related Disease

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**Pilot and Feasibility Awards**

**Research Grants**

LeRoy Matthews Physician/Scientist Award and the Harry Shwachman Clinical Investigator Award

Cystic Fibrosis Foundation Therapeutics, Inc. (CFFT)

The CF Foundation (CFF) offers competitive awards for research related to cystic fibrosis. Studies may be carried out at the subcellular, cellular, animal, or patient levels. Two of these funding mechanisms include Pilot and Feasibility Awards and Research Grants. Since these applications are reviewed by the CFF’s Research and Research Training Committee, those proposals that include methodologies
requiring sampling of materials from human subjects will only be considered under this mechanism if the sampling method constitutes minimal patient risk (e.g., venipuncture) and patient samples or data are anonymous. For applications where more invasive procedures are proposed or where patient samples or data will not be anonymous, please submit a Letter of Intent for a Clinical Research Award.

Also, the CF Foundation offers physician-scientist training awards, including the LeRoy Matthews Physician/Scientist Award and the Harry Shwachman Clinical Investigator Award.

Amount: varies
LOI: the CF Foundation will consider NIH applications that have received a competitive score but missed the payline under the CFF/NIH-unfunded award mechanism. These applications are accepted on an on-going basis.
Deadline: first Wednesday in September
To learn more: http://www.cff.org/research/ForResearchers/FundingOpportunities/ResearchGrants/
Key Words: Cystic Fibrosis

Men and Women’s Health

Pilot Study Awards and Scientific Scholar Awards

New
The Marsha Rivkin Center for Ovarian Cancer Research
The Marsha Rivkin Center (MRC) for Ovarian Cancer Research is announcing funds for approximately five Pilot Study Program awards to be allocated based on scientific merit. A one-year award at $75,000 each, Pilot Study Program awards will support investigator-initiated projects in all areas of ovarian cancer research.

Amount: up to $70,000
LOI: N/R
Deadline: December 1, 2010
To learn more: http://marsharivkin.org/research/apply.html
Key Words:

FY10 Breast Cancer Research Program (BCRP)

New
W81XWH-10-BCRP-POSTDOC2
Department of Defense (DoD)
Congressionally Directed Medical Research Programs (CDMRP)
The Postdoctoral Fellowship Award supports exceptionally talented recent medical or other doctoral graduates performing innovative, high-impact breast cancer research during their postdoctoral training, and allows them to obtain the necessary experience for an independent career at the forefront of breast cancer research. Candidates for this award should exhibit a strong desire to pursue a career in breast cancer research.

Amount: $300,000
LOI: November 18, 2010
Deadline: December 2, 2010
To learn more: http://cdmrp.army.mil/funding/bcrp.shtml
Key Words:

Chronic Fatigue Syndrome: Pathophysiology and Treatment

[[R01] PA-08-246] and [[R21] PA-08-247]
PA-08-246 and PA-08-247
Office of Research on Women’s Health
National Center for Complementary and Alternative Medicine
National Institute on Aging
National Institute on Alcohol Abuse and Alcoholism
National Institute of Allergy and Infectious Diseases
National Institute of Arth
This Funding Opportunity Announcement (FOA) issued by the Office of Research on Women’s Health (ORWH) and co-sponsoring Institutes and Centers (ICs) of the National Institutes of Health (NIH) encourages investigator(s)-initiated applications that propose to examine the etiology, diagnosis, pathophysiology, and treatment of chronic fatigue syndrome (CFS), also known as myalgic encephalomyelitis (ME/CFS) in diverse groups and across the lifespan. Innovative applications that address gaps in the understanding of the environmental and biological risk factors, the determinants of heterogeneity among patient populations, and the common mechanisms influencing the multiple body systems that are affected in CFS are encouraged. The NIH is particularly interested in funding interdisciplinary research that will enhance our knowledge of the disease process and provide evidence based solutions to
improve the diagnosis, treatment, and quality of life of all persons with CFS. This FOA will utilize the NIH Research Project Grant (R01) award mechanism and runs in parallel with a FOA of identical scientific scope, PA-08-247, that encourages applications under the NIH Exploratory/Developmental (R21) grant mechanism.

Amount: varies
LOI: N/R
Deadline: Standard dates apply


Key Words: Myalgic Encephalomyelitis, Chronic Fatigue Syndrome, CFS

Role of Adipose Tissue as an Endocrine Organ in Reproduction and Infertility (R01) [PA-08-059] and (R21) [PA-08-060]

NIH

This Funding Opportunity Announcement (FOA) issued by the National Institute of Child Health and Human Development, National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/organizations that propose to better understand the role of adipose tissue in the normal physiological regulation of reproduction, to discern its possible role in the etiology of diseases and disorders that impact human fertility, and to probe its potential importance in different racial/ethnic prevalence rates of certain reproductive disorders.

Amount: varies
LOI: N/R
Deadline: multiple, see link


Key Words:

Research Supplements to Promote Re-Entry Into Biomedical and Behavioral Research Careers - ODS

PA-04-126

National Institutes of Health (NIH)
Office of the Director (OD)
Office of Dietary Supplements

The Office of Research on Women's Health (ORWH), participating Institutes and Centers (ICs) of the National Institutes of Health (NIH), and the Office of Dietary Supplements (ODS) announce a continuing program for administrative supplements to research grants to support individuals with high potential to re-enter an active research career after taking time off to care for children or attend to other family responsibilities. The aim of these supplements is to encourage such individuals to re-enter research careers within the missions of all the program areas of NIH. This program will provide administrative supplements to existing NIH research grants for the purpose of supporting full-time or part-time research by these individuals in a program geared to bring their existing research skills and knowledge up to date. It is anticipated that at the completion of the supplement, the re-entry scientist will be in a position to apply for a career development (K) award, a research award (R), or some other form of independent research support. A second objective of the program is to mentor and guide those who receive support to reestablish careers in biomedical, behavioral, clinical or social science research. In all cases, the proposed research must be directly related to the funded approved ongoing research of the parent grant or cooperative agreement.

Amount: unspecified
LOI: N/R
Deadline: continuous

To learn more: http://grants1.nih.gov/grants/guide/pa-files/PA-04-126.html

Key Words: Biomedical Research (Multidisciplinary), Nutrition Education, Nutrition or Dietetics

Advancing Novel Science in Women's Health Research (ANSWHR) (R21)

PAS-10-226

National Institutes of Health (NIH)
multiple institutes

The purpose of this Funding Opportunity Announcement (FOA), issued by the Office of Research on Women's Health (ORWH) and co-sponsoring NIH institutes and centers (ICs), is to promote innovative, interdisciplinary research that will advance new concepts in women's health research and the study of sex/gender differences. Recent research reports have established the importance of studying issues specific to women, including the scientific and clinical importance of analyzing data separately for females and males. ORWH is particularly interested in encouraging extramural investigators to undertake new interdisciplinary research to advance studies on how sex and gender factors affect women's health; however, applications in all areas of women's health and/or sex/gender research are invited.

Amount: $275,000
LOI: N/R
Contextual Approaches to Prevention of Unintended Pregnancy

[[R01] PA-09-014] and [[R21] PA-09-015]

PA-09-014 and PA-09-015
National Institutes of Health

The purpose of this Funding Opportunity Announcement (FOA) is to strengthen and revitalize scientific research on the prevention of unintended pregnancies in the United States. The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) invites R01 research grant applications that will inform interventions addressing the cultural and structural factors that produce high rates of unintended pregnancy across the reproductive age span, especially in low-income populations in the United States. These interventions can operate at a wide range of levels, from clinical interventions to interventions that influence cultural, economic, social, structural, and/or policy factors contributing to unintended pregnancy. -Mechanism of Support. This FOA will utilize the R01 grant award mechanism and runs in parallel with a FOA of identical scientific scope, PA-09-015, that solicits applications under the NIH Exploratory/Developmental (R21) grant award mechanism.

Amount: varies
LOI: N/R
Deadline: Standard dates apply


Key Words: Contextual Approaches to Prevention of Unintended Pregnancy

Medications Development for the Treatment of Pregnant/Postpartum Women with Substance Related Disorders and/or In Utero Substance Exposed Neonates (R01) and (R21)

PA-09-106 and PA-09-107
National Institute on Drug Abuse

The purpose of this FOA is to foster the development of novel pharmacological strategies for the treatment of pregnant/postpartum women with Substance Related Disorders (SRDs) and/or in utero substance exposed neonates. To that end, this FOA issued by NIDA, National Institutes of Health, will encourage applications to implement preclinical and clinical research directed towards: 1) the identification, evaluation, and development of safe and effective novel pharmacotherapies (e.g., new chemical entities or immunotherapies) for the treatment of pregnant/postpartum women with SRDs and/or in utero substance exposed neonates, and/or 2) the evaluation of the safety and efficacy of FDA approved medications (e.g., medications approved for a different indication) for the treatment of pregnant/postpartum women with SRDs and/or in utero substance exposed neonates.

Amount: varies
LOI: N/R
Deadline: Standard dates apply


Key Words: Fetal Maternal Health, Substance Abuse

Bioenergetics, Fatigability, and Activity Limitations in Aging (R01) and (R21) and (R03)

PA-09-190
National Institute on Aging (NIA)
National Heart, Lung, and Blood Institute (NHLBI)
National Institute of Nursing Research (NINR)
Office of Research on Women's Health (ORWH)
Office of Dietary Supplements (ODS)

This FOA issued by the National Institute on Aging (NIA), the National Heart, Lung, and Blood Institute (NHLBI), the National Institute of Nursing Research (NINR), the Office of Research on Women's Health (ORWH), and the Office of Dietary Supplements (ODS). encourages Research Project Grant (R01) applications proposing to study bioenergetic factors underlying increased fatigability and activity limitations in aging. Increased fatigability is a significant cause of restricted physical and cognitive activity in older adults. Alterations in bioenergetics—the production and utilization of energy, and the regulation of these processes—may contribute significantly to increased fatigability. This FOA encourages applications that propose to 1) elucidate specific alterations in bioenergetics related to increased fatigability and activity limitations; 2) develop and evaluate improved measures of fatigability related to bioenergetics; 3) evaluate interventions for increased fatigability and activity limitations that target alterations in bioenergetics and lead to improved quality of life.

Amount: varies
LOI: N/R
Deadline: Standard dates apply
Women's Mental Health in Pregnancy and the Postpartum Period (R01)
PA-09-174 and PA-09-175
National Institute of Mental Health (NIMH)
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
National Institute on Drug Abuse (NIDA)
Center for Primary Care, Prevention, and Clinical Partnerships (CP3)
In this Funding Opportunity Announcement (FOA), the National Institute of Mental Health (NIMH), the National Institute on Drug Abuse (NIDA), the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), and the Agency for Healthcare Research and Quality, encourage research on women's mental health in relation to pregnancy and the postpartum period. As illustrated by a few highly publicized cases, the consequences of severe untreated postpartum depression and psychosis can be devastating for individuals, families, and communities. A recent evidence-based practice report from the Agency for Healthcare Research and Quality noted that depression is also prevalent during pregnancy as well as the postpartum period, therefore research that occurs throughout pregnancy and the postpartum period (the perinatal period) is encouraged.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Post-Partum Depression

In Utero Exposure to Bioactive Food Components and Mammary Cancer Risk (R01) [PA-08-0140]
In Utero Exposure to Bioactive Food Components and Mammary Cancer Risk (R21) [PA-08-0141]
PA-08-140 and PA-08-141
National Cancer Institute
National Institute of Environmental Health Sciences
Office of Dietary Supplements
This Funding Opportunity Announcement (FOA) encourages innovative preclinical research applications that will enhance the understanding of the relationship between exposure(s) to bioactive food components and/or environmental chemicals in utero, hormonal and growth-factor response, gene expression or epigenetic changes, and subsequent mammary cancer risk in preclinical models. This FOA encourages applications that apply new high-throughput genomic, epigenomic, proteomic, and metabolomic technologies to determine how dietary exposures in utero influence adult breast cancer susceptibility. The resulting information will help define effective maternal dietary intervention strategies for breast cancer prevention in offspring.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words:

Marsha Rivkin Center 2011 Grants
Marsha Rivkin Center for Ovarian Cancer Research
The Marsha Rivkin Center for Ovarian Cancer Research is delighted to once again make Pilot Study Awards and Scientific Scholar Awards available, with funding to start April 2011.

Pilot Study Awards help pave the way for new avenues of ovarian cancer research and to expand our understanding of the disease. Scientific Scholar Awards open doors to new investigators entering ovarian cancer research. Pilot Study Awards will be funded at $75,000 for one year while Scientific Scholar Awards will be funded at $60,000 for one year.

Amount: up to $75,000
LOI: N/R
Deadline: December 1, 2010
To learn more: http://marsharivkin.org/research/apply.html
Key Words:

Predoctoral and Postdoctoral Training Program in Reproductive, Obstetric, Perinatal and Pediatric Epidemiology and Pharmacoepidemiology (T32)
This Funding Opportunity Announcement (FOA) issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), solicits grant applications from institutions/organizations for the predoctoral and postdoctoral training program in reproductive, obstetric, perinatal and pediatric epidemiology and pharmacoepidemiology. This program supports broad and fundamental, early stage graduate research training and postdoctoral training in reproductive, obstetric, perinatal, and pediatric epidemiology as well as pharmacoepidemiology via institutional training grants.

**Amount:** varies

**LOI:** April 25, 2011, April 25, 2012

**Deadline:** May 25, 2011, May 25, 2012


**Key Words:**

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**Postdoctoral Research Training for Obstetricians and Gynecologists (T32)**

**PAR-10-203**

The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), will award Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) to eligible institutions as the primary means of supporting predoctoral and postdoctoral research training to help ensure that a diverse and highly trained workforce is available to assume leadership roles related to the Nation’s biomedical, behavioral and clinical research agenda.

The primary objective of the T32 program is to prepare qualified individuals for careers that have a significant impact on the health-related research needs of the Nation. The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) will award T32 programs to prepare qualified obstetricians and gynecologists to assume leadership roles related to the Nation’s biomedical, behavioral and clinical research agenda through a training program composed of a collaboration between a department of obstetrics and gynecology and a department of epidemiology, biostatistics, or preventive medicine (or equivalent). This initiative will increase the cadre of obstetrician gynecologists with good epidemiologic and clinical trials training to better carry out future clinical and translational research.

**Amount:** varies

**LOI:** April 25, 2011, April 25, 2012

**Deadline:** May 25, 2011, May 25, 2012


**Key Words:**

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**NICHD Program Project Grant (P01)**

**PAR-10-245**

Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)

This funding opportunity announcement (FOA) issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), National Institutes of Health (NIH) encourages innovative, multidisciplinary, interactive, and synergistic program project grant applications from institutions/organizations that propose to conduct research on reproductive, developmental, behavioral, social, and rehabilitative processes that determine the health or functioning of newborns, infants, children, adults, families, and populations. The purpose of the P01 mechanism is to encourage investigation of complex problems relevant to NICHD’s mission and to facilitate economy of effort, space, and equipment. Under appropriate circumstances, the collaborative research effort of a program project can accelerate the acquisition of knowledge more effectively than a simple aggregate of research projects without thematic integration.

**Amount:** varies

**LOI:** N/R

**Deadline:** Standard dates apply


**Key Words:**

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**Vulvodynia - Systematic Epidemiologic, Etiologic or Therapeutic Studies (R01), (R03) and (R21)**

**PAR-10-190, PAR-10-191 and PAR-10-192**

Eunice Kennedy Shriver National Institute of Child Health and Human Development

The purpose of this Funding Opportunity Announcement (FOA) is to invite investigator-initiated applications that address basic, clinical, translational, epidemiological and/or behavioral research on vulvodynia and related symptom-based conditions. The goal of the initiative is to facilitate new research on diagnostic, prevention, and therapeutic approaches to vulvodynia, a chronic pelvic pain condition in women. An expected outcome will be to provide findings useful for development of future prevention or treatment strategies. It is anticipated that these studies will increase our understanding of the pathophysiology, biologic and behavioral risk factors, natural history, and genetics of vulvodynia.

**Amount:** varies with the award
Preclinical Research on Model Organisms to Predict Treatment Outcomes for Disorders Associated with Intellectual and Developmental Disabilities (R01)

New
PAR-11-038
National Institutes of Health (NIH)
multiple institutes
This FOA issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), the National Institute of Mental Health (NIMH), and the National Institute of Neurological Disorders and Stroke (NINDS), National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/organizations addressing preclinical research in model organisms of neurodevelopmental disorders. Applications responsive to this FOA will propose to develop, validate, and/or calibrate outcome measures, surrogate markers, and biomarkers in model organisms that can inform and effectively translate to human clinical trials for individuals with intellectual and developmental disabilities (IDD). In addition, applications may propose to conduct rigorous, controlled and standardized preclinical animal trials designed for safety, toxicity, and efficacy prediction or to perform an independent validation of efficacy in animals prior to human clinical trials. The goal of this FOA is to accelerate and improve the preclinical testing of candidate treatments and therapeutic compounds in order to move promising new drug therapies into clinical trials. Potential applicants may be interested in the FOA “Outcome measures for use in treatment trials of individuals with intellectual and developmental disabilities” issued simultaneously with this FOA.

Amount: $2,500,000
LOI: N/R
Deadline: Standard dates apply

Key Words:
effectiveness testing when a grant will either result in, or substantially contribute to, approval or conditional approval of a designated MUMS drug. Applicants must include an explanation of how the proposed study will help gain product approval or conditional approval in the application’s “Background and Significance” section. All funded studies are subject to the requirements of the act (21 U.S.C. 331 et seq.), regulations issued under it, and applicable Department of Health and Human Services (HHS) statutes and regulations.

Amount: $300,000
LOI: N/R
Deadline: February 4, 2011, August 5, 2011
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-FD-10-001.html

Key Words: Animal Drugs

Thyroid in Aging
(R01) [PA-08-037] and (R21) [PA-08-038] and (R03) [PA-08-039]
PA-08-037
NIH
The purpose of this funding opportunity announcement (FOA) is to encourage submission of investigator-initiated research applications on the thyroid in aging. This FOA is intended to promote basic, translational, and clinical studies leading to increased understanding of the physiology of the aging thyroid and improved diagnosis and management of thyroid disease in older adults
Amount: varies
LOI: N/R
Deadline: multiple; see announcement

Key Words: Animal Drugs

Robotics Technology Development and Deployment [RTD2] (R43)
PAR-10-279
National Institutes of Health (NIH)
multiple institutes
Department of Defense (DOD)
National Science Foundation (NSF)
USDA
Department of Homeland Security
The National Institutes of Health (NIH), Defense Advanced Research Projects Agency (DARPA), National Science Foundation (NSF), United States Department of Agriculture (USDA) and the Department of Homeland Security encourage applications for the development of technologies that will advance the field of robotics.
Scientific interests for this joint-agency FOA include, but are not limited to, research directed towards innovations or advancements in robotic technologies and devices for: Robotics for Home Healthcare, Personalized Care for Special-needs Populations, and Robotic Wellness/Health Promotion; Robot-Assisted Recovery, Rehabilitation, and Behavioral Therapy; High-throughput Robotics Technologies; Better Than Biology Actuators; Patient Mobility and Rehabilitation Robotics; Dexterous Manipulators with Tactile Feedback; Multi-Agent Command, Coordination, and Communication; Robotic Co-Worker Assistive Technologies; robotics to render improvised explosive devices safe; and robotics for cross border tunnels. Specific areas of interests under this FOA are described under Section I.
Amount: $100,000
LOI: November 20, 2010
Deadline: December 20, 2010
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-279.html

Key Words: High-Throughput Robotics; Remote Sensing Technologies; Robotics for biospecimen Collection, Preparation, Storing, Aliquoting, and Retrieving; Surgical Tools and Techniques; Cancer Interventions; Treatment of Cardiovascular Disease; Targeted Delivery of Cells and Theapeutics; Surgical Training; Medical Training Robotics for Medical Students

NIH Exploratory Developmental Research Grant Program (Parent R21)
PA-10-069
National Institutes of Health (NIH)
multiple institutes
The National Institutes of Health (NIH) Exploratory/Developmental Grant (R21) funding opportunity supports the development of new research activities in categorical program areas. (Support generally is restricted in level of support and in time.) Investigator-initiated research, also known as unsolicited research, is research funded as a result of an investigator submitting a research grant application to NIH in an investigators area of interest and competency. All investigator-initiated exploratory/developmental applications described in this announcement will be assigned to NIH Institutes and Centers (ICs) according to standard Public Health Service (PHS) referral guidelines and specific program interests. Investigators are strongly encouraged to consult the list of participating ICs and special
research interests. The Exploratory/Developmental Grant (R21) mechanism is intended to encourage exploratory and developmental research projects by providing support for the early and conceptual stages of these projects. These studies may involve considerable risk but may lead to a breakthrough in a particular area, or to the development of novel techniques, agents, methodologies, models, or applications that could have a major impact on a field of biomedical, behavioral, or clinical research.

Amount: $275,000  
LOI: N/R  
Deadline: Standard dates apply  
Key Words: Investigator Initiated

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**Research Project Grant (Parent R01)**  
PA-10-067  
National Institutes of Health (NIH)  
multiple institutes  
The Research Project Grant (R01) is an award made to an institution/organization to support a discrete, specified, circumscribed project to be performed by the named investigator(s) in areas representing the specific interests and competencies of the investigator(s). The R01 research plan proposed by the applicant institution/organization must be related to the stated program interests of one or more of the NIH Institutes and Centers (ICs) based on descriptions of their programs.

Amount: varies  
LOI: N/R  
Deadline: Standard dates apply  
Key Words: Eye, Cancer, Imaging, Alcohol Abuse, Aging, Arthritis, CAM, Deafness, Dental, Diabetes, Environmental Health Sciences

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**NIH Small Research Grant Program (Parent R03)**  
PA-10-064  
National Institutes of Health (NIH)  
multiple institutes  
The National Institutes of Health (NIH) Investigator-Initiated Small Grant (R03) funding opportunity supports small research projects that can be carried out in a short period of time with limited resources. Investigator-initiated research, also known as unsolicited research, is research funded as a result of an investigator submitting a research grant application to NIH in an investigator's area of interest and competency. All investigator-initiated small grant applications described in this announcement will be assigned to NIH Institutes and Centers (ICs) according to standard Public Health Service (PHS) referral guidelines and specific program interests. Investigators are strongly encouraged to consult the list of participating ICs and special research interests. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. The R03 is intended to support small research projects that can be carried out in a short period of time with limited resources.

Amount: $100,000  
LOI: N/R  
Deadline: Standard dates apply  
Key Words: Genome Research, Drug Abuse, Aging, Child Health and Development, Nursing

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**Bioengineering Research Grants (BRG)(R01)**  
Exploratory/Developmental Bioengineering Research Grants (EBRG) [R21]  
PA-10-009 and PA-10-010  
National Institutes of Health (NIH)  
multiple agencies  
Participating Institutes and Centers of the NIH invite applications for R01 awards to support Bioengineering Research Grants (BRGs) for basic and applied multi-disciplinary research that addresses important biological, bioengineering or medical research problems. The BRGs support multi-disciplinary research performed in a single laboratory or by a small number of investigators that applies an integrative, systems approach to develop knowledge and/or methods to prevent, detect, diagnose, or treat disease or to understand health and behavior. A BRG application may propose hypothesis-driven, discovery-driven, developmental, or design-directed research.

Amount: varies  
LOI: N/R  
Deadline: Standard dates apply  
Key Words: Bioengineering, Technology
NIDCD Research Core Centers (P30)
PAR-10-077
National Institute on Deafness and Other Communication Disorders (NIDCD)
The NIDCD P30 Core Center grant contains one or more research-serving cores, providing centralized resources and facilities for funded R01 research projects. Although no funds are provided for direct support of research projects, a P30 helps to integrate and promote research in existing funded projects, and may include multi-disciplinary and regional collaborations. A Core Center must be an identifiable organizational unit either within a single grantee institution or representing a consortium of cooperating institutions (e.g., geographic or web-based). The Center may serve as an intellectual hub to stimulate cooperative research, to increase the effectiveness, capabilities or productivity of current research, and/or to promote new research directions through collaborations. Individual research cores of the Core Center may provide for sharing technical expertise or centralizing labor-intensive tasks common among several investigators (PD/PIs); staffing, training and maintenance of shared equipment or resources, including tools or staffing to enhance activities such as recruitment databases for clinical projects; or problem-solving through innovative technical solutions using the most current methodologies. NIDCD P30 funds do not provide patient services, or support unfunded pilot studies, or facilitate research other than for funded user projects, unless directly related to advancing the potential of the Core Center itself. A P30 may provide benefits to other core centers or the larger community through sharing data or technology.
Amount:  $2,500,000
LOI:  30 days before application receipt dates
To learn more:  http://grants.nih.gov/grants/guide/pa-files/PAR-10-077.html
Key Words:  Shared Equipment, Resource Cores, Communication Disorders

Centers of Biomedical Research Excellence (COBRE) Phase III: Transitional Centers [P30]
PAR-10-196
National Center for Research Resources (NCRR)
The National Center for Research Resources (NCRR) of the NIH invites applications for COBRE infrastructure support grants. The objectives of this FOA are to continue support of infrastructure at Centers of Biomedical Research Excellence (COBRE) that have received 10 years of funding from NCRR. This FOA is supported through the Institutional Development Award (IDeA) Program at the National Center for Research Resources (NCRR) of NIH.
Amount:  $3,750,000
LOI:  N/R
Deadline:  July 20, 2011, and July 20, 2012
To learn more:  http://grants.nih.gov/grants/guide/pa-files/PAR-10-196.html
Key Words:  IDeA, Core Resources, Equipment Upgrades and Replacement

Renewal of Centers of Biomedical Research Excellence (COBRE) [P20]
PAR-09-180
National Center for Research Resources (NCRR)
The National Center for Research Resources (NCRR) of the NIH invites applications for renewal (competing continuation) of eligible Centers of Biomedical Research Excellence (COBRE) grants. The objective of the COBRE initiative is to strengthen an institution's biomedical research infrastructure through the establishment of a thematic, multi-disciplinary center and to enhance the ability of investigators to compete independently for National Institutes of Health (NIH) individual research grants or other external peer-reviewed support. COBRE awards are supported through the Institutional Development Award (IDeA) Program, which aims to foster health-related research by increasing the competitiveness of investigators at institutions located in states with historically low aggregate success rates for grant awards from the NIH.
Amount:  $2,200,000
LOI:  N/R
Deadline:  September 22, 2011
To learn more:  http://grants.nih.gov/grants/guide/pa-files/PAR-09-180.html
Key Words:  Multi-disciplinary centers, COBRE

Development of Animal Models and Related Biological Materials For Research (R21)
PA-10-138
National Center for Research Resources (NCRR)
This funding opportunity announcement (FOA) issued by NCRR, National Institutes of Health, encourages research grant applications from institutions/organizations that propose to develop, characterize or improve animal models for human disease or to improve diagnosis and control diseases of laboratory animals that may interfere with research. Models to be considered must be applicable to the research interests of two or more categorical NIH Institutes/Centers. Investigators considering applying are strongly encouraged to consult with NCRR program staff as early as possible to be advised whether this FOA is appropriate. Proposals to develop models that would not have broad applications, but would apply only to a specific disease or category of research, should be proposed to the
appropriate categorical institute of the National Institutes of Health (NIH), e.g., models or model systems with primary focus on cancer or heart diseases should contact those categorical institutes at NIH to discuss alternative funding opportunities.

**Amount:** $275,000

**LOI:** N/R

**Deadline:** Standard dates apply


**Key Words:** Animal Models of Disease

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### Grants for Research in the Life Sciences (multiple disciplines)

**Mathers Charitable Fund (MCF)**

The G. Harold & Leila Y. Mathers Foundation is primarily interested in supporting fundamental basic research in the life sciences. Support is provided for specific projects from established researchers at top universities and independent research institutions within the United States.

**Amount:** unspecified

**LOI:** N/R

**Deadline:** Continuous, queries and requests are processed when received.

**To learn more:** [http://www.mathersfoundation.org/](http://www.mathersfoundation.org/)

**Key Words:**

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### Travel Grants

**Boehringer Ingelheim Fonds (BIF) - Foundation for Basic Research in Biomedicine**

Travel Grants are available to junior researchers pursuing experimental projects in basic biomedical research. to learn clearly-defined methods useful for your ongoing research and the work of your research group at home by visiting another laboratory, or by attending research-orientated courses which include practical training.

**Amount:** 3 months support

**LOI:** N/R

**Deadline:** Continuous

**To learn more:** [http://www.bifonds.de/cgi-bin/show.pl/travel_grants/travel_grants.html?sid=iw5d2ej4y1oz8takvjsb4dr4i0a3hoe4](http://www.bifonds.de/cgi-bin/show.pl/travel_grants/travel_grants.html?sid=iw5d2ej4y1oz8takvjsb4dr4i0a3hoe4)

**Key Words:** Biological Sciences, Biomedical Research Resources, Biomedical Research Training, Health and Medicine

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### Musculoskeletal Diseases

**Cooperative Program in Translational Research for Neuromuscular Disease (U01)**

**PAR-08-229**

**National Institute of Neurological Disorders and Stroke**

**National Institute of Arthritis and Musculoskeletal and Skin Diseases**

The goal of this funding opportunity announcement (FOA), from the National Institute of Neurological Disorders and Stroke (NINDS) and the National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), is to support preclinical development and testing of new therapies for neuromuscular diseases. The program will facilitate solicitation, development, and review of therapy-directed projects to accelerate the translation of basic research discoveries into therapeutic candidates for clinical testing. This program is specifically directed at projects that include therapeutic leads with demonstrated activity against the intended disease target. The program supports preclinical optimization and testing of these leads and projects must be sufficiently advanced that an IND or IDE application to the FDA can be submitted by the end of the project period. The program does not support early-stage therapeutic discovery activities such as high throughput screening. The program also excludes clinical research, basic research, and studies of disease mechanism. This is a milestone-driven cooperative agreement program involving participation of NIH staff in the development of the project plan and monitoring of research progress.

**Amount:** varies

**LOI:** N/R

**Deadline:** Standard dates apply

**To learn more:** [http://grants.nih.gov/grants/guide/pa-files/PAR-08-229.html](http://grants.nih.gov/grants/guide/pa-files/PAR-08-229.html)

**Key Words:** Neuromuscular Diseases, Stroke, Neurological Disease

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**Exploratory/Developmental Projects in Translational Research for Neuromuscular Disease (R21)**

**PAR-08-228**

**National Institute of Neurological Disorders and Stroke**

**National Institute of Arthritis and Musculoskeletal and Skin Diseases**
This Funding Opportunity Announcement (FOA), from the National Institute of Neurological Disorders and Stroke (NINDS) and the National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), requests applications for projects intended to complete preliminary steps in the pipeline for the preclinical development of therapeutics for neuromuscular diseases. Such projects, if successful, should lead directly to a subsequent project that will include all remaining activities for submission of an Investigational New Drug (IND) or Investigational Device Exemptions (IDE) application to the Food and Drug Administration (FDA). Only Aims required for therapy development can be supported in this program. This program excludes clinical research, basic research, and studies of disease mechanisms.

**Amount:** $275,000  
**LOI:** N/R  
**Deadline:** Standard dates apply  

**Key Words:** Neuromuscular Diseases, Stroke, Neurological Disease

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**Ancillary Studies to Large Ongoing Clinical Projects (R01) and (R21)**  
RFA-AR-11-012 and RFA-AR-11-013  
National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)

This Funding Opportunity Announcement (FOA) solicits applications that propose to conduct time-sensitive ancillary studies related to the NIAMS mission in conjunction with privately or publicly funded, large, ongoing clinical projects. The ongoing “parent” project can be a large clinical trial or observational study, or a disease registry that can provide a sufficient cohort of well-characterized patients, infrastructure, data, and biological samples. Applications submitted in response to this FOA will undergo an accelerated review and award process. Each application must include a timeline to demonstrate that the parent project has adequate time left to accommodate the proposed ancillary study. In addition, it must justify the time-sensitive nature of the ancillary study and the need for an expedited review and award process. It must also document permission from the parent project to use the patient cohorts, data, and biological materials. The objective of this FOA is to provide a flexible mechanism to leverage established resources and maximize the return on existing investments in parent projects. Successful ancillary studies will enhance the scientific content and value of the parent projects, improve the research community’s understanding of a disease or organ system in the NIAMS portfolio, and thus identify novel targets for diagnosis, treatment, and prevention of disease.

**Amount:** $1,000,000  
**LOI:** November 3, 2010; March 1, 2011  
**Deadline:** December 3, 2010; April 1, 2011


**Key Words:**

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**Pilot and Feasibility Clinical Research Grants in Arthritis and Musculoskeletal and Skin Diseases (R21)**  
PAR-10-282  
National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)

This FOA, issued by National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS) of the National Institutes of Health, encourages exploratory/developmental clinical research related to the prevention or treatment of arthritis and musculoskeletal and skin diseases, conditions, and/or injuries. The Pilot and Feasibility Clinical Research Grants Program is designed to allow initiation of exploratory, short-term clinical studies, so that new ideas may be investigated without stringent requirements for preliminary data. The short-term studies should focus on research questions that are likely to gather critical preliminary data in support of a future, planned clinical trial. They can include testing new or prevention strategies, a new intervention, or unique combinations of therapies. A high priority is the use of such studies to help stimulate the translation of promising research developments from the laboratory into clinical practice.

**Amount:** $275,000  
**LOI:** N/R  
**Deadline:** March 1, 2011, July 1, 2011; Nov 1, 2011; March 1, 2012; July 2, 2012; Nov 1, 2012; March 1, 2013; July 1, 2013


**Key Words:**

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**Replication, Fine-Mapping and Sequencing: Follow-Up on Genome-Wide Association Studies for Arthritis and Musculoskeletal and Skin Diseases (R01)**  
PAR-09-135  
National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)

This Funding Opportunity Announcement (FOA), issued by the National Institute of Arthritis and Musculoskeletal and Skin Diseases, National Institutes of Health, encourages applications that propose to perform replication, fine-mapping, and sequencing studies of human genomic regions that are putatively associated with phenotypes relevant to the NIAMS mission. Genomic regions of interest are primarily those identified by genome-wide association studies (GWAS). The objective of this FOA is to enhance the identification of causal genes and genetic variants that influence complex diseases relevant to the NIAMS mission. Replication, fine-mapping, and
Nanomedicine/Nanotechnology

ARL/ARO Broad Agency Announcement-Revised

W911NF-07-R-0001-02

U.S. Army Research Laboratory (ARL)

14.0. Extramural research in the Life Sciences is supported by the Army Research Office. For those proposals related to purely medical topics, the investigator is invited to contact the U.S. Army Medical Research and Materiel Command. For research in the behavioral and social sciences or in training techniques, contact the Army Research Institute for Behavioral and Social Sciences. The ARO Life Sciences Division research program is currently focused on four sub areas work packages. The titles, scopes and points of contact for these work packages, each of which address general aspects of basic research in biotechnology, as well as the specific thrusts described, are listed below. A small number of symposia, conferences and workshops are also supported in part or in whole to provide an exchange of ideas related to ongoing programs in Army laboratories. Potential offerors are strongly encouraged to contact the appropriate TPOC for preliminary discussions on their ideas before any submissions. The TPOC may invite the offeror to submit a preproposal.

14.1. Bioengineering. Fundamental studies to define structure-function relationships and biochemical interactions for enzymes, receptors and other macromolecules exhibiting mechanisms and properties uniquely relevant to synthetic and degradative pathways of interest to the military, including establishment of the foundations for manipulation and exploitation of biocatalysis, ribosomal and non-ribosomal biosynthesis to enhance permissiveness toward elaboration of useful biomolecular structures and cellular systems designed with “metabolic engineering” in mind. Also, research to provide insight from nature on novel theoretical principles and mechanisms in sensory and motor function, as well as on materials with extraordinary properties, from biological sources. Includes not only initial molecular events, signal transduction pathways and integrated information processing for the powerful sensing capabilities exhibited in the biological world, but also self-assembly processes, hierarchical structure formation, and functional characterization of biomolecular materials such as those with potential “biomimetic” utility for nanometer scale fabrication or for energy and information transfer, among other possibilities. Technical Point of Contact: Dr. Robert Kokoska, Robert.kokoska@us.army.mil, (919) 549-4342.

14.2 Molecular Genetics and Genomics. This program emphasizes basic research in molecular genetics and genomics that will enable optimization of soldier cognitive and physical performance, soldier protection, and Army logistics. This includes human performance and protection under both normal conditions, and when affected by a variety of stressors that are likely to be encountered in battlefield situations, such as dehydration, heat, cold, sleep deprivation, fatigue, caloric insufficiency, microbial factors, and psychological stress. Genetic and genomic research areas include identification and characterization of gene function, gene regulation, genetic interactions, gene pathways, gene expression patterns, mitochondrial regulation and biogenesis, and nuclear and mitochondrial DNA replication, mutagenesis, oxidative stress, and DNA repair. Also molecular responses to pathogens, pathogen identification, and pathogen inactivation, as well as host-pathogen interactions, and host components of infection and resistance to infection. This program is also interested in the biotechnology of microarrays, including both genomic- and proteomic-based platforms, for real-time detection of pathogens or physiological states that would reduce or interfere with human performance. This program also supports development of new biomaterials and bioproduction methods, and other advances in biotechnology methods and applications. Technical Point of Contact: Dr. Micheline Strand, e-mail: Micheline.strand@us.army.mil, (919) 549-4343.

14.3. Microbiology and Biodegradation. Biochemical and physiological mechanisms, underlying the biodegradative processes in normal, extreme, and engineered environments and fundamental studies on organisms in these environments, the properties of materials that make them susceptible or resistant to biological attack, basic concepts for anti-fungals, and studies of microbiological mechanisms with potential for contributing to the remediation of sites contaminated with toxic wastes. Included are research investigations in analytical microbiology (including microbial signatures), and in general microbial mechanisms with relevance to Army problems. Addressed here also is research into microbial communities and how to study organisms that cannot be grown in the lab, as well as research into methods to enhance the stabilization of military materiel, which would include methods to prevent microbial growth. Also included is the development of microbial systems for unique biotechnological applications and bioengineering processes with individual microbial species or consortia of microorganisms, emphasizing the control, stability, and mechanisms of the basic cellular processes involved. Technical Point of Contact: Dr. Micheline Strand, e-mail: Micheline.strand@us.army.mil, (919) 549-4343.

14.4 Neurophysiology and Cognitive Neuroscience. Research in the perception and cognition subfields of neurophysiology and the cognitive neurosciences, covering several or all areas of electrophysiology, psychophysiology, sensory and perceptual physiology, computational neurobiology, psychophysics, neuropsychology, and integrative neurobiology is of interest. Specific examples can include physiological, neuro-neurological and/or cortical/cognitive mechanisms underlying successful completion of complex task behaviors applicable to non-laboratory environments under non-ideal conditions, to include both amelioration of induced losses as well as enhancement in defined perceptual, cognitive and/or motor...
abilities. Investigations can span the gamut from multi-unit recordings through evoked potentials and neuro-imaging technologies to humoral and psychological correlates of both central and peripheral nervous system function. Non-medically oriented research designed to elucidate the fundamental physiology underlying cognition and possible non-invasive methods of monitoring cognitive states and processes during normal activity is appropriate. Perceptual and/or psychophysiological implications of mind-machine interfaces ranging from optimizing auditory, visual and/or somatosensory display and control systems based on physiological or psychological states through modeling of individual cognitive dynamics and decision making is appropriate to this research area. Technical Point of Contact: Dr. Elmar T. Schmeisser e-mail elmar.schmeisser@us.army.mil, (919) 549-4318.

Amount: unspecified
LOI: N/R
Deadline: September 30, 2011
To learn more: http://www.arl.army.mil/www/DownloadedInternetPages/CurrentPages/DoingBusinesswithARL/research/07-r-0001-02_amendment2.pdf
Key Words: Human Performance, Microbial Signatures, Perception and Cognition

Nanoscience and Nanotechnology in Biology and Medicine (R01) [PA-08-052] and (R21) [PA-08-053]
PA-08-052 and PA-08-053
NIH
This funding opportunity (FOA) is aimed at enhancing nanoscience and nanotechnology research focused on problems in biology and medicine.
Amount: varies
LOI: N/R
Deadline: multiple, see listing
Key Words:

Bioengineering Nanotechnology Initiative (STTR [R41/R42]) and (SBIR [R43/R44])
PA-10-149 and PA-10-150
National Institutes of Health (NIH)
multiple institutes
Nanotechnology is the understanding and control of matter at dimensions between approximately 1 and 100 nanometers, where unique phenomena enable novel applications. Encompassing nanoscale science, engineering, and technology, nanotechnology involves imaging, measuring, modeling, and manipulating matter at this length scale. The purpose of this trans-NIH Funding Opportunity Announcement (FOA) is to stimulate Small Business Technology Transfer (STTR) grant applications that employ nanotechnology to enable the development of diagnostics and interventions for treating diseases.
Amount: up to $750,000
LOI: N/R
Deadline: Standard dates apply
Key Words: Nanotechnology, Diagnostics and Disease Interventions

Innovation in Molecular Imaging Probes (R01)
PAR-09-016
National Institute of Biomedical Imaging and Engineering
National Institute on Aging
National Institute of Arthritis and Musculoskeletal and Skin Diseases
Eunice Kennedy Shriver National Institute of Child Health and Human Development
National Institute
This FOA is issued by the National Institute of Biomedical Imaging and Bioengineering, National Institutes of Health. This FOA is a follow up of a previous Roadmap RFA (RM-04-021 "Innovation in Molecular Imaging Probes"). The purpose of this initiative is to encourage the development of novel molecular imaging approaches that can detect and image specific molecular activities in vivo, and have the potential for clinical applications. Novel molecular imaging approaches developed through this initiative can focus on one (or both) of the following long-term translational goals: (1) imaging the characteristic markers, and function, of normal cells in control human subjects and patients, and (2) imaging the characteristic markers, and biochemical or physiological abnormalities, of disease cells in patients. Potential abnormalities that could provide early markers for disease include (but are not restricted to): inflammation, fibrosis, immune cell activation, altered signal transduction pathways, altered gene expression pathways, and altered post-translational modification of proteins. This initiative solicits applications that explore innovative "high-impact" approaches, rather than incremental technology development that is already supported by current NIH programs.
Amount: varies
LOI: August 21, 2010; April 20, 2011; August 21, 2011
Mitochondria in Cancer Epidemiology, Detection, Diagnosis and Prognosis (R01) [PA-08-143] and (R21) [PA-08-144]

PA-08-143 and PA-08-144
National Cancer Institute
This funding opportunity announcement (FOA) encourages Research Project Grant (R01) applications that propose to develop and validate new mitochondrial-related biomarkers for cancer early detection, diagnosis, prognosis, risk assessment, and response to preventive and ameliorative treatments.
Amount: varies
LOI: N/R
Deadline: Standard dates apply

Key Words: Molecular Imaging Probes

Defense Sciences Research & Technology
DARPA-BAA-10-55
Defense Sciences Research & Technology
Defense Sciences Office (DSO)
The mission of the Defense Advanced Research Projects Agency’s (DARPA) Defense Sciences Office (DSO) is to pursue and exploit fundamental science and innovation for National Defense. Therefore, DSO is soliciting proposal abstracts and full proposals for advanced research and development in a variety of enabling technical areas.

Basic Neuroscience Research: DSO is interested in neuroscience research ideas enabling innovation in the science and technology for improved human performance, specifically to overcome the challenges encountered in the operational environment. The areas for research may span fundamental, applied, and computational neuroscience.

Physics of Nano-Materials and Devices: DSO is interested in fundamental and applied research in nano-materials, design methodologies, and potential device application (e.g., navigation, communication, and sensing of chemical, biological, optical, infrared, acoustic, magnetic, and other signals of interest).

Basic Biology Research: DARPA is interested in fundamental and applied research in the biological sciences across all scales (e.g., quantum to ecological) to contribute to defense capabilities including development of synergies with other disciplines (e.g., information technology, micro/nanotechnology, manufacturing). While broad in scope, novel approaches to biomedical applications, biological warfare defense, and human performance optimization are of particular interest.

Amount: unspecified
LOI: N/R
Deadline: anytime until May 5, 2011
To learn more: https://www.fbo.gov/?s=opportunity&mode=form&id=ffbd2c735e17e3a64fd0c2e4f792ae93&tab=core&_cview=0

Key Words: Protein Conformation, Safety or Efficacy of Therapeutics and Vaccines, Field Medical Therapies, Technologies for Non-invasive and/or remote Assessment of Physiological Status, Devices for Rapid Synthesis and Molecular Analysis of Biomolecules and Structures, Unidentified Microbes, Neurotrauma, Penetrating and Non-penetrating Injuries, Stress, Real-time Neural Signal Acquisition and Analysis

Advances in Bioscience for Airmen Performance
BAA-09-02-RH
Air Force Research Laboratory, Human Effectiveness Directorate, Biosciences and Performance Division (AFRL/RHP)
The 711th Human Performance Wing, Human Effectiveness Directorate is soliciting white papers under this announcement for innovative science and technology projects to support advanced bioscience research. Specifically, the Biosciences and Performance Division is seeking unique and innovative research concepts that address its technical mission areas. Research is sought primarily in the following four technical areas: 1) Applied Biotechnology, 2) Biobehavioral Performance, 3) Biomechanics, and 4) Counter proliferation.

1) Applied Biotechnology - Goal is to develop and exploit advances in biotechnology and associated nanotechnologies to enhance performance and situational awareness of the force.

2) Biobehavioral Performance – Goal is to develop bio-based methods and techniques to sustain and optimize airmen’s cognitive performance.

3) Vulnerability Analysis – Goal is to rapidly identify human threat conditions, and sustain/expand Airmen performance in stressful environments. It includes research in physical and physiological biosignatures, neuroscience, anthropometry, biomechanics, human modeling, database networking, and data mining.

4) Counter proliferation – Goal is to improve the Air Force’s ability to locate, identify, track, target, and destroy biological warfare agents (BWA) and other weapons of mass destruction (WMD), as well as anticipate and mitigate WMD effects on AF operations.
HIV Infection of the Central Nervous System (R01)

New
PA-11-014
National Institutes of Health (NIH)
multiple institutes
The National Institute of Mental Health (NIMH), National Institute on Alcohol Abuse and Alcoholism (NIAAA), National Institute on Drug Abuse (NIDA), and the National Institute of Neurological Disorders and Stroke (NINDS) invite research grant applications focused on defining the pathogenic mechanisms involved in Human Immunodeficiency Virus (HIV)-1 Associated Neurocognitive Disorders (HAND) and, identifying therapeutic strategies to treat and prevent the neurobehavioral and neurological effects of HIV-1 on the central nervous system (CNS). Applications ranging from basic research to clinical diagnosis and treatment in domestic and international settings are of interest. Multidisciplinary research teams and collaborative alliances are encouraged but not required.
Amount: varies
LOI: N/R
Deadline: January 7, 2011
Key Words: Gene Expression Balance, Protein Expression Patterns, Phenotypic Patterns, Biomarker Signatures, Cognitive Performance

HIV Infection of the Central Nervous System And Their Roles In Drug Abuse (R01)

New
PA-11-027
National Institute on Drug Abuse (NIDA)
This Funding Opportunity Announcement (FOA) issued by NIDA encourages Research Project Grant (R01) applications from institutions/organizations that propose to study the development of the frontal and prefrontal cortices, together with the subcortical areas of the limbic system, that play significant roles in mediating emotional and motivated behavior. This initiative is designed to support the basic neuroscience research into the fundamental mechanisms of development of the frontal and prefrontal cortices, as well as the midbrain and basal forebrain structures that mediate a number of functions related to drug abuse and psychiatric disorders including: the euphoric properties of drugs, actions of psychotherapeutic agents, and memory, cognitive and emotional functions. An additional major goal of this initiative is to understand how exposure to drugs of abuse affects the cellular and molecular mechanisms underlying nervous system development of circuits implicated in drug reward and addiction.
Amount: varies

Limited Competition: Fogarty International Research Collaboration - Basic Biomedical (FIRCA-BB) Research Award (R03)

New
PAR-11-037
National Institutes of Health (NIH)
multiple institutes
This Funding Opportunity Announcement (FOA), the "Fogarty International Research Collaboration – Basic Biomedical (FIRCA-BB) Research Award" facilitates collaborative basic biomedical research between scientists supported by the National Institutes of Health (NIH) and investigators in low-and middle-income countries (LMIC). Special consideration will be given to proposed research that addresses significant global health problems, (particularly those of high relevance to a LMIC country or region) and that includes research capacity building as a major aim of the proposed project.
Amount: $150,000
LOI: December 10, 2010; 2011; 2012
Key Words:
ARL/ARO Broad Agency Announcement-Revised
W911NF-07-R-0001-02
U.S. Army Research Laboratory (ARL)

14.0 Extramural research in the Life Sciences is supported by the Army Research Office. For those proposals related to purely medical topics, the investigator is invited to contact the U.S. Army Medical Research and Materiel Command. For research in the behavioral and social sciences or in training techniques, contact the Army Research Institute for Behavioral and Social Sciences. The ARO Life Sciences Division research program is currently focused on four subarea work packages. The titles, scopes and points of contact for these work packages, each of which address general aspects of basic research in biotechnology, as well as the specific thrusts described, are listed below. A small number of symposia, conferences and workshops are also supported in part or in whole to provide an exchange of ideas related to ongoing programs in Army laboratories. Potential offerors are strongly encouraged to contact the appropriate TPOC for preliminary discussions on their ideas before any submissions. The TPOC may invite the offeror to submit a preproposal.

14.1 Bioengineering. Fundamental studies to define structure-function relationships and biochemical interactions for enzymes, receptors and other macromolecules exhibiting mechanisms and properties uniquely relevant to synthetic and degradative pathways of interest to the military, including establishment of the foundations for manipulation and exploitation of biocatalysis, ribosomal and non-ribosomal biosynthesis to enhance permissiveness toward elaboration of useful biomolecular structures and cellular systems designed with "metabolic engineering" in mind. Also, research to provide insight from nature on novel theoretical principles and mechanisms in sensory and motor function, as well as on materials with extraordinary properties, from biological sources. Includes not only initial molecular events, signal transduction pathways and integrated information processing for the powerful sensing capabilities exhibited in the biological world, but also self-assembly processes, hierarchical structure formation, and functional characterization of biomolecular materials such as those with potential "biomimetic" utility for nanometer scale fabrication or for energy and information transfer, among other possibilities. Technical Point of Contact: Dr. Robert Kokoska, Robert.kokoska@us.army.mil, (919) 549-4342.

14.2 Molecular Genetics and Genomics. This program emphasizes basic research in molecular genetics and genomics that will enable optimization of soldier cognitive and physical performance, soldier protection, and Army logistics. This includes human performance and protection under both normal conditions, and when affected by a variety of stressors that are likely to be encountered in battlefield situations, such as dehydration, heat, cold, sleep deprivation, fatigue, caloric insufficiency, microbial factors, and psychological stress. Genetic and genomic research areas include identification and characterization of gene function, gene regulation, genetic interactions, gene pathways, gene expression patterns, mitochondrial regulation and biogenesis, and nuclear and mitochondrial DNA replication, mutagenesis, oxidative stress, and DNA repair. Also molecular responses to pathogens, pathogen identification, and pathogen inactivation, as well as host-pathogen interactions, and host components of infection and resistance to infection. This program is also interested in the biotechnology of microarrays, including both genomic- and proteomic-based platforms, for real time detection of pathogens or physiological states that would reduce or interfere with human performance. This program also supports development of new biomaterials and bioproduction methods, and other advances in biotechnology methods and applications. Technical Point of Contact: Dr. Micheline Strand, e-mail: Micheline.strand@us.army.mil, (919) 549-4343.

14.3 Microbiology and Biodegradation. Biochemical and physiological mechanisms, underlying the biodegradative processes in normal, extreme, and engineered environments and fundamental studies on organisms in these environments, the properties of materials that make them susceptible or resistant to biological attack, basic concepts for anti-fungals, and studies of microbial mechanisms with potential for contributing to the remediation of sites contaminated with toxic wastes. Included are research investigations in analytical microbiology (including microbial signatures), and in general microbial mechanisms with relevance to Army problems. Addressed here also is research into microbial communities and how to study organisms that cannot be grown in the lab, as well as research into methods to enhance the stabilization of military materiel, which would include methods to prevent microbial growth. Also included is the development of microbial systems for unique biotechnological applications and bioengineering processes with individual microbial species or consortia of microorganisms, emphasizing the control, stability, and mechanisms of the basic cellular processes involved. Technical Point of Contact: Dr. Micheline Strand, e-mail: Micheline.strand@us.army.mil, (919) 549-4343.

14.4 Neurophysiology and Cognitive Neuroscience. Research in the perception and cognition subfields of neurophysiology and the cognitive neurosciences, covering several or all areas of electrophysiology, psychophysiology, sensory and perceptual physiology, computational neurobiology, psychophysics, neuropsychology, and integrative neurobiology is of interest. Specific examples can include physiological, neuro-psychological and/or cortical/cognitive mechanisms underlying successful completion of complex task behaviors applicable to nonlaboratory environments under non-ideal conditions, to include both amelioration of induced losses as well as enhancement in defined perceptual, cognitive and/or motor abilities. Investigations can span the gamut from multi-unit recordings through evoked potentials and neuro-imaging technologies to humoral and psychological correlates of both central and peripheral nervous system function. Non-medically oriented research designed to elucidate the fundamental physiology underlying cognition and possible non-invasive methods of monitoring cognitive states and processes during normal activity is appropriate. Perceptual and/or psychophysiological implications of mind-machine interfaces ranging from optimizing auditory, visual and/or somatosensory display and control systems based on physiological or psychological states.
through modeling of individual cognitive dynamics and decision making is appropriate to this research area. Technical Point of Contact: Dr. Elmar T. Schmeisser e-mail elmar.schmeisser@us.army.mil, (919) 549-4318.

Amount: unspecified
LOI: N/R
Deadline: September 30, 2011
To learn more: [link]
Key Words: Human Performance, Microbial Signatures, Perception and Cognition

Translational Grants
The American Brain Tumor Association
These awards help scientists further develop studies on the cusp of moving from the laboratory into patient testing. These $75,000 one year grants often support the collection of the preclinical data researchers need to apply for major funding from other sources, such as the National Cancer Institute (NCI) or the National Institute of Neurological Disorders and Stroke (NINDS). Applicants must be in the earlier years of their investigator career. Criteria for funding include the quality and therapeutic potential of the research, the quality of the laboratory environment, and the applicant.

Amount: $75,000
LOI: N/R
Deadline: January 8, 2011
To learn more: [link]
Key Words: Brain Tumor

Lab to Marketplace: Tools for Brain and Behavioral Research (SBIR [R43/R44])
PA-08-071
NIH
The NIH Blueprint for Neuroscience Research is a framework to enhance cooperative activities among the NIH Office of the Director and 15 NIH Institutes and Centers that support research on the nervous system. This Funding Opportunity Announcement (FOA) is released in affiliation with the Neuroscience Blueprint, with Institutes and Centers participating independently, and with participation by Institutes and Centers that are not part of the Blueprint. This FOA encourages the translation of technologies for brain or behavioral research from academic and other non-small business research sectors to the marketplace. Solicited from Small Business Concerns (SBCs) are Small Business Innovation Research (SBIR) grant applications that propose to further develop, make more robust, and make more user-friendly such technologies in preparation for commercial dissemination. It is expected that this activity will require partnerships and close collaboration between the original developers of these technologies and SBCs, which may be accomplished in any of a number of ways, including the use of multiple principle investigators.

Amount: varies
LOI: N/R
Deadline: continuous, see listing
To learn more: [link]
Key Words:

Alzheimer's Disease Pilot Clinical Trials (R01)
PAR-08-062
NIH
This Funding Opportunity Announcement (FOA) issued by the National Institute on Aging (NIA), the National Center for Complementary and Alternative Medicine (NCCAM), and the National Institute of Nursing research (NINR), National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/ organizations that propose to initiate pilot clinical trials for treatment or prevention of MCI, AD, and/or age –related cognitive decline

Amount: up to $450,000 per year for 3 years
LOI: N/R
Deadline: multiple, see link
To learn more: [link]
Key Words:

Advanced Tools and Technologies for Deep Brain Stimulation (STTR [R41/R42] and SBIR [R43/R44])
PA-10-175 and PA-10-176
National Institutes of Health (NIH)
multiple institutes
This Funding Opportunity Announcement (FOA) encourages Small Business Technology Transfer (STTR) grant applications from small business concerns (SBCs) for projects to design and develop advanced tools and technologies that will lead to improved clinical treatment for Deep Brain Stimulation (DBS) patients.

**Amount:** varies

**LOI:** N/R

**Deadline:** Standard dates apply


**Key Words:**

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**NIH Blueprint for Neuroscience Research Competitive Revisions for Studies Focused on Neuropathic Pain or Neural Plasticity to Promote Collaborative Pain Research (R01)**

PAR-10-204

National Institutes of Health (NIH)

multiple institutes

The goal of this FOA is to facilitate the partnering of pain scientists and non-pain neuroscientists from the field of neural plasticity to capture insights and expertise from disciplines where transitions from health to disease have been extensively examined. An expected outcome of this FOA will be the formation of partnerships between pain researchers and non-pain neuroscientists to develop new collaborations focused on understanding the maladaptive neuroplastic changes that occur during the transition from acute to chronic pain. It is anticipated that these initial collaborations will lead to new applications for highly innovative projects centered on similar studies of the transition from acute to chronic pain. The purpose of this FOA is to encourage the submission of competitive revision applications that propose a collaborative, one year pilot study or a new specific aim associated with an active NIH grant. The parent grant may be focused on pain or on neural plasticity outside the area of pain.

**Amount:** $75,000

**LOI:** N/R

**Deadline:** September 28, 2011; September 28, 2012


**Key Words:**

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**Bioengineering Research Partnerships (BRP)[R01]**

PAR-10-234

National Institutes of Health (NIH)

multiple institutes

Participating Institutes and Centers (ICs) of the National Institutes of Health (NIH) invite applications for R01 awards to support Bioengineering Research Partnerships (BRPs) for basic, applied, and translational multi-disciplinary research that addresses important biological, clinical or biomedical research problems. In the context of this program, a partnership is a multi-disciplinary research team, that applies an integrative, systems approach to develop knowledge and/or methods to prevent, detect, diagnose, or treat disease or to understand health and behavior. The partnership must operate according to a clear leadership plan and include appropriate bioengineering or allied quantitative sciences in combination with biomedical and/or clinical components. BRPs may propose, within a 12-page research strategy section, design-directed, developmental, discovery-driven, or hypothesis-driven research at universities, national laboratories, medical schools, large or small businesses, or other public and private entities or combinations of these entities, and will be evaluated against expanded review criteria. It is expected that a BRP will have a well-defined goal or deliverable that will be achieved in a 5-10 year timeframe based on objective milestones specified in the initial application.

**Amount:** varies

**LOI:** N/R

**Deadline:** Standard Dates apply


**Key Words:**

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**Research on Autism and Autism Spectrum Disorders (R01), (R03), and (R21)**

PA-10-158, PA-10-159, and PA-10-160

National Institutes of Health (NIH)

multiple institutes

This funding opportunity announcement (FOA) encourages research grant applications to support research designed to elucidate the etiology, epidemiology, diagnosis, treatment, and optimal means of service delivery in relation to autism spectrum disorders (ASD). Basic, clinical, and applied studies are encouraged. This FOA is intended to support the broad research goals of the Strategic Plan for ASD Research ([http://iacc.hhs.gov/reports/2009/iacc-strategic-plan-for-autism-spectrum-disorder-research-jan26.shtml](http://iacc.hhs.gov/reports/2009/iacc-strategic-plan-for-autism-spectrum-disorder-research-jan26.shtml)).

**Amount:** varies

**LOI:** N/R

**Deadline:** Standard dates apply
NIDA Research Education Program for Clinical Researchers and Clinicians (R25)
PAR-10-173
National Institute on Drug Abuse (NIDA)
The NIDA Research Education Program will support research education and training for those in clinically focused careers. Participants (those receiving the research education and training) should be training for careers as clinical researchers, clinicians/service providers, or optimally, a combination of the two. This mechanism may not be used for support of non-research related clinical training. In addition, applicant organizations may only propose research education experiences at the following levels of professional career development: medical/graduate student, postdoctoral fellow, medical resident, and/or independent scientist. Research education and training activities may be in any topic area related to substance use/abuse/addiction; however, the following are examples of particular relevance to this FOA: etiology; clinical assessment and diagnostics; treatment; prevention; health services; clinical neuroscience; medical consequences of drug abuse; and pre-clinical research as it pertains to translational research. Interdisciplinary research education is encouraged and may include co-morbid conditions and consequences of drug use such as HIV/AIDS. Education partnerships and collaborations are also encouraged.
Amount: $1,750,000
LOI: 30 days prior to the application submission date
To learn more: http://grants.nih.gov/grants-guide/pa-files/PAR-10-173.html
Key Words: Autism, Autism Spectrum Disorders, ASD

Imaging - Science Track Award for Research Transition (I/START) [R03]
PAR-09-073
National Institute on Drug Abuse (NIDA)
This funding opportunity announcement (FOA) issued by the National Institute on Drug Abuse encourages Small Research Grant (R03) applications to facilitate the entry of investigators to the area of neuroimaging, including both new investigators and established investigators seeking to adopt neuroimaging methodologies in their research programs. The R03 is intended to support small research projects that can be carried out in a short period of time with limited resources.
Amount: $150,000
LOI: 30 days prior to the application due date
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants-guide/pa-files/PAR-09-073.html
Key Words: Neuroimaging

Grants for Alzheimer's Disease Drug Discovery (R21)
PAS-10-151
National Institute on Aging (NIA)
The goal of this FOA is to advance the discovery of new, efficacious therapies for the treatment, delay of progression, or prevention of Alzheimer's disease (AD), mild cognitive impairment (MCI) and age-related cognitive decline. This FOA encourages the early stages of drug discovery necessary to identify promising disease-modifying therapies as well as treatments aimed at ameliorating the cognitive and neuropsychiatric/behavioral symptoms characteristic of Alzheimer's disease. Studies aimed at the discovery and testing of therapies directed at a variety of established as well as novel therapeutic targets are encouraged. The goal is not to duplicate or compete with pharmaceutical companies but to encourage the process of discovering new, innovative, and effective therapeutics for the prevention and treatment of the cognitive impairment and behavioral symptoms associated with Alzheimer's disease.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants-guide/pa-files/PAS-10-151.html
Key Words: Alzheimer’s Disease

Alzheimer's Disease Drug Development Program (U01)
PAR-08-266
National Institute on Aging (NIA)
The objective of this solicitation is to stimulate research in the pre-clinical development and testing of novel therapeutic compounds aimed at slowing, halting, or reversing the progressive decline in cognitive function and modifying the behavioral symptoms in Alzheimer's disease (AD); or delaying the onset of or preventing AD, mild cognitive impairment (MCI), or age-related cognitive decline. This initiative is intended to stimulate activities focused on providing sufficient data to submit an Investigational New Drug (IND)
application to the Food and Drug Administration to begin human clinical testing of potential new therapies. For this program neither mechanistic/basic studies nor clinical trials will be supported; only applications to develop a therapy will be accepted.

**Amount:** $4,000,000

**LOI:** January 3, 2011, February 1, 2011, September 1, 2011 and October 3, 2011. (Note: The October and February letters of receipt dates are for amended applications only).

**Deadline:** February 1, 2011, March 1, 2011, October 1, 2011 and November 1, 2011. (Note: The November and March receipt dates are for amended applications only).

To learn more: [http://grants.nih.gov/grants/guide/pa-files/PAR-08-266.html](http://grants.nih.gov/grants/guide/pa-files/PAR-08-266.html)

**Key Words:** Alzheimer’s Disease, Cognitive Function, Cognitive Impairment

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**The Role of Apolipoprotein E, Lipoprotein Receptors and CNS Lipid Homeostasis in Brain Aging and Alzheimer’s Disease (R01)**

PA-09-217

National Institute on Aging (NIA)

This FOA encourages multidisciplinary and interdisciplinary research to elucidate how Apolipoprotein E, lipoprotein receptors and CNS lipid homeostasis influence brain aging and the transition to neurodegeneration in Alzheimer’s disease (AD). The ultimate goal is to gain an in-depth understanding of the mechanisms by which the Apolipoprotein E e4 allele confers increased AD risk for the purpose of advancing the overall search for efficacious AD treatments and Apolipoprotein E e4-directed therapeutics in particular. To this end we encourage research spanning multiple levels of analysis in multiple species (from mice to man). Studies aimed at identifying new therapeutic targets for the treatment of AD and other age-related neurodegenerative conditions associated with lipid neurobiology are strongly encouraged. Also of great interest are projects that aim to use lipidomics, various types of imaging and other cutting edge technologies to identify and develop early biomarkers of neurodegeneration associated lipid dyshomeostasis.

**Amount:** varies

**LOI:** N/R

**Deadline:** Standard dates apply


**Key Words:** Apolipoprotein, Alzheimer’s Disease

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**Alzheimer’s Disease Drug Development Program (U01)**

PA-10-205

National Institute on Aging (NIA)

The objective of this solicitation is to stimulate research in the pre-clinical development and testing of novel therapeutic compounds aimed at slowing, halting, or reversing the progressive decline in cognitive function and modifying the behavioral symptoms in Alzheimer’s disease (AD); or delaying the onset of or preventing AD, mild cognitive impairment (MCI), or age-related cognitive decline. This initiative is intended to stimulate activities focused on providing sufficient data to submit an Investigational New Drug (IND) application to the Food and Drug Administration to begin human clinical testing of potential new therapies. For this program neither mechanistic/basic studies nor clinical trials will be supported; only applications to develop a therapy will be accepted.

**Amount:** $4,000,000

**LOI:** January 5th, May 5th, September 5th

**Deadline:** Standard dates apply


**Key Words:**

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**Mechanisms, Models, Measurement, & Management in Pain Research (R01), (R03) and (R21)**

PA-10-006 and PA-10-008 and PA-10-007

National Institute of Nursing Research (NINR)

National Cancer Institute (NCI)

National Center for Complementary and Alternative Medicine (NCCAM)

National Institute on Aging (NIA)

National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)

The purpose of this Funding Opportunity Announcement (FOA), “Mechanisms, Models, Measurement, & Management in Pain Research” issued by the National Institute of Nursing Research (NINR), in conjunction with members of the NIH Pain Consortium as listed above, is to inform the scientific community of the pain research interests of the various Institutes and Centers (ICs) at the National Institutes of Health (NIH) and to stimulate and foster a wide range of basic, clinical, and translational studies on pain as they relate to the missions of these ICs. New advances are needed in every area of pain research, from the micro perspective of molecular sciences to the macro perspective of behavioral and social sciences. Although great strides have been made in some areas, such as the identification of neural pathways of pain, the experience of pain and the challenge of treatment have remained uniquely individual and unsolved. Furthermore, our understanding of how and why individuals transition to a chronic pain state after an acute insult is limited. Research to address these issues conducted by interdisciplinary and multidisciplinary research teams is strongly encouraged, as is research from underrepresented, minority, disabled, or women investigators.
Exploratory/Developmental Projects in Translational Research for Neuromuscular Disease (R21)
PAR-08-228
National Institute of Neurological Disorders and Stroke
National Institute of Arthritis and Musculoskeletal and Skin Diseases
This Funding Opportunity Announcement (FOA), from the National Institute of Neurological Disorders and Stroke (NINDS) and the National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), requests applications for projects intended to complete preliminary steps in the pipeline for the preclinical development of therapeutics for neuromuscular diseases. Such projects, if successful, should lead directly to a subsequent project that will include all remaining activities for submission of an Investigational New Drug (IND) or Investigational Device Exemptions (IDE) application to the Food and Drug Administration (FDA). Only Aims required for therapy development can be supported in this program. This program excludes clinical research, basic research, and studies of disease mechanisms.

Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-228.html

Key Words: Neuromuscular Diseases, Stroke, Neurological Disease

Cooperative Program in Translational Research for Neuromuscular Disease (U01)
PAR-08-229
National Institute of Neurological Disorders and Stroke
National Institute of Arthritis and Musculoskeletal and Skin Diseases
The goal of this funding opportunity announcement (FOA), from the National Institute of Neurological Disorders and Stroke (NINDS) and the National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), is to support preclinical development and testing of new therapies for neuromuscular diseases. The program will facilitate solicitation, development, and review of therapy-directed projects to accelerate the translation of basic research discoveries into therapeutic candidates for clinical testing. This program is specifically directed at projects that include therapeutic leads with demonstrated activity against the intended disease target. The program supports preclinical optimization and testing of these leads and projects must be sufficiently advanced that an IND or IDE application to the FDA can be submitted by the end of the project period. The program does not support early-stage therapeutic discovery activities such as high throughput screening. The program also excludes clinical research, basic research, and studies of disease mechanism. This is a milestone-driven cooperative agreement program involving participation of NIH staff in the development of the project plan and monitoring of research progress.

Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-229.html

Key Words: Neuromuscular Diseases, Stroke, Neurological Disease

International Neuroscience Fellowship (F05)
PAR-10-167
National Institute of Neurological Disorders and Stroke (NINDS)
National Institute on Aging (NIA)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
Eunice Kennedy Shriver National Institute of Child Health & Human Development (NICHD)
The goal of the International Neuroscience Fellowship (INF) is to advance the training of qualified foreign neuroscientists and clinicians at the early or mid-career level, by enhancing their basic, translational or clinical research skills in a research setting in the United States (U.S.). This program aims to strengthen the intellectual capital of neuroscience research in international institutions. Awardees are expected to pursue future independent and productive careers, which stimulate research in the neurosciences on a global scale.

Amount: unspecified
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-167.html

Key Words: Neuroscience Fellows
Advanced Neural Prosthetics Research and Development (U01)
PA-09-063
National Institute of Neurological Disorders and Stroke (NINDS)
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
National Institute of Biomedical Imaging and Bioengineering (NIBIB)
The purpose of this Funding Opportunity Announcement (FOA) is to encourage applications to pursue translational and pilot clinical studies for neural prosthetics. The program will utilize the cooperative agreement mechanism to enable support for milestone-driven projects for the design, development, and demonstration of clinically-useful neural prosthetic devices. Activities supported in this program include implementation of clinical prototype devices, preclinical safety and efficacy testing, design verification and validation activities, pursuit of regulatory approval for clinical study, and proof-of-concept or pilot clinical studies.
Amount:  $5,000,000
LOI:  N/R
Deadline:  Standard dates apply
To learn more:  http://grants.nih.gov/grants/guide/pa-files/PA-09-063.html
Key Words:  Neural Prosthetics

NINDS Cooperative Program in Translational Research – Single-Component Research Projects (U01)
PAR-08-233
National Institute of Neurological Disorders and Stroke (NINDS)
The goal of this funding opportunity announcement (FOA) is to support pre-clinical development and testing of new therapies for neurological disorders. The program will facilitate solicitation, development, and review of therapy-directed projects to accelerate the translation of basic research discoveries into therapeutic candidates for clinical testing. This program is specifically directed at projects that include therapeutic leads with demonstrated activity against the intended disease target. The program supports pre-clinical optimization and testing of these leads and projects must be sufficiently advanced that an IND or IDE application to the FDA can be submitted by the end of the project period. The program does not support early-stage therapeutic discovery activities such as high throughput screening. The program also excludes clinical research, basic research, and studies of disease mechanism. This is a milestone-driven cooperative agreement program involving participation of NINDS staff in the development of the project plan and monitoring of research progress
Amount:  varies
LOI:  N/R
Deadline:  Standard dates apply
To learn more:  http://grants.nih.gov/grants/guide/pa-files/PAR-08-233.html
Key Words:  Clinical translational, neurology, neurological disorders

NINDS Institutional Center Core Grants to Support Neuroscience Research (P30)
PAR-08-116
National Institute of Neurological Disorders and Stroke (NINDS)
NINDS Center Core Grants will support centralized resources and facilities shared by investigators with existing NINDS-funded research projects. Each Center will be composed of one or more research cores, each of which will enrich the effectiveness of ongoing research, and promote new research directions. There should be no overlap between the requested core facilities and other pre-existing core facilities.
-Mechanism of Support. This Funding Opportunity Announcement (FOA) will use the NIH Center Core Grants (P30) award mechanism.
Amount:  $2,500,000
LOI:  30 days before the standard receipt dates
Deadline:  January 25, 2011
Key Words:  Neuroscience

NINDS Exploratory/Developmental Projects in Translational Research (R21)
PAR-08-232
National Institute of Neurological Disorders and Stroke (NINDS)
This Funding Opportunity Announcement (FOA) requests applications for projects intended to complete preliminary steps in the pipeline for the pre-clinical development of therapeutics for neurological disorders. Such projects, if successful, should lead directly to a subsequent project that will include all remaining activities for submission of an Investigational New Drug (IND) or Investigational Device Exemptions (IDE) application to the Food and Drug Administration (FDA). Only Aims required for therapy development can be supported in this program. This program excludes clinical research, basic research and studies of disease mechanism.
Amount:  $275,000
LOI:  N/R
NINDS Cooperative Program in Translational Research for Resistant Epilepsy and Epileptogenesis (U01)
PAR-10-144
National Institute of Neurological Disorders and Stroke (NINDS)
The goal of this funding opportunity announcement (FOA), from the National Institute of Neurological Disorders and Stroke (NINDS) is to support preclinical development of new therapies to cure epilepsy, prevent the emergence of epilepsy following brain injury (including status epilepticus, traumatic brain injury, stroke, encephalitis, or other injury) or in other high-risk groups, or to better treat individuals with intractable epilepsy. The program will facilitate solicitation, development, and review of therapy-directed projects to accelerate the translation of basic research discoveries into therapeutic candidates for clinical testing. This program is specifically directed at projects that include therapeutic leads with demonstrated activity against the intended disease target. The program supports preclinical optimization and testing of these leads and projects must be sufficiently advanced that an IND or IDE application to the FDA can be submitted by the end of the project period. The program does not support early-stage therapeutic discovery activities such as high throughput screening. The program also excludes clinical research, basic research, and studies of disease mechanism. This is a milestone-driven cooperative agreement program involving participation of NIH staff in the development of the project plan and monitoring of research progress.
Amount:  varies
LOI:  30 days prior to each submission date
Deadline:  Standard dates apply
To learn more:  http://grants.nih.gov/grants/guide/pa-files/PAR-10-144.html
Key Words:  Epilepsy

NINDS Cooperative Program in Translational Research - Resource Centers (U24)
PAR-08-236
National Institute of Neurological Disorders and Stroke (NINDS)
The goal of this Funding Opportunity Announcement (FOA) is to implement a program of cooperative agreements that will support milestone-driven, resource-related projects focused on providing products and services that are required for the preclinical testing of new therapeutics, and that are specific to neurology.
Amount:
LOI:  N/R
Deadline:  Standard dates apply (May 25, and September 25. AIDS application submission dates are May 7, September 7, and January 7)
To learn more:  http://grants.nih.gov/grants/guide/pa-files/PAR-08-236.html
Key Words:  Neurological Disorders, Neurology, Neuroscience, Clinical translational

NINDS Exploratory Clinical Trials (R01)
PAR-10-199
National Institute of Neurological Disorders and Stroke (NINDS)
The purpose of this Funding Opportunity Announcement (FOA) is to provide a vehicle for submitting grant applications for investigator-initiated exploratory clinical trials to the National Institute of Neurological Disorders and Stroke (NINDS). The trials must address research questions related to the mission and goals of the NINDS and may evaluate drugs, biologics, devices, or surgical, behavioral or rehabilitation therapies.
Amount:  varies
LOI:  N/R
Deadline:  Standard R01 dates
To learn more:  http://grants.nih.gov/grants/guide/pa-files/PAR-10-199.html
Key Words:

NINDS Cooperative Program in Translational Research - Multi-Component Research Projects (U54)
PAR-08-234
National Institute of Neurological Disorders and Stroke (NINDS)
The goal of this Funding Opportunity Announcement (FOA) is to support preclinical development and testing of new therapies for neurological disorders. The program will facilitate solicitation, development, and review of therapy-directed projects to accelerate the translation of basic research discoveries into therapeutic candidates for clinical testing. This program is specifically directed at projects that include therapeutic leads with demonstrated activity against the intended disease target. The program does not support early-stage therapeutic discovery activities such as high-throughput screening. The program also excludes clinical research, basic research, and
studies of disease mechanism. This is a milestone-driven cooperative agreement program involving participation of NINDS staff in the development of the project plan and monitoring of research progress.

Amount: varies
LOI: N/R
Deadline: Standard dates apply (January 25, May 25, and September 25. AIDS application submission dates are May 7, September 7, and January 7)

**Key Words:** Neurological Disorders, Neurology, Neuroscience, Clinical translational

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**NINDS Exploratory/Developmental Projects in Translational Research for Resistant Epilepsy and Epileptogenesis (R21)**

PAR-10-143
National Institute of Neurological Disorders and Stroke (NINDS)
This funding opportunity announcement (FOA), from the National Institute of Neurological Disorders and Stroke (NINDS) encourages applications for projects intended to complete preliminary steps in the pipeline for the preclinical development of therapeutics to cure epilepsy, prevent the emergence of epilepsy following brain injury (including status epilepticus, traumatic brain injury, stroke, encephalitis, or other injury) or in other high-risk groups, or to better treat individuals with intractable epilepsy. Such projects, if successful, should lead directly to a subsequent project that will include all remaining activities for submission of an Investigational New Drug (IND) or Investigational Device Exemptions (IDE) application to the Food and Drug Administration (FDA). Only Aims required for therapy development can be supported in this program. This program excludes clinical research, basic research, and studies of disease mechanisms.

Amount: $275,000
LOI: N/R
Deadline: Standard dates apply

**Key Words:** Epilepsy

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**NINDS Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellows in MD-PhD programs (F31)**

PAR-10-091
National Institute of Neurological Disorders and Stroke (NINDS)
The purpose of this individual predoctoral research training fellowship is to provide support for promising doctoral candidates who are enrolled in combined MD-PhD programs, who will be performing dissertation research and training in scientific health-related fields relevant to the mission of the National Institute of Neurological Disorders and Stroke.

Amount: limited to 5 years support
LOI: N/R
Deadline: Standard dates apply

**Key Words:** MD/PhD Programs

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**Ancillary Studies in Clinical Trials of CNS/PNS Disorders – NINDS Accelerated Awards Program (R01)**

PAR-09-263
National Institute of Neurological Disorders and Stroke (NINDS)
This FOA is issued by the National Institute of Neurological Disorders and Stroke, National Institutes of Health. The purpose of this initiative is to encourage and facilitate ancillary studies undertaken in conjunction with on-going NINDS-funded clinical trials of neurological disorders.

Amount: varies
LOI: 30 days prior to submission
Deadline: December 16, 2010; April 15, 2011; August 16, 2011; December 16, 2011; April 16, 2012; August 16, 2012

**Key Words:** Ancillary Studies, Clinical Trials

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**Career Development Award to Promote Diversity in Neuroscience Research (K01)**

PAR-09-065
National Institute of Neurological Disorders and Stroke (NINDS)
The purpose of the NIH Mentored Research Scientist Development Award (K01) is to provide support and “protected time” (three, four, or five years) for an intensive, supervised career development experience in the biomedical, behavioral, or clinical sciences leading to research independence. The goal of the NINDS K01 is to diversify the pool of independent neuroscience research investigators. The
NINDS recognizes the unique and compelling need to promote diversity in participation in neuroscience research and expects these efforts to diversify the neuroscience research workforce to lead to the recruitment of the most talented researchers from all groups.

**Amount:** varies

**LOI:** N/R

**Deadline:** Standard dates apply


**Key Words:** Neurology, Neurological Research

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**Neurological Sciences Academic Development Award (K12)**

PAR-10-229

National Institute of Neurological Disorders and Stroke (NINDS)

The purpose of the Neurological Academic Development Award (K12) is to facilitate and support the career development of pediatric neurologists who have made a commitment to independent research careers. Under this award, newly trained pediatric neurologists are to be selected and appointed to this program by the grantee institution. It is expected that individuals appointed to the NSADA program will subsequently apply for their own Mentored Clinical Scientist Development Award (K08), the Mentored Patient-Oriented Career Development Award (K23), an NINDS Research Scientist Development Award (K02) or a Research Project Grant (R01).

**Amount:** varies

**LOI:** N/R

**Deadline:** October 12, 2011 for new applications

November 12, 2011 for resubmission and renewal applications


**Key Words:**

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**Mouse Models Containing Human Alleles: Novel Tools to Study Brain Function (R21/R33)**

PAR-08-158

National Institute of Mental Health
National Institute on Aging
National Institute on Alcohol Abuse and Alcoholism
National Institute on Drug Abuse

This Funding Opportunity Announcement invites Phased Innovation (R21/R33) grant applications from organizations /institutions that propose the development and characterization of novel mouse models that express human genes or human genetic elements that can aid in understanding the molecular mechanisms underlying brain function and the physiological function/significance of gene variants and gene dosage abnormalities that have been identified as possibly being involved in mental disorders, addiction, neurodegenerative disorders of aging, and alcoholism as well as related comorbid conditions

**Amount:** $150,000

**LOI:** 30 days prior to application receipt date

**Deadline:** multiple dates (January 28, 2011)


**Key Words:** Animal Models

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**Development of PET and SPECT Ligands for Brain Imaging (SBIR [R43/R44])**

PA-08-137

National Institute of Mental Health
National Institute on Aging
National Institute on Alcohol Abuse and Alcoholism
National Institute on Deafness and Other Communication Disorders

This Funding Opportunity Announcement (FOA) is intended to stimulate the commercial development of novel radioligands for positron emission tomography (PET) and single photon emission computed tomography (SPECT) imaging in human brain, and to incorporate pilot or clinical feasibility evaluation in pre-clinical studies, model development, or clinical studies. The NIH institutes listed in this FOA are specifically interested in the development of radioligands for molecular targets (e.g., receptors, cell adhesion molecules, intracellular messengers, and disease related proteins) that are of broad interest to the scientific community. These radiotracers will be used for neuroimaging as well as potential biological markers and surrogate endpoints for translational and clinical research, drug discovery and development, and clinical trials. Also appropriate for this FOA are applications proposing research and development of new technologies for radiotracer development.

**Amount:** up to $300,000 total costs per year and time periods up to two years for Phase I may be requested. Budgets up to $500,000 total costs per year and up to three years may be requested for Phase II.

**LOI:** N/R

**Deadline:** Standard dates apply

To learn more: [http://grants.nih.gov/grants/guide/pa-files/PA-08-137.html](http://grants.nih.gov/grants/guide/pa-files/PA-08-137.html)

**Key Words:**
Drug Discovery for Nervous System Disorders (R01) and (R21)
PAR-10-001 and PAR-10-002
National Institute of Mental Health (NIMH)
National Institute on Aging (NIA)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute on Drug Abuse (NIAD)
National Institute of Neurological Disorders and Stroke (NINDS)
This funding opportunity announcement (FOA) encourages research grant applications from applicant organizations directed toward the discovery and preclinical testing of novel compounds for the prevention and treatment of nervous system disorders.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Neurological Disorders, Therapy, Treatment, Diagnostics

Viral and Host Genetic Factors Regulating HIV-Associated CNS Disease (R01) and (R21)
RFA-MH-11-020 and RFA-MH-11-021
National Institute of Mental Health (NIMH)
National Institute of Neurological Disease and Stroke (NINDS)
The National Institute of Mental Health (NIMH) and The National Institute of Neurological Disorders and Stroke (NINDS) solicit research grant applications to support studies focused on viral and host genetic factors involved in HIV-1 Associated Neurocognitive Disorders (HAND) in the setting of highly active anti-retroviral therapy (HAART). Recent clinical studies indicate that over 50% of HIV-infected patients manifest HAND despite receiving HAART. The focus of this initiative is to encourage studies to discover novel genetic paradigms that may account for the interactions between the virus, the host, and the therapeutic drugs in the central nervous system (CNS) that result in the pathogenesis, progression, and clinical manifestations of HAND. The use of state-of-the-art genetic approaches (including transcriptomics, phenomics, epigenomics, whole genome association studies, next generation sequencing, exome sequencing, & systems biology) to identify and validate (including in vitro models, animal models, & human samples) viral and host genetic factors which influence the pathophysiology of HAND are encouraged.
Amount: varies
LOI: December 6, 2010
Deadline: January 06, 2011
Key Words:

Pharmacologic Agents and Drugs for Mental Disorders (SBIR [R43/R44])
PA-08-142
National Institute of Mental Health
This funding opportunity announcement (FOA) solicits Small Business Innovation Research (SBIR) grant applications that propose to develop novel pharmacologic agents for brain research related to mental disorders, including research aimed at discovering new drugs for these disorders. In addition, this FOA solicits SBIR grant applications that propose to take existing, promising compounds through the next step of drug discovery and development. Finally, this FOA also encourages SBIR grant applications designed to study the effectiveness of novel interventions.
Amount: up to $350,000 total costs per year and time periods up to two years for Phase I may be requested. Budgets up to $600,000 total costs per year and up to three years may be requested for Phase II.
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-142.html
Key Words:

Michael J. Fox Foundation Launches Second Year of Rapid Response Innovation Awards
MJFF
The program is designed to provide funding for strong ideas being tested for the first time. RRIA allows for the submission of applications at any time of year. There is no pre-proposal stage, and the standard application has been shortened to three pages. Additionally, postdoctoral researchers are permitted to apply as principal investigators under this initiative, provided the head of their lab serves as Administrative PI to assist with the provision of institutional documents and sign the award contract.
Amount: unspecified
**Mayday Fund of New York**

Mayday Fund of New York
The Mayday Fund is dedicated to alleviating the incidence, degree, and consequence of human physical pain.
**Amount:** $2,000-$500,000
**LOI:** N/R
**Deadline:** Continuous
**To learn more:** [http://www.maydayfund.org/](http://www.maydayfund.org/)
**Key Words:** Pain, Pain Alleviation

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**Department of Defense Spinal Cord Injury Research Program**

**Clinical Trial Award - Rehabilitation**

**Translational Research Partnership Award**

**Investigator-Initiated Research Award**

**Investigator-Initiated Focused Research Award**

W81XWH-10-SCIRP-CTA-R
W81XWH-10-SCIRP-IIRA
W81XWH-10-SCIRP-QRA
W81XWH-10-SCIRP-TRPA

Department of Defense (DOD)

Congressionally Directed Medical Research Programs (CDMRP)

The Fiscal Year 2010 (FY10) Defense Appropriations Act provides $11.25 million to the Department of Defense (DOD) Spinal Cord Injury Research Program (SCIRP) to promote innovative research into regenerating damaged spinal cords, arthritis research, and improving rehabilitation therapies that offer real promise for enhancing long-term care of wounded soldiers. The SCIRP challenges the scientific community to design innovative research that will foster new directions for and address neglected issues in the field of SCI-focused research.

The vision of the SCIRP is to advance the understanding of spinal cord injury and ameliorate its consequences. This program is administered by the US Army Medical Research and Materiel Command through the Office of the Congressionally Directed Medical Research Programs (CDMRP).

**Amount:** varies with mechanism
**LOI:** August 5, 2010
**Deadline:** December 1, 2010
**To learn more:** [http://cdmrp.army.mil/funding/scirp.shtml](http://cdmrp.army.mil/funding/scirp.shtml)
**Key Words:**

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**Defense Sciences Research & Technology**

DARPA-BAA-10-55

Defense Sciences Research & Technology

Defense Sciences Office (DSO)

The mission of the Defense Advanced Research Projects Agency’s (DARPA) Defense Sciences Office (DSO) is to pursue and exploit fundamental science and innovation for National Defense. Therefore, DSO is soliciting proposal abstracts and full proposals for advanced research and development in a variety of enabling technical areas.

Basic Neuroscience Research: DSO is interested in neuroscience research ideas enabling innovation in the science and technology for improved human performance, specifically to overcome the challenges encountered in the operational environment. The areas for research may span fundamental, applied, and computational neuroscience.

Physics of Nano-Materials and Devices: DSO is interested in fundamental and applied research in nano-materials, design methodologies, and potential device application (e.g., navigation, communication, and sensing of chemical, biological, optical, infrared, acoustic, magnetic, and other signals of interest).

Basic Biology Research: DARPA is interested in fundamental and applied research in the biological sciences across all scales (e.g., quantum to ecological) to contribute to defense capabilities including development of synergies with other disciplines (e.g., information technology, micro/nanotechnology, manufacturing). While broad in scope, novel approaches to biomedical applications, biological warfare defense, and human performance optimization are of particular interest.

**Amount:** unspecified
**LOI:** N/R
**Deadline:** anytime until May 5, 2011
**To learn more:** [https://www.fbo.gov/?s=opportunity&mode=form&id=ffb2c735e17e3a64fd0c2e4f792ae93&tab=core&_cview=0](https://www.fbo.gov/?s=opportunity&mode=form&id=ffb2c735e17e3a64fd0c2e4f792ae93&tab=core&_cview=0)
Spinal Cord Injury Research
Craig H. Neilsen Foundation
The Craig H. Neilsen Foundation is a private foundation that provides grants for basic and pre-clinical research aimed at developing a cure for spinal cord injury, and postdoctoral fellowships to support the next generation of scientists. We also offer Opportunity Program Grants for qualifying nonprofit §501(c)(3) organizations to support innovative programs designed to improve the quality of life for those living with a spinal cord injury. Grants are not awarded to individuals.
Amount: unspecified
LOI: August 20, 2010
Deadline: December 1, 2010
To learn more: http://www.chnfoundation.org/

Research Grants
American Fibromyalgia Syndrome Association (AFSA)
AFSA is an all volunteer nonprofit organization dedicated to funding research that investigates the causes and treatments for fibromyalgia syndrome.
Amount: $50,000 annually
LOI: N/R
Deadline: Continuous
To learn more: http://www.afsafund.org/grant.htm

Advances in Bioscience for Airmen Performance
BAA-09-02-RH
Air Force Research Laboratory, Human Effectiveness Directorate, Biosciences and Performance Division (AFRL/RHP)
The 711th Human Performance Wing, Human Effectiveness Directorate is soliciting white papers under this announcement for innovative science and technology projects to support advanced bioscience research. Specifically, the Biosciences and Performance Division is seeking unique and innovative research concepts that address its technical mission areas. Research is sought primarily in the following four technical areas: 1) Applied Biotechnology, 2) Biobehavioral Performance, 3) Biomechanics, and 4) Counter proliferation.
1) Applied Biotechnology - Goal is to develop and exploit advances in biotechnology and associated nanotechnologies to enhance performance and situational awareness of the force.
2) Biobehavioral Performance – Goal is to develop bio-based methods and techniques to sustain and optimize airmen's cognitive performance.
3) Vulnerability Analysis – Goal is to rapidly identify human threat conditions, and sustain/expand Airmen performance in stressful environments. It includes research in physical and physiological biosignatures, neuroscience, anthropometry, biomechanics, human modeling, database networking, and data mining.
4) Counter proliferation – Goal is to improve the Air Force’s ability to locate, identify, track, target, and destroy biological warfare agents (BWA) and other weapons of mass destruction (WMD), as well as anticipate and mitigate WMD effects on AF operations.
Amount: Cost Plus
LOI: White Papers accepted until September 30, 2014
Deadline: To learn more:
https://www.fbo.gov/index?s=opportunity&mode=form&id=411797fcc2260cb5d9ed346b3c139a4b&tab=core&cview=1&ck=1&au=&ck=

Key Words: Gene Expression Balance, Protein Expression Patterns, Phenotypic Patterns, Biomarker Signatures, Cognitive Performance
Robert Wood Johnson Foundation Executive Nurse Fellows

New

Robert Wood Johnson Foundation (RWJF)
The RWJF Executive Nurse Fellows program is a three-year advanced leadership program for nurses who aspire to lead and shape health care locally and nationally. Fellows strengthen their leadership capacity through the application of 20 competencies that improve their abilities to lead teams and organizations in improving health and health care.

Amount: $35,000
LOI: November 5, 2010 Informational Applicant Web conference, registration required; LOI N/R
Deadline: January 18, 2011
To learn more: http://www.rwjf.org/applications/solicited/CFP.jsp?ID=21144&cid=XEM_205591

Patient Safety and Medical Liability Reform Planning Projects (R21)

New

PAR-11-023
Agency for Healthcare Research and Quality (AHRQ)
This FOA solicits planning grants that would lead to the later implementation of a demonstration project on patient safety and medical liability reform. Specifically, the planning effort must focus on: putting patient safety first and working to reduce preventable injuries; fostering better communication between doctors and their patients; ensuring that patients are compensated in a fair and timely manner for medical injuries, while also reducing the incidence of frivolous lawsuits; and reducing liability premiums. The projects must be designed to optimize promising practices that address both ensuring and improving patient safety, as well as reducing health care costs. The projects must focus on the connections between patient safety and medical liability claims.

Amount: $300,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-11-023.html

Ruth L. Kirschstein National Research Service Awards (NRSA) for Individual Postdoctoral Fellows (Parent F32)

Individual Senior Fellows (Parent F33)

PA-10-110 and PA-10-111
National Institutes of Health (NIH)
Multiple Institutes
The purpose of this individual postdoctoral research training fellowship is to provide support to promising Fellowship Applicants with the potential to become productive, independent investigators in scientific health-related research fields relevant to the missions of participating NIH Institutes and Centers.

Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Cancer, Eye Diseases, Heart, Lung, Blood, Genome Research, Aging, Substance Abuse, Allergy, Infectious Disease, Arthritis, Musculoskeletal Diseases, Skin Diseases, Bioimaging, Bioengineering, Child Health, Communication Disorders, Dental and Craniofacial Research, Diabetes, Digestive and Kidney Diseases, Environmental Health, General Medicine, Neurological Disorders, Stroke, Nursing, CAM

Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellowships to Promote Diversity in Health-Related Research (Parent F31 - Diversity)

PA-10-109
National Institutes of Health (NIH)
Multiple Institutes
The purpose of this individual predoctoral research training fellowship is to improve the diversity of the health-related research workforce by supporting the training of predoctoral students from groups that have been shown to be underrepresented. Such candidates include individuals from underrepresented racial and ethnic groups, individuals with disabilities, and individuals from disadvantaged backgrounds.
Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) - PA-06-468/PA-08-226

The objective of the National Research Service Award (NRSA) program is to provide predoctoral and postdoctoral research training opportunities for individuals interested in pursuing research careers in biomedical, behavioral and clinical research. Each NIH Institute and Center has a unique scientific purview and different program goals and initiatives that evolve over time. It is therefore critical that all applicants consult with the scientific/research contact at the relevant NIH Institute or Center for current information about program priorities and policies before preparing an application. This action is of utmost importance because applications with marginal or no relevance to the NIH awarding components participating in this funding opportunity announcement will not be accepted for review or considered for funding.

Contextual Approaches to Prevention of Unintended Pregnancy [(R01) PA-09-014] and [(R21) PA-09-015]

The purpose of this Funding Opportunity Announcement (FOA) is to strengthen and revitalize scientific research on the prevention of unintended pregnancies in the United States. The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) invites R01 research grant applications that will inform interventions addressing the cultural and structural factors that produce high rates of unintended pregnancy across the reproductive age span, especially in low-income populations in the United States. These interventions can operate at a wide range of levels, from clinical interventions to interventions that influence cultural, economic, social, structural, and/or policy factors contributing to unintended pregnancy.

Technology-Based Adherence Interventions for Substance Abusing Populations with HIV (R01) and (R34)

Through this FOA, the National Institute on Drug Abuse (NIDA) seeks to stimulate and support research on the determination of efficacy and potency of interventions that utilize technological tools (e.g., mobile enabling technologies, Ecological Momentary Assessment (EMA), enhanced Medication Event Monitoring System, computer software, portable digital devices, cell phone and/or Digital Assistant Device among others) to foster adherence to Human Immunodeficiency Virus (HIV) treatment regimens among substance abusing populations in naturally occurring timeframes and contexts. Multidisciplinary collaboration between social scientists, medical (physician/nurse) researchers and technology experts to develop and refine mobile technological instrumentation, e-health technology and software as interventions (or as part of interventions) that foster adherence to HIV treatment regimens and access to care in real time is encouraged.

Key Words: Cancer, Eye Diseases, Heart, Lung, Blood, Genome Research, Aging, Substance Abuse, Allergy, Infectious Disease, Arthritis, Musculoskeletal Diseases, Skin Diseases, Bioimaging, Bioengineering, Child Health, Communication Disorders, Dental and Craniofacial Research, Diabetes, Digestive and Kidney Diseases, Environmental Health, General Medicine, Neurological Disorders, Stroke, Nursing, CAM

Key Words: Alcohol or Alcoholism, Allergy, Alternative Medicine, Arthritis, Biomedical Research (Multidisciplinary), Blood Diseases, Cancer or Carcinogenesis, Cardiovascular Diseases, Deafness, Diabetes, Digestive Diseases and Disorders, Drug Abuse Prevention, Environmental Health, Eye Diseases, Genomics, Geriatrics, Infectious Diseases or Agents, Internal Medicine, Mental Health, Musculoskeletal Diseases, Neurological Disorders, Nursing Education, Nutrition or Dietetics, Pediatrics, Pulmonary Diseases, Respiratory Diseases, Substance Abuse

Key Words: Pregnancy, Pregnancy Prevention, Unintended Pregnancy

Key Words: Pregnancy, Pregnancy Prevention, Unintended Pregnancy

Key Words: Prevention of Unintended Pregnancy

Key Words: Prevention of Unintended Pregnancy
Critical Illness and Injury in Aging (R03), (R01) and (R21)
PA-10-043 and PA-10-042 and PA-10-044
National Institute on Aging (NIA)
National Heart, Lung, and Blood Institute (NHLBI)
National Institute on Nursing Research (NINR)
This FOA encourages Small Research Project Grant (R03) applications proposing to study mechanisms and management of critical illness and injury in aging. Studies may be mechanistic, observational, or interventional in nature. Secondary analyses of existing datasets, such as from large observational studies or clinical trials, may be proposed. Animal studies are appropriate in cases where human studies are not feasible.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Injury, Aging

Mechanisms, Measurement, and Management of Pain in Aging: from Molecular to Clinical (R01), (R21) and R03)
PA-09-193, PA-09-194 and PA-09-195
National Institute on Aging (NIA)
This FOA encourages Research Project Grant (R01) applications from institutions/organizations that propose to (1) study biological, neurobiological, psychosocial, and clinical mechanisms and processes by which aging and/or age-related diseases affect the experience of pain, (2) examine biological, neurobiological, psychosocial, and clinical factors that impact pain experience and prevalence in older people, (3) evaluate existing pain assessment and/or management approaches in older adults, or (4) develop new assessment methods and/or management strategies for pain with particular attention to the needs of older adults. Studies involving animal models or human subjects are appropriate under this program announcement.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Aging, Pain Management

Clinical Trial Planning Grants for Critical Illness and Injury in Aging (R34)
PA-10-045
National Institute on Aging (NIA)
This FOA issued by the National Institute on Aging encourages Clinical Trial Planning Grant (R34) applications to develop research protocols for Phase III and IV clinical trials related to critical illness and injury in aging. The planning grant mechanism is intended to permit early peer review of the rationale and design of the proposed Phase III or IV clinical trial, and to support development of a research team, tools for data management and research oversight, recruitment strategies, detailed protocol and Manual of Procedures (MOP), and other essential components necessary for a competitive clinical trial application. This FOA is NOT designed for collecting preliminary data or conducting pilot studies in support of the scientific rationale for a clinical trial.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-045.html
Key Words: Injury, Aging

Mechanisms, Models, Measurement, & Management in Pain Research (R01), (R03) and (R21)
PA-10-006 and PA-10-008 and PA-10-007
National Institute of Nursing Research (NINR)
National Cancer Institute (NCI)
National Center for Complementary and Alternative Medicine (NCCAM)
National Institute on Aging (NIA)
National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)
The purpose of this Funding Opportunity Announcement (FOA), “Mechanisms, Models, Measurement, & Management in Pain Research” issued by the National Institute of Nursing Research (NINR), in conjunction with members of the NIH Pain Consortium as listed above, is to inform the scientific community of the pain research interests of the various Institutes and Centers (ICs) at the National Institutes of Health (NIH) and to stimulate and foster a wide range of basic, clinical, and translational studies on pain as they relate to the missions of these ICs. New advances are needed in every area of pain research, from the micro perspective of molecular sciences to the macro perspective of behavioral and social sciences. Although great strides have been made in some areas, such as the identification of neural pathways of pain, the experience of pain and the challenge of treatment have remained uniquely individual and unsolved. Furthermore, our understanding of how and why individuals transition to a chronic pain state after an acute insult is limited. Research to address these issues conducted by interdisciplinary and multidisciplinary research teams is strongly encouraged, as is research from underrepresented, minority, disabled, or women investigators.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Nursing, Pain Management, Clinical and Translational

Research on Clinical Decision Making in People with or at Risk for Life-Threatening Illness (R01) and (R21)
PA-09-122 and PA-09-121
National Institute of Nursing Research (NINR)
National Cancer Institute (NCI)
This funding opportunity announcement (FOA) issued by the National Institute of Nursing Research (NINR) and the National Cancer Institute (NCI), National Institutes of Health, seeks to stimulate research on the decision-making processes made by persons at risk for and those faced with life-threatening illness. These illnesses are ones that almost always lead to death in a fairly short period of time if left untreated, but may be chronic or even cured if dealt with early in the disease process. An example of a life-threatening illness that may be chronic for some years would be HIV infection when treated. An example of a life-threatening illness that may be cured in its early stages would be breast cancer. Decision-making can occur from the point of adopting preventive behaviors through the end of life. Examples of such decisions could include participating in an HIV vaccine clinical trial, testing for genetic disorder, choosing a treatment intervention vs. watchful waiting (as in early stage prostate cancer), choosing a treatment intervention among several options, joining a therapeutic clinical trial, or making end-of-life care decisions.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Nursing Research, Cancer Control, Life-Threatening Decision Making Caregivers, Palliative Care

NINR Mentored Research Scientist Development Award for Underrepresented or Disadvantaged Investigators (K01)
PAR-09-074
National Institute of Nursing Research (NINR)
The purpose of the NINR Mentored Research Scientist Development Award for Underrepresented or Disadvantaged Investigators (K01) is to provide support and “protected time” (three, four, or five years) for an intensive, supervised career development experience in the biomedical, behavioral, or clinical sciences leading to research independence.
Mechanism of Support: This Funding Opportunity Announcement (FOA) will utilize the NIH Mentored Research Scientist Development Award (K01) mechanism.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-074.html
Key Words: Nursing Research

NINR Career Transition Award (K22)
PAR-09-067
National Institute of Nursing Research (NINR)
The purpose of the NINR Career Transition Award (K22) program is to provide up to 5 years of support consisting of two phases. The initial phase will provide up to 2 years of mentored intramural experience for highly promising, postdoctoral research scientists in an NIH intramural program. This phase will be followed by up to 3 years of extramural support contingent on securing an independent tenure-track or equivalent research position. The NINR Career Transition award is limited to postdoctoral trainees who propose research relevant to the mission of the National Institute of Nursing Research (NINR)
Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellows In Nursing Research (F31)
PAR-10-211
National Institute of Nursing Research (NINR)
The purpose of the Ruth L. Kirschstein National Research Service Award (NRSA) for Individual Predoctoral Fellows in Nursing Research (F31) program is to train future generations of outstanding nurse scientists who are committed to research careers in scientific health-related fields relevant to the programmatic interests of the National Institute of Nursing Research (NINR). This FOA encourages Individual Predoctoral Fellowship (F31) applications from institutions/organizations that propose to increase the number of nurses prepared with a doctoral degree in order to meet the demands for adequately trained behavioral, biological, and biobehavioral scientists. NINR is particularly interested in facilitating the progress of students who are in research training programs for recent nursing graduates and students in BSN to PhD programs. This fellowship program will provide predoctoral training support for doctoral students. The applicant should propose a research training program and dissertation research that is consistent with the scientific mission of the NINR.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-211.html
Key Words: Nursing Research

Ruth L. Kirschstein National Research Service Award (NRSA) for Individual Predoctoral Fellows in Nursing Research (F31)
PAR-09-227
National Institute of Nursing Research
This FOA issued by the National Institute of Nursing Research (NINR/NIH), National Institutes of Health, encourages Individual Predoctoral Fellowship (F31) applications from institutions/organizations that propose to increase the number of nurses prepared with a doctoral degree in order to meet the demands for adequately trained behavioral, biological, and biobehavioral scientists. NINR is particularly interested in facilitating the progress of students who are in research training programs for recent nursing graduates and students in BSN to PhD programs. This fellowship program will provide predoctoral training support for doctoral students. The applicant must propose a research training program and dissertation research that is consistent with the scientific mission of the NINR. Research topics and skills that will serve as a foundation for an ongoing program of research are of particular interest. The research training experience must enhance the applicant's conceptualization of research problems and research skills, under the guidance and supervision of a committed mentor who is an active and established investigator in the area of the applicant's proposed research. The research training program should be carried out in a research environment that includes appropriate human and technical resources and is demonstrably committed to the research training of the applicant in the program he/she proposes in the application.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-227.html
Key Words: Nursing Fellowships

Health Disparities in NIDDK Diseases (R01)
PA-09-262
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Institute of Nursing Research (NINR)
The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the National Institute of Nursing Research (NINR) of the National Institutes of Health (NIH) seek research to understand and mitigate issues of health disparities in high priority diseases within their scope, including diabetes, obesity, nutrition-related disorders, hepatitis C, gallbladder disease, H. Pylori infection, sickle cell disease, kidney diseases, urologic diseases, hematologic diseases, metabolic, gastrointestinal, hepatic, and renal complications from infection with HIV. NINR promotes and improves the health of individuals, families, communities, and populations, supports and conducts clinical and basic research and research training on health and illness across the lifespan.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-262.html
Development and Validation of Disease Biomarkers (R01)
PA-09-204
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) (http://www2.niddk.nih.gov)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute of Nursing Research (NINR)
Office of Dietary Supplements (ODS)
This Funding Opportunity Announcement (FOA) issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), the National Institute on Alcohol Abuse and Alcoholism (NIAAA), the National Institute of Nursing Research (NINR), and the Office of Dietary Supplements (ODS) of the National Institutes of Health, will provide resources to validate candidate biomarkers for well-defined human diseases of the liver, kidney, urological tract, and digestive and hematologic systems, as well as endocrine and metabolic disorders, diabetes and its complications, and obesity, for which there are no or very few biomarkers, or for which standard biomarkers are currently prohibitively invasive or expensive. A biomarker is an indicator of a disease process, and could replace hard clinical end points as a measure of the effect of new therapies. Appropriate studies will validate candidate biomarkers in well-defined patient populations, provide new technologies to monitor biomarkers or establish reliable assays for validated markers. Progress in this area has the potential to advance translational research related to efficacy of treatments and bio-behavioral interventions. This FOA is not appropriate for biomarker discovery projects.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-204.html
Key Words: Biomarkers, Translational Research, Therapies

Small Grants for Behavioral Research in Cancer Control (R03)
PA-09-003
National Cancer Institute (NCI)
National Institute of Nursing Research (NINR)
This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI) and the National Institute of Nursing Research (NINR), at the National Institutes of Health (NIH), is intended to provide support for either new investigators in cancer-related behavioral research, or investigators who want to refocus their research interests toward behavioral research in cancer control. The program is designed to facilitate the growth of a nationwide cohort of scientists with research experience in behavioral cancer control and design of public health interventions. Preliminary data for the proposed projects are not required. Overarching goals are to: (1) encourage new investigators to enter the field of behavioral research in cancer control and initiate their long-term career development aimed at becoming independent investigators in the field, and (2) support research on transfer of behavioral science knowledge into cancer control practice.
Amount: $100,000
LOI: N/R
Deadline: December 20, 2010; April 20, 2011; August 22, 2011; December 20, 2011
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-003.html
Key Words: Cancer, Cancer Prevention, Cancer Control

Mayday Fund of New York
Mayday Fund of New York
The Mayday Fund is dedicated to alleviating the incidence, degree, and consequence of human physical pain.
Amount: $2,000-$500,000
LOI: N/R
Deadline: Continuous
To learn more: http://www.maydayfund.org/
Key Words: Pain, Pain Alleviation

The ASCO Cancer Foundation Improving Cancer Care Grant
ASCO Cancer Foundation
Susan G Komen for the Cure Foundation
The ASCO Cancer Foundation supports educational programs of the highest quality in cancer care and prevention, facilitates the dissemination of information about cancer and cancer treatment to patients and their families, and, through its grants program, supports, encourages, and recognizes excellence in clinical research in the field of oncology.
The ASCO Cancer Foundation Improving Cancer Care Grant, funded by Susan G. Komen for the Cure as part of the Susan G. Komen for the Cure/ASCO Cancer Foundation Research Initiative, will provide extramural research funding to address important issues
regarding access to healthcare, quality of care, and delivery of care, with general applicability to breast cancer. The goal of this program is to encourage multi-disciplinary research that will have a major impact on cancer care.

Proposals must be focused on developing solutions to current problems, not just describing disparities in care that currently exist. Research teams that have previously laid the groundwork in these areas by describing existing problems are particularly encouraged to submit proposals to implement and study potential solutions. Project proposals are not required to focus on breast cancer, but the study findings must have general applicability to breast cancer care.

**Amount:** $1,350,000

**LOI:** September 1, 2010

**Deadline:** December 21, 2010

To learn more: [http://www.ascocancerfoundation.org/TACF/Grants/Grant+Opportunities/Improving+Cancer+Care+Grant](http://www.ascocancerfoundation.org/TACF/Grants/Grant+Opportunities/Improving+Cancer+Care+Grant)

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**Partnerships in Implementing Patient Safety II (R18)**

PAR-10-022

Agency for Healthcare Research and Quality (AHRQ), Center for Quality Improvement and Patient Safety (CQuIPS)

The purpose of this Funding Opportunity (FOA) is to support Research Demonstration and Dissemination (R18) grant applications from organizations that will implement safe practice interventions that demonstrate evidence of reducing or eliminating medical errors, risks, hazards, and harms associated with the process of health care. These 24 month implementation projects will inform AHRQ, providers, patients, payers, policymakers, and the public about how safe practice interventions can be successfully implemented in diverse health care settings and lead to safer and better health care for all Americans.

**Amount:** $600,000

**LOI:** N/R

**Deadline:** Standard dates apply


**Key Words:** Health Care Quality

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**Researching Implementation and Change while Improving Quality (R18)**

PAR-08-136

Agency for Healthcare Research and Quality

The Agency for Healthcare Research and Quality (AHRQ) announces the Agency’s interest in supporting grants to rigorously study the implementation of quality improvement strategies and provide generalizable scientific findings about the implementation of the quality improvement strategy, related organizational changes, and their impact. There is increasing evidence that success in achieving quality improvement goals is at least partially attributable to implementation processes and contexts and not just to the nature of the quality improvement strategy. The research funded through this announcement may be conducted by the team designing/implementing the quality improvement strategy or it may be conducted by a separate team. The quality improvement strategy must be one that is expected to result in major improvements in health care delivery that will enhance patient outcomes. Research design and execution will yield results providing AHRQ, providers, patients, payers, policymakers, and the public with contextual details and high level of confidence about what works and what doesn’t in improving health care in the United States.

**Amount:** varies but will not exceed $300,000 annually

**LOI:** N/R

**Deadline:** Standard dates apply


**Key Words:**

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**Aetna 2010 Grant Program**

Aetna Foundation

For 2010, the foundation will focus its grant making on issues that improve health and the healthcare system in three areas: obesity (addressing the rising rate of obesity among U.S. adults and children); racial and ethnic healthcare equity (promoting equity in health and health care for common chronic conditions and infant mortality); and integrated health care (advancing high-quality health care by improving care coordination and communications among healthcare professionals, creating informed and involved patients, and promoting cost-effective, affordable care). Grant applications that address more than one of these areas will receive priority consideration.

Within the three program areas, the foundation will award the following types of grants: research grants to generate new knowledge, making use of either quantitative or qualitative techniques; project grants to test, apply, or disseminate new practices designed to improve health and health care; and policy grants to analyze and promote policies to ensure that programs and practices to improve health and health care can be replicated and disseminated broadly. In addition, the foundation will consider applications for sponsorship of fundraising events such as galas and walks, outreach activities (e.g., health fairs), and other community-based health and wellness initiatives aligned with the foundation’s funding priorities.

**Amount:** up to $250,000
**Nutrition**

**Higher Education Challenge (HEC) Grants Program**

*New*
National Institute of Food and Agriculture (NIFA)
United States Department of Agriculture (USDA)

NIFA requests applications for the Higher Education Challenge Grants Program (HEC) for fiscal year (FY) 2011 to stimulate and enable colleges and universities to provide the quality of education necessary to produce baccalaureate or higher degree level graduates capable of strengthening the Nation's food and agricultural scientific and professional workforce. NIFA anticipates that the amount available for support of this program in FY 2011 will be approximately $5.2 million.

Building upon the four “New Biology for the 21st Century” challenges, above, the USDA-NIFA institute has refocused its mission to direct agricultural sciences research, education, and extension programs on addressing the following five Priority Areas:

1. Global Food Security and Hunger
2. Climate Change
3. Sustainable Energy
4. Childhood Obesity
5. Food Safety

Therefore, applications submitted to this grants program must state how the funded project will address the two HECA Grant Program Goals:

1. To increase the number and diversity of students who will pursue and complete a postsecondary degree in the food and agricultural sciences, and for FY 2011, encourage study in areas that contribute to any of the five NIFA Priority Areas listed directly above in Part I, A; and
2. To enhance the quality of secondary and postsecondary instruction in order to help meet current and future national food and agricultural sciences workplace needs.

**Amount:** varies

**LOI:** N/R

**Deadline:** February 4, 2011


**Key Words:**

**NIH COBRE Project Pre-proposals**

University of Nebraska-Lincoln

Pre-proposals are being accepted for individual research projects to be included as part of an application to establish a Center of Biomedical Research Excellence in Integrative Nutrition and Metabolic Processes. A team of UNL and UNMC faculty are developing the COBRE proposal, which will be submitted to NIH in early 2011. Information on the center’s thematic focus and pre-proposal application process is available in the RFP.

**Amount:**

**LOI:** August 31, 2010

**Deadline:** December 15, 2010 invited proposals

To learn more: [http://research.unl.edu/docs/UNLCOBRECallforProposals7-13-10.pdf](http://research.unl.edu/docs/UNLCOBRECallforProposals7-13-10.pdf)

**Key Words:** Acquired Metabolic Diseases, Inflammatory Diseases, Asthma, Heart Disease, Stroke, Diabetes

**Exfoliated Cells, Bioactive Food Components, and Cancer (R01) [PA-08-030] and (R21) [PA-08-031]**

NIH

The National Cancer Institute (NCI) invites applications for new R01 grants focusing on research to critically evaluate the use of exfoliated cells to monitor the physiological effects of dietary bioactive food components thought to be involved with cancer prevention. The objective is to encourage interdisciplinary collaborations between scientists engaged in research using exfoliated cells and those conducting nutrition research related to cancer prevention. This research will help determine the utility of exfoliated cells as a model system to monitor both the absorption and retention of bioactive food components and the concomitant alterations in genomic and epigenetic events that occur in intact cells.

**Amount:** $275,000 over 2 years

**LOI:** N/R

**Deadline:** multiple, see announcement; continuous through January 8, 2011
Enhancing Tumoricidal Activity of Natural Killer (NK) Cells by Dietary Components for Cancer Prevention (R01) [PA-08-131] and (R21) [PA-08-132]  
NIH  
This funding opportunity announcement (FOA) is designed to stimulate research efforts aimed at establishing the physiological significance of dietary components in modulating the tumoricidal cell activity of natural killer (NK) cells for cancer prevention. The focus of research projects proposed in response to this FOA should be on defining the minimum quantity and duration of exposure to specific dietary components to modulate tumoricidal cell activity of NK cells for cancer prevention and the underlying mechanism(s) accounting for this response. Proposed projects must include animal and/or human investigations to be considered responsive to this announcement. Highly purified populations of immune cells, specific tumor cells such as RMA-S that lack class I MHC expression, target cell-free system, or single-cell assays may be used to define the molecular basis for the diet-induced changes in tumoricidal activity. However, the in vitro studies are only to be used to support in vivo studies and should not constitute the primary focus of the application. Molecular targets for food components may be examined at the sites of the tumoricidal cell receptors and cancer cell specific ligands, the output of tumoricidal cytokines (e.g., IFN-g), and the release of lytic granules such as a granulysin, perforin, and serine proteases (granzymes).  
Amount: varies  
LOI: N/R  
Deadline: Standard dates apply  
Key Words:
This FOA issued by the National Institute on Aging (NIA), the National Heart, Lung, and Blood Institute (NHLBI), the National Institute of Nursing Research (NINR), the Office of Research on Women's Health (ORWH), and the Office of Dietary Supplements (ODS) encourages Research Project Grant (R01) applications proposing to study bioenergetic factors underlying increased fatigability and activity limitations in aging. Increased fatigability is a significant cause of restricted physical and cognitive activity in older adults.

Alterations in bioenergetics—the production and utilization of energy, and the regulation of these processes—may contribute significantly to increased fatigability. This FOA encourages applications that propose to 1) elucidate specific alterations in bioenergetics related to increased fatigability and activity limitations; 2) develop and evaluate improved measures of fatigability related to bioenergetics; 3) evaluate interventions for increased fatigability and activity limitations that target alterations in bioenergetics and lead to improved quality of life.

Amount: varies
LOI: N/R
Deadline: Standard dates apply

**Key Words**: Aging, Fatigability, Bioenergetics

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**Identification and Characterization of Molecular Targets Within the mTOR Pathway With Potential to Impact Healthspan and Lifespan (R21)**

PA-10-164
National Institute on Aging (NIA)
National Cancer Institute (NCI)

This FOA issued by the National Institute on Aging and the National Cancer Institute encourages grant applications focused on: 1) identifying novel targets within the mTOR (mammalian target of rapamycin) signaling network, the manipulation of which has the potential to promote healthy aging, i.e. extend health span in the aged (NIA interest); and 2) identifying and characterizing dietary constituents that modulate the mTOR pathway and promote cancer prevention (NCI interest). Identification and characterization of targets can utilize a wide range of approaches, including medicinal chemistry, in vitro assays, and studies in lower organisms or mammalian models.

Amount: $275,000
LOI: N/R
Deadline: Standard dates apply

**Key Words**: Rapamycin, mTOR, Signaling Pathways, Dietary Modifiers of mTOR

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**Metals in Medicine (R01)**

PA-08-251
National Institute of General Medical Sciences
National Cancer Institute
National Institute of Environmental Health Sciences
Office of Dietary Supplements

The objective of this Funding Opportunity Announcement (FOA), issued by the National Institute of General Medical Sciences (NIGMS), National Cancer Institute (NCI), National Institute of Environmental Health Sciences (NIEHS), and the Office of Dietary Supplements (ODS), National Institutes of Health is to encourage research that bridges the areas of inorganic chemistry and medicine. The mechanisms by which organisms control transition metal ions and the roles of these metals in cellular regulation and signaling in health and disease are of principal interest. The interactions of synthetic inorganic complexes with living systems and their components are an additional area of interest. These areas are linked by the need to involve researchers having a deep understanding of inorganic chemistry in medically relevant research. Much of the work is expected to involve collaborations including chemists, biologists, and medical researchers. The results will be relevant to understanding the mechanisms of metal handling by biological systems and the basic cellular roles underlying the nutritional requirement for essential metals. It is expected that this research will also contribute to the identification of new targets for drug discovery, diagnostics, and future therapeutic approaches involving metal complexes, although drug development, per se, is not a focus of the program.

Amount: varies
LOI: N/R
Deadline: Standard dates apply

**Key Words**: Metals, Nutrition, Inorganic Chemistry
Planning Grants for Translational Research for the Prevention and Control of Diabetes and Obesity (R34)
PAR-09-177
National Institute of Diabetes and Digestive and Kidney Diseases
Eunice Kennedy Shriver National Institute of Child Health and Human Development
Office of Behavioral and Social Science Research
The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) and the Office of Behavioral and Social Sciences Research (OBSSR) encourage NIH Clinical Trial Planning Grant Program grant (R34) applications from institutions/organizations to develop and pilot test translational interventions for the prevention and control of diabetes and obesity that have a high potential to be adopted, and sustained in applied health care settings. Research must be based on widely accepted interventions previously demonstrated to be efficacious in clinical trials. Research must target the prevention or reversal of obesity, prevention of type 2 diabetes, improved care of type 1 and type 2 diabetes, or the prevention or delay of the complications of these conditions. The interventions proposed under this FOA should have the potential to be widely disseminated to clinical practice, individuals and communities at risk.
Amount: 
LOI: N/R
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-177.html
Key Words: Obesity, Diabetes

Translational Research for the Prevention and Control of Diabetes and Obesity (R18)
PAR-09-176
National Institute of Diabetes and Digestive and Kidney Diseases
Eunice Kennedy Shriver National Institute of Child Health and Human Development
Office of Behavioral and Social Science Research
The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) and the Office of Behavioral and Social Sciences Research (OBSSR) encourage NIH Research Demonstration and Dissemination Project grant (R18) applications from institutions/organizations to test the effectiveness of interventions for the prevention and control of diabetes and obesity that have a high potential to be adopted, and sustained in applied health care settings. The approaches tested must be based on widely accepted interventions previously demonstrated to be efficacious in clinical trials. Research must target the prevention or reversal of obesity, prevention of type 2 diabetes, improved care of type 1 and type 2 diabetes, or the prevention or delay of the complications of these conditions. The interventions proposed under this FOA should have the potential to be widely disseminated to clinical practice, individuals and communities at risk.
Amount: $2,500,000
LOI: N/R
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-176.html
Key Words: Obesity, Diabetes

NIDDK Small Grants for Clinical Scientists to Promote Diversity in Health-Related Research (R03)
PAR-09-223
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
Office of Dietary Supplements (ODS)
The purpose of this funding opportunity announcement (FOA) is to provide support for clinical scientists from underrepresented racial/ethnic backgrounds, disadvantaged backgrounds or clinical scientists with disabilities to conduct small research projects in the area of diabetes, endocrinology, metabolism, digestive diseases, hepatology, obesity, nutrition, kidney, urology, or hematology. The NIDDK and the ODS recognize the need to promote diversity in the health-related workforce by increasing the number of highly trained clinical researchers from diverse backgrounds conducting research in areas of importance to the NIDDK. This FOA is aimed at New Investigators (see Section III.1.B. for definition) who hold a health professional doctoral degree or other clinical doctoral degree AND who are from a group that have been shown to be underrepresented in biomedical research (see eligible PD/PI for full definition). The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. The R03 is intended to support small research projects that can be carried out in a short period of time with limited resources.
Amount: $375,000
LOI: 30 days prior to application date
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-223.html
Key Words: Diabetes, Endocrinology, Digestive Diseases, Training Grants

Home and Family Based Approaches for the Prevention or Management of Overweight or Obesity in Early Childhood (R21) and (R01)
PA-10-128 and PA-10-127
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Heart, Lung and Blood Institute (NHLBI)
Office of Behavioral and Social Sciences Research (OBSSR)
Office of Disease Prevention (ODP)
This Funding Opportunity Announcement (FOA) issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), the National Heart, Lung and Blood Institute (NHLBI), the Office of Behavioral and Social Sciences Research (OBSSR) and the Office of Disease Prevention (ODP), National Institutes of Health, invites exploratory pilot/feasibility study and small clinical trial (R21) applications from institutions/organizations that propose to test novel home or family based interventions for the prevention or management of overweight in infancy and early childhood. Tested interventions can use behavioral (including dietary and physical activity), environmental, or other relevant approaches. Applications should focus on infants and young children (to age six years) and emphasize the role of home environment and the influence of family/extended family members and parents (including guardians/substantial care-providers) within the child's home environment. The direct goal of this initiative is to fund research that will advance knowledge for innovative approaches to the prevention or management of overweight in children less than 6 years of age, with potential for future research clinical trial applications either in the home or linked to a community setting. Research should consider the role of families in the initiation, support, and reinforcement of fundamental food and beverage consumption, physical activity practices, and sedentary behaviors. In addition it is of interest to elucidate various underlying behavioral determinants that are crucial to initiate or sustain changes in behaviors that impact energy balance. Research designs may include linkages with other settings (e.g., daycare, pre-school, or other community venues) or other care providers (e.g., health care providers or teachers) but must include infants or children less than age six years as the primary study participant along with parents, and/or other family members residing with the child. The overarching goal is to identify interventions that influence parent and child behaviors that contribute to inappropriate weight gain, and thereby improve subsequent health status in childhood, adolescence, and adulthood for which overweight is a known risk factor.

Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Obesity

Pilot and Feasibility Clinical Research Studies in Digestive Diseases and Nutrition (R21)
PA-09-151
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Cancer Institute (NCI)
National Institute of Nursing Research (NINR)
Office of Dietary Supplements, National Institutes of Health (ODS)
This FOA issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK); the National Cancer Institute (NCI); the National Institute for Nursing Research (NINR), and Office of Dietary Supplements (ODS) of the National Institutes of Health, encourages pilot and feasibility clinical and epidemiological research studies of new therapies or means of health promotion and prevention of digestive and liver diseases and nutritional disorders associated with digestive and liver diseases, including cancer.

Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-151.html
Key Words: Liver Disease, Nutritional Disorders

Diet Composition and Energy Balance (R01)
PA-10-152
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Cancer Institute (NCI)
National Center for Complementary and Alternative Medicine (NCCAM)
National Heart, Lung and Blood Institute (NHLBI)
National Institute on Aging (NIA)

The goal of this funding opportunity announcement (FOA) is to invite Research Project Grant (R01) applications investigating the role of diet composition in energy balance, including studies in both animals and humans. Both short and longer-term studies are encouraged, ranging from basic studies investigating the impact of micro-or macronutrient composition on appetite, metabolism, and energy expenditure through clinical studies evaluating the efficacy of diets differing in micro- or macronutrient composition, absorption, dietary variety, or energy density for weight loss or weight maintenance.

Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-152.html
Key Words: Nutrient Composition, Energy Balance, Metabolism
Nutrition and Physical Activity Research to Promote Cardiovascular and Pulmonary Health (R01) and (R21)
PA-09-243 and PA-09-244
National Heart, Lung, and Blood Institute (NHLBI)
National Center for Complementary and Alternative Medicine (NCCAM)
National Institute of Nursing Research (NINR)
This FOA encourages Research Project Grant (R01) applications that propose research on the roles of nutrition and physical activity in the development, prevention, and management of cardiovascular diseases (CVD) or pulmonary diseases. In particular, the FOA aims to (1) improve knowledge of the contribution of diet and physical activity to these conditions and how sleep influences these relationships, (2) increase the evidence base for refining public health recommendations and clinical guidelines regarding these lifestyle behaviors, and (3) develop and test strategies to improve the adoption of these recommendations.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Sleep, Physical Activity, Cardiovascular Disease

Mechanistic Research on CAM Natural Products (R01)
RFA-AT-11-001
National Center for Complementary and Alternative Medicine (NCCAM)
National Cancer Institute (NCI)
Office of Dietary Supplements (ODS/NIH)
This FOA issued by the National Center for Complementary and Alternative Medicine (NCCAM) in collaboration with the Office of Dietary Supplements (ODS), at the National Institutes of Health, invites Research Project Grant (R01) applications to study the potential mechanisms of action of promising CAM natural products (NPs). Natural products are widely used by Americans for health purposes. Knowledge about the active components, their molecular and cellular targets, as well as markers of potential beneficial or harmful biological effects are critical pieces of preliminary information needed to insure maximally informative clinical efficacy studies on these products. Research on the development of improved methodology for the isolation and characterization of constituents of natural products and on their determination in the natural matrix will also be supported under this initiative.
Amount: $1,500,000
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-AT-11-001.html
Key Words:

In Utero Exposure to Bioactive Food Components and Mammary Cancer Risk (R01) [PA-08-0140]
In Utero Exposure to Bioactive Food Components and Mammary Cancer Risk (R21) [PA-08-0141]
PA-08-140 and PA-08-141
National Cancer Institute
National Institute of Environmental Health Sciences
Office of Dietary Supplements
This Funding Opportunity Announcement (FOA) encourages innovative preclinical research applications that will enhance the understanding of the relationship between exposure(s) to bioactive food components and/or environmental chemicals in utero, hormonal and growth-factor response, gene expression or epigenetic changes, and subsequent mammary cancer risk in preclinical models. This FOA encourages applications that apply new high-throughput genomic, epigenomic, proteomic, and metabolomic technologies to determine how dietary exposures in utero influence adult breast cancer susceptibility. The resulting information will help define effective maternal dietary intervention strategies for breast cancer prevention in offspring.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words:

Prioritizing Molecular Targets for Cancer Prevention with Nutritional Combinations (R01)
PA-10-035
National Cancer Institute (NCI)
Office of Dietary Supplements (ODS)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), and the Office of Dietary Supplements (ODS), of the National Institutes of Health (NIH), invites research applications to enhance our understanding about the dynamic interrelationship that exists between bioactive food components (and/or combinations thereof) and cancer prevention. Although much evidence exists that dietary components are linked to cancer prevention, the interactions among dietary bioactive compounds and food combinations remains under-investigated. Applications are encouraged to consider either multiple dietary bioactive components, intact foods or multiple foods utilizing physiologically relevant concentrations of the agents. New genetic technologies may be employed to study the impact of dietary components on complex cellular and molecular networks, as part of the effort to better understand the basis for the multifaceted interactions of food components with cancer prevention mechanisms. Specifically, applications that apply new high-throughput genomic, epigenomic, proteomic, and metabolomic technologies to prioritize molecular targets of dietary components are highly encouraged. The sites of action that may be evaluated include carcinogen metabolism, DNA repair, cell proliferation, apoptosis, differentiation, hormonal regulation, energetics, inflammation, and/or angiogenesis. In addition, applications should either evaluate multiple molecular targets within a cancer process or multiple processes in order to prioritize which process(es) is/are most involved in bringing about a phenotypic change. It is hoped that advances in this area may assist in optimizing cancer prevention while minimizing potential toxicity due to food components. The resulting information will help define which foods or food components should be considered in isolation or in combination when developing dietary strategies to reduce cancer risk and/or modify tumor behavior.

**Amount:** varies  
**LOI:** N/R  
**Deadline:** Standard dates apply  
**To learn more:** [http://grants.nih.gov/grants/guide/pa-files/PA-10-035.html](http://grants.nih.gov/grants/guide/pa-files/PA-10-035.html)

**Key Words:** Dietary Components, Cancer Prevention

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**Diet, Epigenetic Events, and Cancer Prevention (R01) and (R21)**  
PA-09-234 and PA-09-235  
National Cancer Institute (NCI)  
National Institute on Alcohol Abuse and Alcoholism (NIAAA)  
Office of Dietary Supplements (ODS)  
The aim of this funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), the National Institute on Alcohol Abuse and Alcoholism (NIAAA), and the Office of Dietary Supplements (ODS), of the National Institutes of Health (NIH), is to promote clinical and preclinical research to determine how diet and dietary factors, including dietary supplements, impact DNA methylation, histone posttranslational modification, noncoding RNA, and other epigenetic processes involved in cancer prevention and development. Another important aim of this FOA is to encourage collaborations between nutrition and epigenetic experts to study bioactive food components with cancer-preventative properties and to examine key epigenetic events in cancer processes (e.g., carcinogen metabolism, cell division, differentiation, and apoptosis) in order to begin to establish linkages between epigenetics, methylation patterns, and tumor incidences/behaviors.

**Amount:** varies  
**LOI:** N/R  
**Deadline:** Standard dates apply  

**Key Words:** DNA Methylation, Histones, Dietary Supplements, Cancer

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**Investigational Nutrigenetic Studies for Cancer Prevention**  
[(R01) PA-08-220] and [(R21) PA-08-221]  
PA-08-220 and PA-08-221  
National Cancer Institute (NCI)  
National Institute of Nursing Research (NINR)  
Office of Dietary Supplements (ODS)  
This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), the National Institute of Nursing Research (NINR), and the Office of Dietary Supplements (ODS), of the National Institutes of Health (NIH), solicits applications for research projects that can combine information on individual genetic variations from the Human Genome and International HapMap Projects to stimulate small pilot dietary intervention studies. The overarching goal is to examine whether genetic variants can predict individual response to dietary components that alter cancer processes and modify individual susceptibility to cancer. These studies will allow for personalization of cancer preventive dietary strategies to reduce cancer risk in genetically susceptible individuals. Associational and non-interventional epidemiologic-focused studies will not be supported in conjunction with this FOA.

**Amount:** varies  
**LOI:** N/R  
**Deadline:** Standard dates apply  

**Key Words:** Dietary Intervention, Cancer Susceptibility, Genetic Predictions

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**Improving Diet and Physical Activity Assessment (R01)**
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), the National Heart, Lung, and Blood Institute (NHLBI), the National Institute of Aging (NIA), the National Institute of Child Health and Human Development (NICHD), the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), and the National Institute of Nursing Research (NINR), encourages innovative research to enhance the quality of measurements of dietary intake and physical activity. Applications submitted under this FOA may include development of: novel assessment approaches; better methods to evaluate instruments; assessment tools for culturally diverse populations or various age groups, including older adults; improved technology or applications of existing technology; statistical methods to assess or correct for measurement errors or biases, methods to investigate the multidimensionality of diet and physical activity behavior through pattern analysis; or integrated measurement of diet and physical activity along with the environmental context of such behaviors.

Amount: varies
LOI: January 5, 2011; September 5, 2011; May 5, 2012
Deadline: February 5, 2011; October 5, 2011; June 5, 2012
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-224.html
Key Words: Obesity, Physical Activity

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Food and Drug Administration (FDA), the Centers for Disease Control and Prevention (CDC), encourages applications for research projects focused on the development and implementation of effective communication strategies related to diet and health. Specifically, this FOA is designed to promote interdisciplinary research, conducted at multiple levels (e.g., individual, community/environment, and policy) and across diverse populations, to evaluate effective communication approaches for changing dietary behaviors.
The Role of Microbial Metabolites in Cancer Prevention and Etiology (U01)
PAR-10-208
National Cancer Institute (NCI)
National Center for Complementary and Alternative Medicine (NCCAM)
This Funding Opportunity Announcement (FOA) issued by the National Cancer Institute (NCI), and the National Center for Complementary and Alternative Medicine, (NCCAM), at the National Institutes of Health, encourages the submission of grant applications that characterize the effects of microbially generated metabolites of dietary components on host cell biology. Specifically, this FOA seeks to characterize microbially generated metabolites and better understand their molecular mechanisms of action that affect host cell proliferative/apoptotic responses, cytokine production, inflammatory and immunomodulatory effects. This FOA will also encourage the conduct of human intervention studies that identify inter-individual variability among various racial and ethnic groups in the production of bacterial metabolites and determine their efficacy in cancer prevention. This research is necessary to better understand the role of dietary components in cancer etiology, prevention, and cancer health disparities to identify who might benefit from specific dietary recommendations and who might be placed at risk. One of the goals of this program will be to facilitate interdisciplinary collaborations among scientists engaged in nutrition, cancer prevention, cancer cell biology research, and cancer disparities research with those conducting studies with gut microorganisms. All applications must include multiple principle investigators with different areas of expertise such as microbiology, nutrition, cancer biology, analytical chemistry, or genetics. In addition, all investigators will be required to attend annual meetings with NIH personnel. Investigators may use either clinical or preclinical approaches.

Amount: varies
LOI: October 15, 2011; October 15, 2012
Deadline: November 15, 2011; November 15, 2012
Key Words: Nutrition, Communication

Exploratory Cancer Prevention Studies Involving Molecular Targets for Bioactive Food Components (R21)
PA-10-088
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), National Institutes of Health (NIH), encourages exploratory research on the role of nutrition in cancer prevention. Specifically, this FOA seeks to promote cancer prevention research to identify and characterize molecular targets for bioactive food components. For the purpose of this FOA, a bioactive food component is defined as a dietary constituent that has a health benefit by altering one or more cellular processes when provided in quantities over and beyond that needed for basic nutrition.

Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
Key Words: Molecular Targets, Food, Cancer

Community-Based Partnerships for Childhood Obesity Prevention and Control: Research to Inform Policy (R03) and (R21)
PA-09-140 and PA-09-141
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
National Cancer Institute (NCI)
National Heart, Lung, and Blood Institute (NHLBI)
Office of Behavioral and Social Sciences Research (OBSSR)
National Center for Chronic
The purpose of this funding opportunity announcement (FOA) issued by the NICHD is to enhance childhood obesity research by fostering the formation of local, state, or regional teams consisting of researchers, policymakers, and other relevant stakeholders (e.g., community representatives, public health practitioners or officials, educators) in order to identify research questions and hypotheses, design and implement the relevant research, and translate the research into evidence relevant to potential policy efforts in this area. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. The R03 is intended to support small research projects that can be carried out in a short period of time with limited resources.

Amount: $100,000-$275,000
Limited Competition: Fogarty International Research Collaboration - Basic Biomedical (FIRCA-BB) Research Award (R03)

**New**

PAR-11-037  
National Institutes of Health (NIH)  
multiple institutes  

This Funding Opportunity Announcement (FOA), the “Fogarty International Research Collaboration – Basic Biomedical (FIRCA-BB) Research Award” facilitates collaborative basic biomedical research between scientists supported by the National Institutes of Health (NIH) and investigators in low-and middle-income countries (LMIC). Special consideration will be given to proposed research that addresses significant global health problems, (particularly those of high relevance to a LMIC country or region) and that includes research capacity building as a major aim of the proposed project.

**Amount:** $150,000  
**LOI:** December 10, 2010; 2011; 2012  
**Deadline:** January 10, 2011, January 10, 2012, January 10, 2013  

Key Words: Childhood Obesity, Public Policy

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NIDCR Behavioral or Social Intervention Planning and Pilot Data Grant (R34)

**New**

RFA-DE-12-001  
National Institute on Dental and Craniofacial Research (NIDCR)  

The purpose of the NIDCR Behavioral or Social Intervention Planning and Pilot Data Grant (R34) program is to support the planning, design, documentation, and pilot data collection for investigator-initiated studies of behavioral or social interventions relevant to oral, dental or craniofacial health. This program is intended to provide support for the development of a comprehensive clinical trial protocol (i.e., behavioral or social intervention study protocol), associated documents, and collection of pilot data. The complete protocol, associated documents, and pilot data are required components of any subsequent clinical trial implementation (U01) application. The product of successful R34 funding will be either an application for a clinical trial implementation cooperative agreement (U01), or a report summarizing the work completed and the reasons for not proceeding to a clinical trial implementation application.

**Amount:** $350,000  
**LOI:** December 10, 2010  
**Deadline:** January 10, 2011  

Key Words:

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Research on Malignancies in the Context of HIV/AIDS (R01) and (R21)

**New**

PA-10-290 and PA-10-291  
National Cancer Institute (NCI)  
National Institute on Dental and Craniofacial Research (NIDCR)  

This funding opportunity announcement (FOA) issued by NCI and NIDCR, National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/organizations that propose to continue advancing our understanding of the risks, development, progression, diagnosis, and treatment of malignancies observed in individuals with an underlying Human Immunodeficiency (HIV) infection or Acquired Immune Deficiency Syndrome (AIDS). The NCI and NIDCR seek to encourage research in areas such as the study of the etiologic factors, cofactors, immunopathogenesis, diagnosis, and consequences of both AIDS-defining and non-AIDS defining malignancies in diverse populations in the context of an underlying HIV infection. This FOA invites research efforts that will: (i) provide information on the clinical outcomes of such cancers in the HIV-infected population; and (ii) identify specific contributions resulting from HIV infection and its potential interaction with other pathogens for the development and pathogenesis of these cancers.

**Amount:** varies  
**LOI:** N/R  
**Deadline:** Standard dates apply
Bioengineering Research Grants (BRG)[R01]
PA-06-419
National Institutes of Health (NIH), multiple institutes
The BRGs support multi-disciplinary research performed in a single laboratory or by a small number of investigators that applies an integrative, systems approach to develop knowledge and/or methods to prevent, detect, diagnose, or treat disease or to understand health and behavior. A BRG application may propose hypothesis-driven, discovery-driven, developmental, or design-directed research.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-06-419.html
Key Words: Imaging, Bioengineering, Arthritis, Musculoskeletal and Skin Diseases, Dental and Craniofacial, Neurological Disorders, Stroke, CAM

NIDCR Small Research Grants for Data Analysis and Statistical Methodology (R03)
PAR-09-182
National Institute of Dental and Craniofacial Research (NIDCR).
The goal of this funding opportunity announcement (FOA) is to support meritorious research projects that involve secondary data analyses or statistical methodology using existing dental or craniofacial database resources.
Amount: $200,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-182.html
Key Words: Dentistry, Database, Statistical Analysis

Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Training for a Dental and Craniofacial Research Workforce (T32)
PAR-10-171
National Institute of Dental and Craniofacial Research (NIDCR)
The National Institute of Dental and Craniofacial Research (NIDCR) will award T32 Institutional Training grants to eligible institutions that are committed to supporting predoctoral and postdoctoral research training as a means to help ensure that a diverse and highly trained workforce is available to address the Nations health related needs in dental, oral, and craniofacial research. This NIDCR program is designed in recognition of the need to develop a cadre of highly qualified independent scientists who can successfully address basic, behavioral, and clinical research questions to improve oral, dental and craniofacial health. Trainees are required to pursue full-time research training. Priority will be given to programs that present plans and evidence that they will train dentist scientists either as predoctoral dual degree dentist scientists, dentists receiving PhD training or dentists training in a postdoctoral research experience.
Amount: $4,000,000
Key Words: Oral, Dental and Craniofacial Health

Institutional Training for a Dental and Craniofacial Research Workforce (T90/R90)
PAR-10-170
National Institute of Dental and Craniofacial Research (NIDCR)
The National Institute of Dental and Craniofacial Research (NIDCR) will award T90/R90 grants to eligible institutions that are committed to supporting predoctoral and postdoctoral research training as a means to help ensure that a diverse and highly trained workforce is available to address the Nations health related needs in dental, oral, and craniofacial research. This NIDCR program is designed in recognition of the need to develop a cadre of highly qualified independent scientists who can successfully address basic, behavioral, and clinical research questions to improve oral, dental and craniofacial health. Trainees are required to pursue full-time research training. Priority will be given to programs that present plans and evidence that they will train dentist scientists either as predoctoral dual degree dentist scientists, dentists receiving PhD training or dentists training in a postdoctoral research experience.
Amount: $4,000,000
NIDCR Small Research Grants for Data Analysis and Statistical Methodology applied to Genome-wide Data (R03)
PAR-10-041
National Institute of Dental and Craniofacial Research (NIDCR)
This funding opportunity announcement (FOA) will support meritorious research projects that involve secondary data analyses or development of statistical methodology using existing genome-wide data, relevant to human dental or craniofacial conditions or traits.
Amount: $300,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-041.html
Key Words: Oral, Dental and Craniofacial Health

NIDCR Dentist Scientist Pathway to Independence Award (K99/R00)
PAR-09-256
National Institute of Dental and Craniofacial Research (NIDCR)
The primary purpose of the Pathway to Independence Award (K99/R00) program is to increase and maintain a strong cohort of new and talented NIH-supported independent investigators. The program is designed to facilitate a timely transition from a mentored postdoctoral research position to a stable independent research position with independent NIH or other independent research support at an earlier stage than is currently the norm.
Amount: $1,445,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-256.html
Key Words: Training Grants

NIDCR Clinical Trial Implementation Cooperative Agreement (U01)
PAR-08-196
National Institute of Dental and Craniofacial Research (NIDCR)
This FOA issued by the National Institute of Dental and Craniofacial Research (NIDCR), National Institutes of Health, will support investigator-initiated Phase I, II, III, or IV clinical trial cooperative agreement applications only from NIDCR Clinical Trial Planning (R34) grant awardees (see PAR-08-195 for information about NIDCR Clinical Trial Planning Grants) unless an exception is granted. Each clinical trial implementation application will use the PHS 398 grant application with special instructions and will include a final draft of the clinical trial protocol, the Clinical Investigators Brochure or equivalent, and a Manual of Procedures resulting from the R34 grant. These documents must meet all National Institutes of Health (NIH), Food and Drug Administration (FDA), and Office of Human Research Protections (OHRP) requirements. All awards will be made as cooperative agreements.
Amount: varies
LOI: Six weeks before submission
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-196.html
Key Words: Clinical Trials

NIDCR Clinical Trial Planning Grant (R34)
PAR-08-195
National Institute of Dental and Craniofacial Research (NIDCR)
This FOA, issued by the National Institute of Dental and Craniofacial Research (NIDCR), National Institutes of Health, will support clinical trial planning (R34) grants for the comprehensive planning, design and documentation of investigator-initiated Phase I, II, III, or IV interventional clinical trials. Interventional behavioral studies, sometimes referred to as Stage I, II, III or IV studies, are included. The R34 planning grant is designed to: (1) permit early peer review of the rationale for the proposed clinical trial; (2) permit early assessment of the design and implementation plans of the proposed trial; and (3) provide support for the development of a comprehensive clinical trial protocol and associated documents including a Manual of Procedures. The complete protocol and associated documents are required components of any subsequent clinical trial implementation (U01) application. The product of the R34 will be either an application for a clinical trial implementation cooperative agreement (U01) or a report summarizing the work completed and the reasons for not proceeding to a clinical trial implementation application. Pre-approval from the NIDCR is required for the submission of the R34 application.
Amount: varies
NIDCR Individual NRSA Predoctoral Dental Scientist Fellowship (F30)
PAR-08-119
National Institute of Dental and Craniofacial Research (NIDCR)
The National Institute of Dental and Craniofacial Research (NIDCR) seeks new Ruth L. Kirschstein National Research Service Award (NRSA) applications for an Individual Predoctoral Dental Scientist Fellowship (PDSF). The purpose of the PDSF is to offer an integrated dental and graduate research training program that leads to attainment of both the DDS/DMD and PhD (or equivalent) degrees.
Amount: $50,000/year
LOI: N/R
Deadline: Standard NRSA receipt dates of April 8, August 8 and December 8
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-119.html
Key Words: Dentistry, Dental Training, Dental Fellowships

Patient Oriented Research

Clinical Research Program

New
American Heart Association
Encourages early career investigators who have appropriate and supportive mentoring relationships to engage in high quality introductory and pilot clinical studies that will guide future strategies for reducing cardiovascular disease and stroke while fostering new research in clinical and translational science, and encouraging community- and population-based activities.
Amount: $110,000
LOI: N/R
Deadline: January 21, 2011
To learn more: http://www.americanheart.org/presenter.jhtml?identifier=9215
Key Words:

Patient Safety and Medical Liability Reform Planning Projects (R21)

New
PAR-11-023
Agency for Healthcare Research and Quality (AHRQ)
This FOA solicits planning grants that would lead to the later implementation of a demonstration project on patient safety and medical liability reform. Specifically, the planning effort must focus on: putting patient safety first and working to reduce preventable injuries; fostering better communication between doctors and their patients; ensuring that patients are compensated in a fair and timely manner for medical injuries, while also reducing the incidence of frivolous lawsuits; and reducing liability premiums. The projects must be designed to optimize promising practices that address both ensuring and improving patient safety, as well as reducing health care costs. The projects must focus on the connections between patient safety and medical liability claims.
Amount: $300,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-11-023.html
Key Words:

Long Acting, Sustainable Therapies of Opiate Addiction (R01)

PAS-08-061
NIDA
This Funding Opportunity Announcement (FOA) issued by the National Institute on Drug Abuse, National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/organizations that propose the development of sustained pharmacotherapies and behavioral treatments to reduce the risk of contraction and transmission of HIV. Specifically, this FOA supports applications directed at the development of (1) heroin/morphine-protein conjugates (hereetofore referred to as heroin/morphine conjugate vaccines or HCVs) for the treatment of opiate addiction, (2) clinical systems for the application of currently available long-acting (30-day or longer sustained-release) dosage forms for opiate pharmacotherapies to optimize these sustained pharmacotherapies.
to effect the reduction of the risk for acquisition and transmission of HIV, and (3) effective clinical treatment modalities, including
behavioral treatment in conjunction with pharmacotherapies, to improve the effectiveness of opiate treatment and reduce the risk
behaviors associated with transmission of HIV. Clinical studies should include the assessment of HIV risk behaviors as an outcome
measure.
Amount: $400,000
LOI: N/R
Deadline: multiple, see link
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAS-08-061.html
Key Words:

SHIFT Award: Small Businesses Helping Investigators to Fuel the Translation of Scientific Discoveries [SBIR: R43/R44]
PA-10-122
National Institutes of Health (NIH)
multiple institutes
The primary objectives of the SHIFT SBIR initiative are: (1) to foster research that is translational in nature and (2) to transform
academic scientific discoveries into commercial products and services. Academic researchers can be a driving force for new products
and services in a small business concern (SBC). A major feature of the SHIFT program includes the requirement for an investigator
who is primarily employed by a United States research institution at the time of application to transition to a small business concern
(SBC) and be primarily employed (more than 50% time) by the SBC by or at the time of award. A SHIFT SBIR grant enables an SBC to
increase both its scientific research staff and its core competencies. The Project Director/Principal Investigator (PD/PI) may also
facilitate SBC licensing of intellectual property (IP) from the PD/PI’s prior academic institutions, promote collaboration opportunities with
academic investigators, and enable better access to academic resources.
Amount: up to $2,250,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-122.html
Key Words: Translational Research

Behavioral and Integrative Treatment Development Program (R01) and (R03) and (R34)
PA-10-012 and PA-10-011 and PA-10-013
National Institute on Drug Abuse (NIDA)
National Institute on Alcoholism and Alcohol Abuse (NIAAA)
National Institute of Nursing Research (NINR)
The purpose of this FOA for R01 applications is to encourage Stage II or Stage III research to conduct clinical trials, examine
mechanisms of behavior change, determine dose-response, optimize combinations, and/or ascertain best sequencing of behavioral,
combined, sequential, or integrated behavioral and pharmacological (1) drug abuse treatment interventions, including interventions for
patients with comorbidities, in diverse settings; (2) interventions to prevent the acquisition or transmission of HIV infection among
individuals in drug abuse treatment; (3) interventions to promote adherence to drug abuse treatment, HIV and addiction medications;
and (4) interventions to treat chronic pain.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Clinical Trials, Drug Abuse Treatment, HIV and Addictions

NIDA Research Education Program for Clinical Researchers and Clinicians (R25)
PAR-10-173
National Institute on Drug Abuse (NIDA)
The NIDA Research Education Program will support research education and training for those in clinically focused careers. Participants
(those receiving the research education and training) should be training for careers as clinical researchers, clinicians/service providers,
or optimally, a combination of the two. This mechanism may not be used for support of non-research related clinical training. In addition,
apPLICANT organizations may only propose research education experiences at the following levels of professional career development:
medical/graduate student, postdoctoral fellow, medical resident, and/or independent scientist. Research education and training
activities may be in any topic area related to substance use/abuse/addiction; however, the following are examples of particular
relevance to this FOA: etiology; clinical assessment and diagnostics; treatment; prevention; health services; clinical neuroscience;
medical consequences of drug abuse; and pre-clinical research as it pertains to translational research. Interdisciplinary research
education is encouraged and may include co-morbid conditions and consequences of drug use such as HIV/AIDS. Education
partnerships and collaborations are also encouraged.
Mechanisms of Alcohol-Induced Tissue Injury (R01)

PA-10-129 and PA-10-130
National Institute on Drug Abuse (NIDA)

This FOA issued by the National Institute on Drug Abuse (NIDA), National Institutes of Health (NIH), encourages Research Project Grant (R01) applications to examine the drug abuse aspects of HIV/AIDS, including research on drug-related risk behaviors, addiction and HIV disease, and drug use/HIV-related comorbidities and consequences. Proposals are needed to identify and predict changes in the epidemiology of HIV/AIDS among injection and non-injection drug users and among their sexual partners, to develop and test primary and secondary drug abuse and HIV prevention and treatment interventions, to improve HIV testing, counseling, and treatment services for those living with HIV/AIDS, and to address basic mechanisms involved in HIV infection and AIDS pathogenesis in the context of drug abuse and addiction.

Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: HIV/AIDS, Drug Abuse

Drug Abuse Aspects of HIV/AIDS (R01) and (R21) and (R03)

PA-10-129 and PA-10-130 and PA-10-131
National Institute on Drug Abuse (NIDA)

This FOA issued by the National Institute on Drug Abuse (NIDA), National Institutes of Health (NIH), encourages Research Project Grant (R01) applications to examine the drug abuse aspects of HIV/AIDS, including research on drug-related risk behaviors, addiction and HIV disease, and drug use/HIV-related comorbidities and consequences. Proposals are needed to identify and predict changes in the epidemiology of HIV/AIDS among injection and non-injection drug users and among their sexual partners, to develop and test primary and secondary drug abuse and HIV prevention and treatment interventions, to improve HIV testing, counseling, and treatment services for those living with HIV/AIDS, and to address basic mechanisms involved in HIV infection and AIDS pathogenesis in the context of drug abuse and addiction.

Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: HIV/AIDS, Drug Abuse

Mechanisms of Alcohol-Induced Tissue Injury (R01)

PA-10-129 and PA-10-130 and PA-10-131
National Institute on Drug Abuse (NIDA)

This FOA issued by the National Institute on Drug Abuse (NIDA), National Institutes of Health (NIH), encourages Research Project Grant (R01) applications to examine the drug abuse aspects of HIV/AIDS, including research on drug-related risk behaviors, addiction and HIV disease, and drug use/HIV-related comorbidities and consequences. Proposals are needed to identify and predict changes in the epidemiology of HIV/AIDS among injection and non-injection drug users and among their sexual partners, to develop and test primary and secondary drug abuse and HIV prevention and treatment interventions, to improve HIV testing, counseling, and treatment services for those living with HIV/AIDS, and to address basic mechanisms involved in HIV infection and AIDS pathogenesis in the context of drug abuse and addiction.

Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: HIV/AIDS, Drug Abuse

Drug Abuse Epidemiology and Services Research in Cooperation with the Clinical and Translational Science Awards Consortium (R01)

PAS-09-001
National Institute on Drug Abuse (NIDA)

Through this program announcement with set aside (PAS), the National Institute on Drug Abuse (NIDA) invites applicants to develop innovative drug abuse epidemiology or health services research in cooperation with academic centers supported through the NIH Clinical and Translational Science Awards (CTSA) consortium. A major NIH initiative, the CTSA consortium is transforming how clinical and translational research is conducted, building an infrastructure for multidisciplinary researchers and clinicians to perform research and develop new treatments more efficiently. As a part of this infrastructure, CTSA sites have established partnerships with a range of clinical settings and have access to large, multi-generational population cohorts. These features of the CTSA sites offer a unique opportunity for researchers to integrate drug abuse epidemiology and health services research in these settings. Applicants are asked to propose innovative drug abuse research which builds upon the resources available at CTSA sites, resources which would include CTSA efforts to strengthen networks of clinical sites and to establish innovative information technologies, phenotyping systems, and biobanks. A broad range of drug abuse epidemiology and health services research areas will be supported under the auspices of this FOA.

Amount: $2,500,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAS-09-001.html
Key Words: CTSA, Epidemiology, Drug Abuse Treatment

Collaborative Clinical Trials in Drug Abuse (Collaborative R01)

PAR-10-099
National Institute on Drug Abuse (NIDA)

The National Institute on Drug Abuse (NIDA) seeks to increase the clinical collaboration of investigators between multiple clinical research groups, while simultaneously facilitating the study of outcome measures and/or patient populations that require larger numbers of subjects than any single site can reasonal enrol.

Amount: $2,500,000
LOI: 30 days before planned application submission date
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-099.html
Key Words: Substance-Related disorders, Pharmacological Treatment, Behavioral Therapy, Neuroimaging, Infectious Disease Transmission

Drug Abuse Aspects of HIV/AIDS (R01) and (R21) and (R03)

PA-10-129 and PA-10-130 and PA-10-131
National Institute on Drug Abuse (NIDA)

This FOA issued by the National Institute on Drug Abuse (NIDA), National Institutes of Health (NIH), encourages Research Project Grant (R01) applications to examine the drug abuse aspects of HIV/AIDS, including research on drug-related risk behaviors, addiction and HIV disease, and drug use/HIV-related comorbidities and consequences. Proposals are needed to identify and predict changes in the epidemiology of HIV/AIDS among injection and non-injection drug users and among their sexual partners, to develop and test primary and secondary drug abuse and HIV prevention and treatment interventions, to improve HIV testing, counseling, and treatment services for those living with HIV/AIDS, and to address basic mechanisms involved in HIV infection and AIDS pathogenesis in the context of drug abuse and addiction.

Amount: $2,500,000
LOI: 30 days before planned application submission date
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-173.html
Key Words: $1,750,000
LOI: 30 days prior to the application submission date
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-173.html
Key Words: Collaborative Clinical Trials in Drug Abuse (Collaborative R01)
PA-08-164
National Institute on Alcohol Abuse and Alcoholism
National Heart, Lung, and Blood Institute
The National Institute on Alcohol Abuse and Alcoholism (NIAAA), National Heart Lung and Blood Institute (NHLBI), National Institutes of Health (NIH), solicit the submission of investigator-initiated research grant applications to support research investigating the Mechanisms of Alcohol Induced Tissue Injury in diverse groups and across the life span.

Amount: $250,000
LOI: N/R
Deadline: Standard dates apply

**Key Words**: Alcohol, Tissue Damage, Alcohol Disease

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**Alcohol Use Disorders: Treatment, Services Research, and Recovery (R21)**
PA-08-008
National Institute on Alcohol Abuse and Alcoholism

This Funding Opportunity Announcement (FOA), issued by the National Institute on Alcohol Abuse and Alcoholism (NIAAA), National Institutes of Health (NIH), encourages Exploratory/Developmental (R21) grant applications from institutions/organizations that utilize innovative approaches to research on: behavioral and pharmacological treatment for alcohol use disorders; organizational, financial, and management factors that facilitate or inhibit the delivery of services for alcohol use disorders; and/or on the phenomenon of recovery from alcohol use disorders. NIH encourages Exploratory/Developmental (R21) grant applications from institutions/organizations that utilize innovative approaches to research on: behavioral and pharmacological treatment for alcohol use disorders; organizational, financial, and management factors that facilitate or inhibit the delivery of services for alcohol use disorders; and/or on the phenomenon of recovery from alcohol use disorders.

Amount: $275,000
LOI: N/R
Deadline: Multiple dates, see announcement
To learn more: [http://grants.nih.gov/grants/guide/pa-files/PA-08-008.html](http://grants.nih.gov/grants/guide/pa-files/PA-08-008.html)

**Key Words**: Alcohol, Treatment, Services, Recovery

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**Clinical Trial Planning Grants for Critical Illness and Injury in Aging (R34)**
PA-10-045
National Institute on Aging (NIA)

This FOA issued by the National Institute on Aging encourages Clinical Trial Planning Grant (R34) applications to develop research protocols for Phase III and IV clinical trials related to critical illness and injury in aging. The planning grant mechanism is intended to permit early peer review of the rationale and design of the proposed Phase III or IV clinical trial, and to support development of a research team, tools for data management and research oversight, recruitment strategies, detailed protocol and Manual of Procedures (MOP), and other essential components necessary for a competitive clinical trial application. This FOA is NOT designed for collecting preliminary data or conducting pilot studies in support of the scientific rationale for a clinical trial.

Amount: varies
LOI: N/R
Deadline: Standard dates apply

**Key Words**: Aging, Clinical Trials, Critical Illness

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**Mechanisms, Models, Measurement, & Management in Pain Research (R01), (R03) and (R21)**
PA-10-006 and PA-10-008 and PA-10-007
National Institute of Nursing Research (NINR)
National Cancer Institute (NCI)
National Center for Complementary and Alternative Medicine (NCCAM)
National Institute on Aging (NIA)
National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)

The purpose of this Funding Opportunity Announcement (FOA), “Mechanisms, Models, Measurement, & Management in Pain Research” issued by the National Institute of Nursing Research (NINR), in conjunction with members of the NIH Pain Consortium as listed above, is to inform the scientific community of the pain research interests of the various Institutes and Centers (ICs) at the National Institutes of Health (NIH) and to stimulate and foster a wide range of basic, clinical, and translational studies on pain as they relate to the missions of these ICs. New advances are needed in every area of pain research, from the micro perspective of molecular sciences to the macro perspective of behavioral and social sciences. Although great strides have been made in some areas, such as the identification of neural pathways of pain, the experience of pain and the challenge of treatment have remained uniquely individual and unsolved. Furthermore, our understanding of how and why individuals transition to a chronic pain state after an acute insult is
limited. Research to address these issues conducted by interdisciplinary and multidisciplinary research teams is strongly encouraged, as is research from underrepresented, minority, disabled, or women investigators.

Amount: varies
LOI: N/R
Deadline: Standard dates apply

Key Words: Nursing, Pain Management, Clinical and Translational

Research on Clinical Decision Making in People with or at Risk for Life-Threatening Illness (R01) and (R21)

PA-09-122 and PA-09-121
National Institute of Nursing Research (NINR)
National Cancer Institute (NCI)
This funding opportunity announcement (FOA) issued by the National Institute of Nursing Research (NINR) and the National Cancer Institute (NCI), National Institutes of Health, seeks to stimulate research on the decision-making processes made by persons at risk for and those faced with life-threatening illness. These illnesses are ones that almost always lead to death in a fairly short period of time if left untreated, but may be chronic or even cured if dealt with early in the disease process. An example of a life-threatening illness that may be chronic for some years would be HIV infection when treated. An example of a life-threatening illness that may be cured in its early stages would be breast cancer. Decision-making can occur from the point of adopting preventive behaviors through the end of life. Examples of such decisions could include participating in an HIV vaccine clinical trial, testing for genetic disorder, choosing a treatment intervention vs. watchful waiting (as in early stage prostate cancer), choosing a treatment intervention among several options, joining a therapeutic clinical trial, or making end-of-life care decisions.

Amount: varies
LOI: N/R
Deadline: Standard dates apply

Key Words: Nursing Research, Cancer Control, Life-Threatening Decision Making Caregivers, Palliative Care

NINDS Exploratory Clinical Trials (R01)
PAR-10-199
National Institute of Neurological Disorders and Stroke (NINDS)
The purpose of this Funding Opportunity Announcement (FOA) is to provide a vehicle for submitting grant applications for investigator-initiated exploratory clinical trials to the National Institute of Neurological Disorders and Stroke (NINDS). The trials must address research questions related to the mission and goals of the NINDS and may evaluate drugs, biologics, devices, or surgical, behavioral or rehabilitation therapies.

Amount: varies
LOI: N/R
Deadline: Standard R01 dates
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-199.html

Key Words:

NINDS Cooperative Program in Translational Research – Single-Component Research Projects (U01)
PAR-08-233
National Institute of Neurological Disorders and Stroke (NINDS)
The goal of this funding opportunity announcement (FOA) is to support pre-clinical development and testing of new therapies for neurological disorders. The program will facilitate solicitation, development, and review of therapy-directed projects to accelerate the translation of basic research discoveries into therapeutic candidates for clinical testing. This program is specifically directed at projects that include therapeutic leads with demonstrated activity against the intended disease target. The program supports pre-clinical optimization and testing of these leads and projects must be sufficiently advanced that an IND or IDE application to the FDA can be submitted by the end of the project period. The program does not support early-stage therapeutic discovery activities such as high throughput screening. The program also excludes clinical research, basic research, and studies of disease mechanism. This is a milestone-driven cooperative agreement program involving participation of NINDS staff in the development of the project plan and monitoring of research progress.

Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-233.html

Key Words: Clinical translational, neurology, neurological disorders
NINDS Cooperative Program in Translational Research - Multi-Component Research Projects (U54)
PAR-08-234
National Institute of Neurological Disorders and Stroke (NINDS)
The goal of this Funding Opportunity Announcement (FOA) is to support preclinical development and testing of new therapies for neurological disorders. The program will facilitate solicitation, development, and review of therapy-directed projects to accelerate the translation of basic research discoveries into therapeutic candidates for clinical testing. This program is specifically directed at projects that include therapeutic leads with demonstrated activity against the intended disease target. The program does not support early-stage therapeutic discovery activities such as high-throughput screening. The program also excludes clinical research, basic research, and studies of disease mechanism. This is a milestone-driven cooperative agreement program involving participation of NINDS staff in the development of the project plan and monitoring of research progress.
Amount: varies
LOI: N/R
Deadline: Standard dates apply (January 25, May 25, and September 25. AIDS application submission dates are May 7, September 7, and January 7)
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-234.html
Key Words: Neurological Disorders, Neurology, Neuroscience, Clinical translational

Drug Discovery for Nervous System Disorders (R01) and (R21)
PAR-10-001 and PAR-10-002
National Institute of Mental Health (NIMH)
National Institute on Aging (NIA)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute on Drug Abuse (NIAD)
National Institute of Neurological Disorders and Stroke (NINDS)
This funding opportunity announcement (FOA) encourages research grant applications from applicant organizations directed toward the discovery and preclinical testing of novel compounds for the prevention and treatment of nervous system disorders.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Neurological Disorders, Therapy, Treatment, Diagnostics

Collaborative R34s for Pilot Studies of Innovative Treatments in Mental Disorders (Collaborative R34)
PA-09-075
National Institute of Mental Health (NIMH)
National Center for Complementary and Alternative Medicine
This Funding Opportunity Announcement (FOA), issued by the National Institute of Mental Health (NIMH) and the National Center for Complementary and Alternative Medicine (NCCAM), seeks to support collaborative preliminary intervention studies to evaluate the feasibility, tolerability, acceptability and safety of novel mechanism drug candidates, promising investigational new drugs (INDs), or novel psychosocial strategies for the treatment of mental disorders and for obtaining the preliminary data needed as a pre-requisite to larger-scale (efficacy or effectiveness) intervention or services studies. This FOA should be used when at least two but no more than three sites are needed to complete the study. The collaborating studies should be organized in order to increase sample size, accelerate recruitment, and/or increase sample diversity and representation. For a linked set of collaborative R34s, each site shall have its own Project Director/Principal Investigator and provide for a mechanism for cross-site coordination, quality control, database management, statistical analysis, and reporting.
Amount: $450,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-075.html
Key Words: Mental Disorders, Drug Therapy

Pilot Intervention and Services Research Grants (R34)
PAR-09-173
National Institute of Mental Health (NIMH)
The purpose of this Funding Opportunity Announcement (FOA) is to encourage research on 1) the development and/or pilot testing of new or adapted interventions, 2) the adaptation and/or pilot testing of interventions with demonstrated efficacy for use in broader scale effectiveness trials, or 3) innovative services research directions that require preliminary testing or development. The R34 award mechanism provides resources for evaluating the feasibility, tolerability, acceptability and safety of novel approaches to improving mental health and modifying health risk behavior, and for obtaining the preliminary data needed as a pre-requisite to a larger-scale
NIMH intervention and services research is aimed at preventing or ameliorating mental disorders, emotional or behavioral problems, the co-occurrence of mental, physical and substance abuse problems, HIV infections, and the functional consequences of these problems across the life span.

Amount: $450,000
LOI: N/R
Deadline: Standard dates apply
To learn more: [Link to Grant Information]
Key Words: Health Risk Behavior, Mental Health Treatment

Novel NeuroAIDS Therapeutics: Integrated Preclinical/Clinical Program (P01)
PAR-10-216
National Institute of Mental Health (NIMH)
The aim of this Funding Opportunity Announcement (FOA) issued by the National Institute of Mental Health (NIMH), National Institutes of Health (NIH), is to support research focused on accelerating basic and translational scientific discoveries with a plan to advance drug therapeutics for HIV-Associated Neurocognitive Disorders (HAND). Recent clinical observations indicate that over 50% of HIV infected patients manifest HAND despite receiving highly active antiretroviral therapy (HAART). These clinical observations inform the need to obtain a better understanding of HAND and to develop novel therapeutic drug candidates to prevent or interfere with progression of HAND. Applicants are invited to develop a multidisciplinary program with a minimum of three highly integrated research projects and one Administrative Core focused on research and development of novel therapeutics for HAND. At least one component (research project) may be derived from industry (i.e., pharmaceutical, chemical, bioengineering or biotechnological companies). A Scientific Advisory Panel (SAP) for each award under this FOA will be constituted within 6 months of the award.

Amount: varies
LOI: August 7, 2011; August 7, 2012
Deadline: September 7, 2011; September 7, 2012
To learn more: [Link to Grant Information]
Key Words: NeuroAIDS Therapeutics, HAND, Neurocognitive Disorders

Pilot and Feasibility Clinical Research Grants in Diabetes, Endocrine and Metabolic Diseases (R21)
PA-09-133
National Institute of Diabetes and Digestive and Kidney Diseases
Office of Dietary Supplements
This FOA, issued by National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the Office of Dietary Supplements (ODS) of the National Institutes of Health, encourages exploratory/developmental clinical research related to the prevention or treatment of diabetes, obesity and endocrine and genetic metabolic diseases. The Pilot and Feasibility Clinical Research Grants Program is designed to allow initiation of exploratory, short-term clinical studies, so that new ideas may be investigated without stringent requirements for preliminary data. The short-term studies should focus on research questions that are likely to have high clinical impact. They can include testing a new prevention strategy, a new intervention, or unique combinations of therapies. A high priority is the use of such studies to help stimulate the translation of promising research developments from the laboratory into clinical practice in diabetes, endocrine diseases and genetic metabolic diseases, including cystic fibrosis.

Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more: [Link to Grant Information]
Key Words: Diabetes, Cystic Fibrosis, Metabolic Disease

NIDDK Multi-Center Clinical Study Implementation Planning Grants (U34)
PAR-10-197
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
Office of Dietary Supplements (ODS)
NIDDK supports investigator-initiated, multi-center (three or more sites) clinical studies exclusively through a two-part process that includes an implementation planning (U34) grant. The U34 planning grant is designed to: (1) permit early peer review of the rationale for the proposed clinical study; (2) permit assessment of the design and protocol of the proposed study; (3) provide support for the development of documents needed for the conduct of the study, including a manual of operations and (4) support the development of other essential elements required for the conduct of a clinical study. Completion of the required products of a U34 grant is a prerequisite for submission of a multi-center clinical study cooperative agreement (U01) application, which will support the actual conduct of the study.

Amount: $500,000
LOI: Pre-approval from NIDDK will be required for submission of an U34 application
To learn more: [Link to Grant Information]
Development and Validation of Disease Biomarkers (R01)
PA-09-204
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) (http://www2.niddk.nih.gov)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute of Nursing Research (NINR)
Office of Dietary Supplements (ODS)
This Funding Opportunity Announcement (FOA) issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), the National Institute on Alcohol Abuse and Alcoholism (NIAAA), the National Institute of Nursing Research (NINR), and the Office of Dietary Supplements (ODS) of the National Institutes of Health, will provide resources to validate candidate biomarkers for well-defined human diseases of the liver, kidney, urological tract, and digestive and hematologic systems, as well as endocrine and metabolic disorders, diabetes and its complications, and obesity, for which there are no or very few biomarkers, or for which standard biomarkers are currently prohibitively invasive or expensive. A biomarker is an indicator of a disease process, and could replace hard clinical end points as a measure of the effect of new therapies. Appropriate studies will validate candidate biomarkers in well-defined patient populations, provide new technologies to monitor biomarkers or establish reliable assays for validated markers. Progress in this area has the potential to advance translational research related to efficacy of treatments and bio-behavioral interventions. This FOA is not appropriate for biomarker discovery projects.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-204.html
Key Words: Biomarkers, Translational Research, Therapies

Pilot and Feasibility Clinical Research Grants in Kidney or Urologic Diseases (R21)
PAR-09-077
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
This FOA issued by the National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health, encourages Exploratory/Development Research Grants (R21) that propose small scale or pilot and feasibility clinical and translational research studies, including epidemiological studies or clinical trials related to kidney or urologic disease research that address important clinical and translational questions and are potentially of high clinical and public health impact. It is anticipated that some projects supported by these grants may lead to full-scale clinical studies including diagnostic strategies, epidemiological studies, or randomized clinical trials of diagnosis, prevention, or treatment of kidney or urologic diseases.
Amount: $500,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-077.html
Key Words: Kidney Disease, Urinary Disease

Planning Grants for Translating Chronic Kidney Disease (CKD) Research into Improved Clinical Outcomes (R34)
RFA-DK-10-011
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) encourages NIH Clinical Trial Planning Grant (R34) applications from institutions/organizations to test the effectiveness of interventions for the prevention, treatment and management of chronic kidney disease (CKD) that have a high likelihood of being widely adopted, and sustained in a wide range of health care settings and in individuals and communities at highest risk. The approaches to be tested must be based on interventions previously demonstrated to be efficacious in randomized clinical trials, and widely accepted throughout the chronic kidney disease CKD community. The proposed research must target chronic kidney disease and/or its complications.
Amount: $450,000
LOI: January 31, 2011
Deadline: February 28, 2011
Key Words:

NIDCR Clinical Trial Implementation Cooperative Agreement (U01)
PAR-08-196
National Institute of Dental and Craniofacial Research (NIDCR)
This FOA issued by the National Institute of Dental and Craniofacial Research (NIDCR), National Institutes of Health, will support investigator-initiated Phase I, II, III, or IV clinical trial cooperative agreement applications only from NIDCR Clinical Trial Planning (R34)
grant awardees (see PAR-08-195 for information about NIDCR Clinical Trial Planning Grants) unless an exception is granted. Each clinical trial implementation application will use the PHS 398 grant application with special instructions and will include a final draft of the clinical trial protocol, the Clinical Investigators Brochure or equivalent, and a Manual of Procedures resulting from the R34 grant. These documents must meet all National Institutes of Health (NIH), Food and Drug Administration (FDA), and Office of Human Research Protections (OHRP) requirements. All awards will be made as cooperative agreements.

**NIDCR Clinical Trial Planning Grant (R34)**

PAR-08-195
National Institute of Dental and Craniofacial Research (NIDCR)

This FOA, issued by the National Institute of Dental and Craniofacial Research (NIDCR), National Institutes of Health, will support clinical trial planning (R34) grants for the comprehensive planning, design and documentation of investigator-initiated Phase I, II, III, or IV interventional clinical trials. Interventional behavioral studies, sometimes referred to as Stage I, II, III or IV studies, are included. The R34 planning grant is designed to: (1) permit early peer review of the rationale for the proposed clinical trial; (2) permit early assessment of the design and implementation plans of the proposed trial; and (3) provide support for the development of a comprehensive clinical trial protocol and associated documents including a Manual of Procedures. The complete protocol and associated documents are required components of any subsequent clinical trial implementation (U01) application. The product of the R34 will be either an application for a clinical trial implementation cooperative agreement (U01) or a report summarizing the work completed and the reasons for not proceeding to a clinical trial implementation application. Pre-approval from the NIDCR is required for the submission of the R34 application.

**Innovation in Molecular Imaging Probes (R01)**

PAR-09-016
National Institute of Biomedical Imaging and Engineering
National Institute on Aging
National Institute of Arthritis and Musculoskeletal and Skin Diseases
Eunice Kennedy Shriver National Institute of Child Health and Human Development
National Institute

This FOA is issued by the National Institute of Biomedical Imaging and Bioengineering, National Institutes of Health. This FOA is a follow up of a previous Roadmap RFA (RM-04-021 "Innovation in Molecular Imaging Probes"). The purpose of this initiative is to encourage the development of novel molecular imaging approaches that can detect and image specific molecular activities in vivo, and have the potential for clinical applications. Novel molecular imaging approaches developed through this initiative can focus on one (or both) of the following long-term translational goals: (1) imaging the characteristic markers, and function, of normal cells in control human subjects and patients, and (2) imaging the characteristic markers, and biochemical or physiological abnormalities, of disease cells in patients. Potential abnormalities that could provide early markers for disease include (but are not restricted to): inflammation, fibrosis, immune cell activation, altered signal transduction pathways, altered gene expression pathways, and altered post-translational modification of proteins. This initiative solicits applications that explore innovative "high-impact" approaches, rather than incremental technology development that is already supported by current NIH programs.

**Ancillary Studies to Large Ongoing Clinical Projects (R01) and (R21)**

RFA-AR-11-012 and RFA-AR-11-013
National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)

This Funding Opportunity Announcement (FOA) solicits applications that propose to conduct time-sensitive ancillary studies related to the NIAMS mission in conjunction with privately or publicly funded, large, ongoing clinical projects. The ongoing "parent" project can be a large clinical trial or observational study, or a disease registry that can provide a sufficient cohort of well-characterized patients, infrastructure, data, and biological samples. Applications submitted in response to this FOA will undergo an accelerated review and
award process. Each application must include a timeline to demonstrate that the parent project has adequate time left to accommodate the proposed ancillary study. In addition, it must justify the time-sensitive nature of the ancillary study and the need for an expedited review and award process. It must also document permission from the parent project to use the patient cohorts, data, and biological materials. The objective of this FOA is to provide a flexible mechanism to leverage established resources and maximize the return on existing investments in parent projects. Successful ancillary studies will enhance the scientific content and value of the parent projects, improve the research community's understanding of a disease or organ system in the NIAMS portfolio, and thus identify novel targets for diagnosis, treatment, and prevention of disease.

**Amount:** $1,000,000  
**LOI:** November 3, 2010; March 1, 2011  
**Deadline:** December 3, 2010; April 1, 2011  

**Key Words:**

### NIAID Clinical Trial Planning Grant (R34), (U01) and (R01)
PAR-10-185 and PAR-10-186 and PAR-10-184  
National Institute of Allergy and Infectious Diseases (NIAID)  
This Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID) invites applications that propose the complete planning, design, and preparation of documentation necessary for implementation of investigator-initiated clinical trials. The trials must be hypothesis-driven, milestone-defined, related to the research mission of the NIAID and considered high priority by the Institute. Investigators are encouraged to visit the NIAID website for additional information about the research mission and high-priority research areas of the NIAID [http://www3.niaid.nih.gov/about/whoWeAre/planningPriorities/](http://www3.niaid.nih.gov/about/whoWeAre/planningPriorities/).  
**Amount:** varies with award mechanism  
**LOI:** N/R  

**Key Words:** Asthma and Allergies, Autoimmune Diseases, Insulin Dependent Diabetes, Systemic Lupus Erythematosus, Rheumatoid Arthritis, Multiple Sclerosis, Graft Rejection, AIDS, Tuberculosis, TB, Malaria, Influenza, Hepatitis, Emerging Infections, Bioterrorism, Transplantation and Immune Tolerance

### Integrated Preclinical/Clinical AIDS Vaccine Development Program (IPCAVD) (U19)
PAR-10-161  
National Institute of Allergy and Infectious Diseases (NIAID)  
The goal of this Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID) is to facilitate the translation of innovative and promising basic science-derived vaccine concepts for prophylactic HIV vaccines to initial clinical trials by providing the critical resources necessary for achieving this goal. The Integrated Preclinical/Clinical AIDS Vaccine Development Program (IPCAVD) is a mechanism that enables investigators to conduct clinical research studies aimed at addressing specific scientific questions and vaccine concepts most appropriately tested in humans. To fulfill this goal, an IPCAVD award is intended to provide assistance to meritorious competitive projects in 3 areas: (1) support for basic hypothesis-driven science to advance development of the vaccine concept by facilitating non-human primate (NHP) proof-of-concept studies and down-selection to the best lead candidate; (2) access to resources for determining whether the vaccine concept is clinically feasible by determining whether a candidate vaccine successfully addresses FDA requirements for performing clinical testing, by determining the feasibility of manufacturing cGMP lots of the vaccine and by determining vaccine safety by conducting the required toxicity and pharmacology safety studies; and (3) support for the initial human clinical study central to addressing the proposed scientific question.  
**Amount:** $12,500,000  
**LOI:** October 7, 2011; October 9, 2012  

**Key Words:** Vaccine Trials, HIV/AIDS

### Ancillary Studies in Clinical Trials (R01)
RFA-HL-10-024  
National Heart, Lung, and Blood Institute (NHLBI)  
The purpose of this Funding Opportunity Announcement (FOA) is to solicit research grant applications to conduct time-sensitive ancillary studies related to heart, lung, and blood diseases and sleep disorders in conjunction with ongoing clinical trials and other large clinical studies supported by NIH or non-NIH entities. The program establishes an accelerated review/award process to support the crucial time frame in which these ancillary studies must be performed. Time-sensitive ancillary studies include those that require active longitudinal data collection and thus need to begin recruiting subjects as close as possible to the start of the parent study. The ancillary
study can address any research questions related to the mission of NHLBI for which the parent study can provide participants, infrastructure, and data. The parent studies most often will be a clinical trial, but also can be an observational study or registry that can provide a sufficient cohort of well-characterized patients. Each ancillary study application must demonstrate the time-sensitive nature of the proposal and must explicitly address why an expedited review is essential to its feasibility.

Amount: $1,000,000
LOI: December 28, 2010
Deadline: January 28, 2011
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-10-024.html
Key Words: Clinical Trials

Heart Failure Clinical Research Network Coordinating Center (U10)
Regional Clinical Centers (RCCs) (U10)
RFA-HL-12-002 and RFA-HL-12-001
National Heart, Lung, and Blood Institute (NHLBI)
The purpose of this solicitation is to request new applications for participation in continuation of the Heart Failure Clinical Research Network as the combined Data Coordinating Center/Clinical Coordinating Center (CC). A separate solicitation (RFA-HL-12-001) seeks applications for the Regional Clinical Centers (RCCs). The original Network was established to provide a mechanism to expedite clinical research that evaluates strategies to diagnose, manage and treat all forms of heart failure (HF). The renewal program will continue to provide support to develop, coordinate, and conduct multiple collaborative randomized clinical trials (RCTs) to improve HF outcomes. The focus is on small to intermediate-sized concurrent RCTs that can be completed within 2-5 years and the program is not designed to fund large, Phase III definitive studies. Proposed studies should provide clinically relevant pathophysiologic information and move the field of HF treatment forward. The Coordinating Center of the Network leads and manages all aspects of these RCTs, including those of a Data Coordinating Center, as well as those of a Clinical Coordinating Center. The two functions (Data Coordination and Clinical Coordination) should be performed at the same institution. A Multiple PI structure to facilitate implementation of all CC functions is highly encouraged. The solicitation is open to new and currently participating centers.

Amount: up to $33,600,000
LOI: November 1, 2010
Deadline: December 1, 2010
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-12-002.html
Key Words: Clinical Trials

Translational Programs in Lung Diseases (P01)
PAR-09-185
National Heart, Lung, and Blood Institute
This FOA issued by the NHLBI, National Institutes of Health, solicits Program Project Grant (P01) applications from institutions/organizations that will perform collaborative, translational research that moves mechanistic research to clinical applications to improve prevention, diagnosis and/or treatment of lung diseases and sleep disorders.

Amount: $8,750,000
Deadline: May 25, 2011; September 25, 2011; May 26, 2012; September 25, 2012
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-185.html
Key Words: Sleep Disorders, Lung Diseases

NIH Clinical Trial Planning Grant Program (R34)
PA-09-186
National Eye Institute (NEI)
National Institute on Aging (NIA)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)
National Institute of Child Health and Human Development
This Funding Opportunity Announcement (FOA) invites applications under the NIH Clinical Trial Planning Grant Program, the purpose of which is to provide support for the development of a Phase III clinical trial. This includes the establishment of the research team, the development of tools for data management and oversight of the research, the definition of recruitment strategies, and the finalization of the protocol and other essential elements of the study included in a manual of operations/procedures. The Clinical Trial Planning Grant is not designed for the collection of preliminary data or the conduct of pilot studies to support the rationale for a clinical trial.

Amount: $100,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-186.html
Key Words: Clinical Trials
Nei Clinical Study Planning Grant Program (R34)
PAR-10-017
National Eye Institute (NEI)
The National Eye Institute (NEI) supports large-scale clinical vision research projects, including randomized clinical trials and
epidemiologic studies. At the time of submission, applications requesting support for these activities are expected to provide detailed
information regarding the study’s rationale, design, analytic techniques, protocols and procedures, facilities and environment,
organizational structure, and collaborative arrangements. This information is best conveyed in a well-documented Manual of
Procedures (MOP), the development of which represents a costly and time-consuming activity. The Clinical Study Planning Grant is
designed to facilitate activities central to the refinement of a study’s protocol and procedures and the development of a detailed MOP.
The NEI Clinical Study Planning Grant may be used to support the development of a MOP, as well as to conduct preliminary studies to
refine study procedures and/or assess recruitment potential. The Clinical Study Planning Grant is applicable to both epidemiologic and
clinical trial research studies.
Amount: $300,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-017.html
Key Words: Vision, Clinical Trials

Nei Clinical Vision Research (U10)
PAR-10-207
National Eye Institute (NEI)
The National Eye Institute (NEI) supports investigator-initiated clinical vision research projects, including clinical trials and large-scale
epidemiologic studies in vision research. The intent of this funding opportunity announcement is to provide a framework for applicants
proposing clinical vision research projects, including clinical trials and epidemiological studies.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-207.html
Key Words:

Nei Translational Research Program on Therapy for Visual Disorders (R24)
PAR-10-281
National Eye Institute (NEI)
The National Eye Institute (NEI) supports multidisciplinary research focusing on the development of novel therapies to treat visual
diseases and disorders. The rapid and efficient translation of innovative laboratory research findings into clinical development frequently
requires a comprehensive and highly integrated approach involving collaborative teams of scientists and clinicians with expertise in
multiple disciplines. Such a collaborative approach is particularly appropriate for research focused on pathways that will likely be
targeted by biological intervention, such as gene therapy, cell-based therapy, pharmacological approaches. The intention of this
program is to make resources available to scientists from several disciplines to form research teams to address scientific and technical
questions that would be beyond the capabilities of any one research group. Each project should have a well-defined end-point,
achievable within a five-year time frame, of developing a specific treatment for a specific disease. The steps toward this end-point
should be clearly delineated in a series of milestones that support the development of a therapeutic approach, which can then be tested
in a clinical trial.
Amount: $7,500,00
LOI: N/R
Key Words:

Preliminary Clinical Studies in Preparation for Large Interventional Trials of Complementary and Alternative
Medicine (CAM) Therapies (R34)
PAR-10-163
National Center for Complementary and Alternative Medicine (NCCAM)
The goal of this FOA, issued by the National Center for Complementary and Alternative Medicine, is to support early phase clinical
research and development on high priority CAM interventions. This mechanism is intended to support the development of methodology
and the preliminary data needed for planning and design of subsequent, larger randomized clinical trials, cluster randomized trials or
This mechanism is not appropriate for support of randomized clinical trials to test or determine efficacy. It is appropriate for development of preliminary studies that will contribute to the design of either efficacy or real-world effectiveness studies.

Amount: $450,000
LOI: N/R
Deadline: Standard dates apply
Key Words: CAM Interventions, Alternative Medicine

Small Grants for Behavioral Research in Cancer Control (R03)
PA-09-003
National Cancer Institute (NCI)
National Institute of Nursing Research (NINR)
This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI) and the National Institute of Nursing Research (NINR), at the National Institutes of Health (NIH), is intended to provide support for either new investigators in cancer-related behavioral research, or investigators who want to refocus their research interests toward behavioral research in cancer control. The program is designed to facilitate the growth of a nationwide cohort of scientists with research experience in behavioral cancer control and design of public health interventions. Preliminary data for the proposed projects are not required. Overarching goals are to: (1) encourage new investigators to enter the field of behavioral research in cancer control and initiate their long-term career development aimed at becoming independent investigators in the field, and (2) support research on transfer of behavioral science knowledge into cancer control practice.

Amount: $100,000
LOI: N/R
Deadline: December 20, 2010; April 20, 2011; August 22, 2011; December 20, 2011
Key Words: Cancer, Cancer Prevention, Cancer Control

National Cancer Institute Program Project (P01) Applications
PAR-09-025
National Cancer Institute (NCI)
With this Funding Opportunity Announcement (FOA), the National Cancer Institute (NCI) invites applications for investigator-initiated program project (P01) grants. Proposed program projects may address any of the broad areas of cancer research, including (but not limited to) cancer biology, cancer treatment, cancer diagnosis, cancer prevention, and cancer control. Basic, translational, clinical, and/or population-based studies in all of these research areas are appropriate. Each Program Project application must consist of at least three component projects. The component projects must share a common central theme, focus, and/or overall objective.

Amount: varies
LOI: December 28, 2010; April 30, 2011; August 28, 2011
Deadline: January 28, 2011; May 27, 2011; September 28, 2011
Key Words: Cancer, Cancer Biology, Clinical Translational Research

Cancer Surveillance Using Health Claims-based Data System (R01), (R21), and (R03)
PA-09-145 and PA-09-144 and PA-09-143
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages grant applications for research entailing the use of health claims data for cancer surveillance. Cancer surveillance may include assessment of patterns of care, quality, and outcomes of care, and health disparities across the continuum of treatment. Projects sought under this FOA may focus on treatment and outcomes at the patient-specific level or include influences from the provider or broader health-system level. This FOA will utilize the NIH Research Project Grant (R01) grant mechanism and runs in parallel with two other FOAs of identical scientific scope, that encourages applications under the R21 (PA-09-144) and the R03 (PA-09-143) mechanisms.

Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Cancer Surveillance, Epidemiology, Cancer, Health Claims

Translational Research in Pediatric and Obstetric Pharmacology (R01) and (R03) and (R21)
PAR-09-154 and PAR-09-155 and PAR-09-156
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
This funding opportunity announcement (FOA) issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development encourages research grant applications to conduct studies to improve existing drug safety and efficacy, and to develop new drugs for pediatric and obstetric populations. The overall goals of this FOA are to support: (1) pharmacological studies addressing the special differences of drug actions and responses among children at various developmental stages, between children and adults, and between pregnant and non-pregnant women; (2) development of new drug targeting children and pregnant women; (3) multidisciplinary collaborations between basic and physician scientists to improve the use of therapeutics in obstetrics and pediatrics.

Amount: varies
LOI: Thirty days prior to application receipt date
Deadline: January 19, 2011, May 19, 2011
Key Words: Pediatric Pharmacology, Obstetric Pharmacology

Pilot and Feasibility Awards
Research Grants
LeRoy Matthews Physician/Scientist Award and the Harry Shwachman Clinical Investigator Award
Cystic Fibrosis Foundation Therapeutics, Inc. (CFFT)
The CF Foundation (CFF) offers competitive awards for research related to cystic fibrosis. Studies may be carried out at the subcellular, cellular, animal, or patient levels. Two of these funding mechanisms include Pilot and Feasibility Awards and Research Grants. Since these applications are reviewed by the CFF’s Research and Research Training Committee, those proposals that include methodologies requiring sampling of materials from human subjects will only be considered under this mechanism if the sampling method constitutes minimal patient risk (e.g., venipuncture) and patient samples or data are anonymous.
For applications where more invasive procedures are proposed or where patient samples or data will not be anonymous, please submit a Letter of Intent for a Clinical Research Award.
Also, the CF Foundation offers physician-scientist training awards, including the LeRoy Matthews Physician/Scientist Award and the Harry Shwachman Clinical Investigator Award.
Amount: varies
LOI: the CF Foundation will consider NIH applications that have received a competitive score but missed the payline under the CFF/NIH-unfunded award mechanism. These applications are accepted on an on-going basis.
Deadline: first Wednesday in September
To learn more: http://www.cff.org/research/ForResearchers/FundingOpportunities/ResearchGrants/
Key Words: Cystic Fibrosis

The ASCO Cancer Foundation Improving Cancer Care Grant
ASCO Cancer Foundation
Susan G Komen for the Cure Foundation
The ASCO Cancer Foundation supports educational programs of the highest quality in cancer care and prevention, facilitates the dissemination of information about cancer and cancer treatment to patients and their families, and, through its grants program, supports, encourages, and recognizes excellence in clinical research in the field of oncology.
The ASCO Cancer Foundation Improving Cancer Care Grant, funded by Susan G. Komen for the Cure as part of the Susan G. Komen for the Cure/ASCO Cancer Foundation Research Initiative, will provide extramural research funding to address important issues regarding access to healthcare, quality of care, and delivery of care, with general applicability to breast cancer. The goal of this program is to encourage multi-disciplinary research that will have a major impact on cancer care. Proposals must be focused on developing solutions to current problems, not just describing disparities in care that currently exist. Research teams that have previously laid the groundwork in these areas by describing existing problems are particularly encouraged to submit proposals to implement and study potential solutions. Project proposals are not required to focus on breast cancer, but the study findings must have general applicability to breast cancer care.
Amount: $1,350,000
LOI: September 1, 2010
Deadline: December 21, 2010
To learn more: http://www.ascocancerfoundation.org/TACF/Grants/Grant+Opportunities/Improving+Cancer+Care+Grant
Key Words:

Prevention and Management of Healthcare Associated Infections (R18)
PA-10-089
Agency for Healthcare Research and Quality (AHRQ)
The purpose of this funding opportunity is to fund extramural health services research, demonstration, dissemination, and evaluation grants that propose to prevent and more effectively manage healthcare associated infections (HAIs).
Research priorities for this FOA are the: 1) development, implementation and demonstration of the prevention and management of HAIs, along with the determination of the costs of such interventions; 2) determination of the efficacy, effectiveness, and costs of
preventative interventions; 3) population-level studies on the patient risk factors, clinical presentation, sources, and disease genotypes of antibiotic-resistant organisms that can result in perceived HAIs. The scientific and practical knowledge to be achieved through these research and demonstration efforts will identify the practical and cost-effective approaches to preventing and managing HAIs.

**Amount:** $1,500,000  
**Deadline:** Standard dates apply  
**Key Words:** Hospital Acquired Infections, HAI

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### Aetna 2010 Grant Program

Aetna Foundation  
For 2010, the foundation will focus its grant making on issues that improve health and the healthcare system in three areas: obesity (addressing the rising rate of obesity among U.S. adults and children); racial and ethnic healthcare equity (promoting equity in health and health care for common chronic conditions and infant mortality); and integrated health care (advancing high-quality health care by improving care coordination and communications among healthcare professionals, creating informed and involved patients, and promoting cost-effective, affordable care). Grant applications that address more than one of these areas will receive priority consideration.

Within the three program areas, the foundation will award the following types of grants: research grants to generate new knowledge, making use of either quantitative or qualitative techniques; project grants to test, apply, or disseminate new practices designed to improve health and health care; and policy grants to analyze and promote policies to ensure that programs and practices to improve health and health care can be replicated and disseminated broadly. In addition, the foundation will consider applications for sponsorship of fundraising events such as galas and walks, outreach activities (e.g., health fairs), and other community-based health and wellness initiatives aligned with the foundation's funding priorities.

**Amount:** up to $250,000  
**LOI:** Required for grant requests over $50,000  
**Deadline:** Quarterly  
**Key Words:** Obesity, Racial and Ethnic Health Care Equity, Integrated Health Care

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### Pediatrics

**Higher Education Challenge (HEC) Grants Program**

*New*

National Institute of Food and Agriculture (NIFA)  
United States Department of Agriculture (USDA)

NIFA requests applications for the Higher Education Challenge Grants Program (HEC) for fiscal year (FY) 2011 to stimulate and enable colleges and universities to provide the quality of education necessary to produce baccalaureate or higher degree level graduates capable of strengthening the Nation’s food and agricultural scientific and professional workforce. NIFA anticipates that the amount available for support of this program in FY 2011 will be approximately $5.2 million.

Building upon the four “New Biology for the 21st Century” challenges, above, the USDA-NIFA institute has refocused its mission to direct agricultural sciences research, education, and extension programs on addressing the following five Priority Areas:

1. Global Food Security and Hunger  
2. Climate Change  
3. Sustainable Energy  
4. Childhood Obesity  
5. Food Safety  

Therefore, applications submitted to this grants program must state how the funded project will address the two HECA Grant Program Goals:

1. To increase the number and diversity of students who will pursue and complete a postsecondary degree in the food and agricultural sciences, and for FY 2011, encourage study in areas that contribute to any of the five NIFA Priority Areas listed directly above in Part I, A; and  
2. To enhance the quality of secondary and postsecondary instruction in order to help meet current and future national food and agricultural sciences workplace needs.

**Amount:** varies  
**LOI:** N/R  
**Deadline:** February 4, 2011  
**To learn more:** [http://www.nifa.usda.gov/funding/rafas/pdfs/11_hec.pdf](http://www.nifa.usda.gov/funding/rafas/pdfs/11_hec.pdf)  
**Key Words:**

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Understanding and Treating Co-Morbid Conditions in Adolescents with Intellectual and Developmental Disabilities (R01), (R03) and (R21)

New
PA-11-039, PA-11-040 and PA-11-041
Eunice Kennedy Shriver National Institute of Child Health and Human Development
This FOA issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) encourages research project grant (R01, R03, R21) applications from institutions/organizations that propose to focus investigator-initiated research upon the factors that impact functioning and quality of life in individuals with intellectual and developmental disabilities (IDD) during adolescence.

Amount: $2,500,000
LOI: N/R
Deadline: Standard dates apply

Key Words:

AHA/CCF Pediatric Cardiomyopathy Research Award

New
American Heart Association
The Children's Cardiomyopathy Foundation (CCF) has partnered with the AHA to establish a research award for investigators conducting research related to pediatric cardiomyopathy. The award supports basic, clinical, population or translational research relevant to the diagnosis, causes or treatment of cardiomyopathy (dilated, hypertrophic, restrictive, arrhythmogenic right ventricular, left ventricular non-compaction) in children under 18 years old.

Amount:
LOI: Limited to Beginning Grant-in-Aid and Grant-in-Aid programs
Deadline: January 2011, see program announcement
To learn more: http://www.americanheart.org/presenter.jhtml?identifier=3041239

Key Words:

Genetic Susceptibility and Variability of Human Structural Birth Defects (R01)

PA-08-011
NICHD, NIDCR, NIEHS
This Funding Opportunity Announcement (FOA) encourages innovative investigator-initiated applications designed to study fundamental developmental processes using animal models in conjunction with translational/clinical approaches with the goal of advancing our understanding of the etiology of structural birth defects. In 2000, the Developmental Biology, Genetics and Teratology Branch at NICHD began its Birth Defects Initiative with the funding of a number of research grants and program projects focused on the use of molecular genetic approaches for the study of genetic susceptibility, epidemiology, and developmental biology of human congenital structural malformations. These grants established the basis for a working group of investigators, who meet annually to present research updates, share ideas and technical advances, establish new collaborations, and provide input and advice to NICHD staff. Applicants funded through this FOA will join the NICHD’s Birth Defects Special Interest Group and participate in annual meetings designed to provide a forum to discuss research progress, exchange ideas, share resources, and foster collaborations relevant to the goals of the NICHD’s Birth Defects Initiative.

Amount: unspecified
LOI: N/R
Deadline: Multiple dates, see announcement
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-011.html

Key Words:

Chronic, Non-Communicable Diseases and Disorders Across the Lifespan: Fogarty International Research Training Award (NCD-LIFESPAN) (D43)

PAR-10-257
National Institutes of Health (NIH)
multiple institutes
This funding opportunity announcement (FOA) issued by the Fogarty International Center (FIC), together with the Office of Dietary Supplements (OD/ODS), the National Institute of Neurological Disorders and Stroke (NINDS), the National Institute on Drug Abuse (NIDA), the National Institute of Mental Health (NIMH), the National Institute on Aging (NIA), the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) and the National Institute of Environmental Health Sciences (NIEHS), encourages applications for the Chronic, Non-Communicable Diseases and Disorders Across the Lifespan: Fogarty International Research Training Award (NCD-LIFESPAN) D43 program for collaborative research training between institutions in the U.S. and low-
and middle-income countries (LMIC), defined by the World Bank classification system. The proposed institutional research training program is expected to sustainably strengthen the research capacity of the LMIC institutions, and to train in-country experts to conduct research on chronic, non-communicable diseases and disorders across the lifespan, with the ultimate goal of implementing evidence-based interventions relevant to their countries.

**Amount:** $1,250,000  
**LOI:** August 21, 2011, August 21, 2012  
**Deadline:** September 21, 2011, September 21, 2012  
**To learn more:** [http://grants.nih.gov/grants/guide/pa-files/PAR-10-257.html](http://grants.nih.gov/grants/guide/pa-files/PAR-10-257.html)

**Key Words:**
- NIH Small Research Grant Program (Parent R03)
- National Institutes of Health (NIH)
- multiple institutes

**NIH Small Research Grant Program (Parent R03)**
**PA-10-064**
National Institutes of Health (NIH)  
multiple institutes
The National Institutes of Health (NIH) Investigator-Initiated Small Grant (R03) funding opportunity supports small research projects that can be carried out in a short period of time with limited resources. Investigator-initiated research, also known as unsolicited research, is research funded as a result of an investigator submitting a research grant application to NIH in an investigator’s area of interest and competency. All investigator-initiated small grant applications described in this announcement will be assigned to NIH Institutes and Centers (ICs) according to standard Public Health Service (PHS) referral guidelines and specific program interests. Investigators are strongly encouraged to consult the list of participating ICs and special research interests. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. The R03 is intended to support small research projects that can be carried out in a short period of time with limited resources.

**Amount:** $100,000  
**LOI:** N/R  
**Deadline:** Standard dates apply  

**Key Words:**
- Genome Research, Drug Abuse, Aging, Child Health and Development, Nursing

**Research on Autism and Autism Spectrum Disorders (R01), (R03), and (R21)**
**PA-10-158, PA-10-159, and PA-10-160**
National Institutes of Health (NIH)  
multiple institutes
This funding opportunity announcement (FOA) encourages research grant applications to support research designed to elucidate the etiology, epidemiology, diagnosis, treatment, and optimal means of service delivery in relation to autism spectrum disorders (ASD). Basic, clinical, and applied studies are encouraged. This FOA is intended to support the broad research goals of the Strategic Plan for ASD Research (http://iacc.hhs.gov/reports/2009/iacc-strategic-plan-for-autism-spectrum-disorder-research-jan26.shtml).

**Amount:** varies  
**LOI:** N/R  
**Deadline:** Standard dates apply  

**Key Words:**
- Autism, Autism Spectrum Disorders, ASD

**Alcohol, Decision-Making, and Adolescent Brain Development (R01) and (R21)**
**PA-09-097**
**PA-09-096**
National Institute on Alcohol Abuse and Alcoholism (NIAAA)  
This FOA issued by the National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, encourages Research Project grants (R01) applications from institutions/organizations that propose to study decision-making processes in adolescents as they relate to drinking behavior, and the role of neural circuitry development in adolescent decision-making and alcohol abuse and dependence.

**Amount:** unspecified  
**LOI:** N/R  
**Deadline:** Standard dates apply  

**Key Words:**
- Alcoholism, Adolescent Behavior

**Basic and Clinical Studies of Congenital Urinary Tract Obstruction (R01)**
Congenital obstructive uropathy is one of the major causes of chronic kidney disease and end stage renal disease (ESRD) in infants and children. The pathogenesis of this disorder, however, remains poorly understood. Many controversies and clinical uncertainties exist in the detection, prognosis, and effective treatment strategies for this condition. The impact of early fetal detection and neonatal intervention, the long-term effects of watchful waiting and the various surgical interventions have not been well studied and documented. There is also no consensus on the indications for, or ideal timing of surgical intervention. The purpose of this funding opportunity is to address the numerous scientific and clinical uncertainties related to the development, treatment and prognosis of congenital obstructive uropathy, by encouraging and facilitating research in diverse areas. These areas include: the development of objective prognostic markers; the genetic determinants of this congenital disorder; the development of reliable animal models of the disorder; and, evaluation of the long-term effectiveness of various treatment strategies.

Amount: $2,500,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-226.html

Key Words: Congenital Obstructive Uropathy, Kidney Disease, End Stage Renal disease

Home and Family Based Approaches for the Prevention or Management of Overweight or Obesity in Early Childhood (R21) and (R01)
PA-10-128 and PA-10-127
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Heart, Lung and Blood Institute (NHLBI)
Office of Behavioral and Social Sciences Research (OBSSR)
Office of Disease Prevention (ODP)
This Funding Opportunity Announcement (FOA) issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), the National Heart, Lung and Blood Institute (NHLBI), the Office of Behavioral and Social Sciences Research (OBSSR) and the Office of Disease Prevention (ODP), National Institutes of Health, invites exploratory pilot/feasibility study and small clinical trial (R21) applications from institutions/organizations that propose to test novel home or family based interventions for the prevention or management of overweight in infants and young children (to age six years) and emphasize the role of home environment and the influence of family/extended family members and parents (including guardians/substantial care-providers) within the child’s home environment. The direct goal of this initiative is to fund research that will advance knowledge for innovative approaches to the prevention or management of overweight in children less than 6 years of age, with potential for future research clinical trial applications either in the home or linked to a community setting. Research should consider the role of families in the initiation, support, and reinforcement of fundamental food and beverage consumption, physical activity practices, and sedentary behaviors. In addition it is of interest to elucidate various underlying behavioral determinants that are crucial to initiate or sustain changes in behaviors that impact energy balance. Research designs may include linkages with other settings (e.g., daycare, pre-school, or other community venues) or other care providers (e.g., health care providers or teachers) but must include infants or children less than age six years as the primary study participant along with parents, and/or other family members residing with the child. The overarching goal is to identify interventions that influence parent and child behaviors that contribute to inappropriate weight gain, and thereby improve subsequent health status in childhood, adolescence, and adulthood for which overweight is a known risk factor.

Amount: varies
LOI: N/R
Deadline: Standard dates apply

Key Words: Obesity

Mayday Fund of New York
Mayday Fund of New York
The Mayday Fund is dedicated to alleviating the incidence, degree, and consequence of human physical pain.

Amount: $2,000-$500,000
LOI: N/R
Deadline: Continuous
To learn more: http://www.maydayfund.org/

Key Words: Pain, Pain Alleviation

Innovative Therapies and Tools for Screenable Disorders in Newborns (R01), (R03) and ((R21)
PAR-10-230, PAR-10-231 and PAR-10-232
This Funding Opportunity Announcement (FOA) issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), the National Institute of Diabetes and Digestive and Kidney Disease (NIDDK), the National Institute of Neurological Disorders and Stroke (NINDS) and the National Institute on Deafness and Other Communication Disorders (NIDCD) encourages Research Project Grant (R01) applications from institutions/organizations that propose research relevant to the basic understanding and development of therapeutic interventions for currently screened conditions and high priority genetic conditions for which screening could be possible in the near future. In this FOA, a high priority condition is one for which the development of an efficacious therapy would make the condition amenable to newborn screening.

Amount: varies
LOI: 30 days before the receipt date
Deadline: Standard Dates apply

Key Words: Community-Based Partnerships for Childhood Obesity Prevention and Control: Research to Inform Policy (R03) and (R21)

Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Predoctoral Training Program in Systems Biology of Developmental Biology & Birth Defects (T32)

Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Predoctoral Training Program in Systems Biology of Developmental Biology & Birth Defects (T32)

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Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Predoctoral Training Program in Systems Biology of Developmental Biology & Birth Defects (T32)
This funding opportunity announcement (FOA) issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), National Institutes of Health (NIH) encourages innovative, multidisciplinary, interactive, and synergistic program project grant applications from institutions/organizations that propose to conduct research on reproductive, developmental, behavioral, social, and rehabilitative processes that determine the health or functioning of newborns, infants, children, adults, families, and populations. The purpose of the P01 mechanism is to encourage investigation of complex problems relevant to NICHD's mission and to facilitate economy of effort, space, and equipment. Under appropriate circumstances, the collaborative research effort of a program project can accelerate the acquisition of knowledge more effectively than a simple aggregate of research projects without thematic integration.

**Developmental Mechanisms of Human Structural Birth Defects (P01)**

RFA-HD-10-006  
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)  
This FOA issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), National Institutes of Health (NIH) solicits innovative, multidisciplinary, interactive, and synergistic program project (P01) grant applications from institutes/organizations that propose to integrate basic, translational, and clinical approaches to understanding the developmental biology and genetic basis of congenital structural human malformations. To contain costs, each P01 will consist of only three component projects and associated cores. At least one project must use basic research in an animal model system and at least one project must be clinical or translational in nature. The component projects must share a common central theme, focus, or objective on a specific developmental structural malformation or class of anomalies that is genotypically, mechanistically, biologically, or phenotypically analogous or homologous in both animal models and humans.

**Amount:** $4,500,000  
**LOI:** October 30, 2010  
**Deadline:** November 30, 2010  
**Key Words:**

**Molecular Mechanisms of Adverse Metabolic Drug Effects in Children and Adolescents (R01)**

RFA-HD-10-010  
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)  
The Eunice Kennedy Shriver National Institute of Child Health and Human Development invite multidisciplinary investigator-initiated grant applications to identify and elucidate molecular mechanisms of adverse metabolic effects of drugs used in children and adolescents. Multidisciplinary collaborations between basic and physician scientists are encouraged.

**Amount:** $1,250,000  
**LOI:** November 1, 2010  
**Deadline:** November 30, 2010  
**Key Words:**

**Translational Research in Pediatric and Obstetric Pharmacology (R01) and (R03) and (R21)**

PAR-09-154 and PAR-09-155 and PAR-09-156  
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)  
This funding opportunity announcement (FOA) issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development encourages research grant applications to conduct studies to improve existing drug safety and efficacy, and to develop new drugs for pediatric and obstetric populations. The overall goals of this FOA are to support: (1) pharmacological studies addressing the special differences of drug actions and responses among children at various developmental stages, between children and adults, and between pregnant and non-pregnant women; (2) development of new drug targeting children and pregnant women; (3) multidisciplinary collaborations between basic and physician scientists to improve the use of therapeutics in obstetrics and pediatrics.

**Amount:** varies  
**LOI:** Thirty days prior to application receipt date  
**Deadline:** January 19, 2011, May 19, 2011  
**Key Words:** Pediatric Pharmacology, Obstetric Pharmacology
Minor Use Minor Species Development of Drugs; Research Project Grant (R01)
RFA-FD-10-001
Office of Minor Use and Minor Species (MUMS) Animal Drug Development
This FOA is issued by the Food and Drug Administration (FDA), Center for Veterinary Medicine (CVM), and solicits Research Project (R01) grant applications from institutions/organizations that propose to develop, or support the development of, new animal drugs for intended minor use in major species or intended use in minor species. Only new animal drug products that have been designated in accordance with the provisions of section 573 of the Federal Food, Drug, and Cosmetic Act (the act) (21 U.S.C. 360ccc-2) and 21 CFR Part 516 are eligible for grants. FDA is authorized to provide grants for designated new animal drugs to assist in defraying the costs of qualified safety and effectiveness testing. This FOA relates to grants to assist in defraying the costs of qualified safety and effectiveness testing when a grant will either result in, or substantially contribute to, approval or conditional approval of a designated MUMS drug. Applicants must include an explanation of how the proposed study will help gain product approval or conditional approval in the application’s “Background and Significance” section. All funded studies are subject to the requirements of the act (21 U.S.C. 331 et seq.), regulations issued under it, and applicable Department of Health and Human Services (HHS) statutes and regulations.

Amount: $300,000
LOI: N/R
Deadline: February 4, 2011, August 5, 2011
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-FD-10-001.html

Key Words: Animal Drugs

Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellows in PharmD/PhD Programs (F31)
PA-09-029
National Institutes of Health (NIH)
The National Institute of General Medical Sciences (NIGMS) will provide individual predoctoral research training fellowship awards to promising pharmacy students who are enrolled in a PharmD/PhD degree program whose dissertation projects are in areas relevant to the research mission of NIGMS. Applicants must have a baccalaureate degree and must be enrolled in a formally combined PharmD./PhD program in the biomedical, behavioral, or clinical sciences. Applicants must be at the dissertation research stage of their doctoral training. Applicants must also show evidence of both high academic performance in the sciences and substantial interest in areas of high priority to NIGMS.

Amount: annual stipend ($20,772)
LOI: N/R
Deadline: Standard dates for Individual Kirschstein-NRSA awards apply.
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-029.html

Key Words: Fellowship, Pre-Doctoral, Thesis, PharmD/PhD

Behavioral and Integrative Treatment Development Program (R01) and (R03) and (R34)
PA-10-012 and PA-10-011 and PA-10-013
National Institute on Drug Abuse (NIDA)
National Institute on Alcoholism and Alcohol Abuse (NIAAA)
National Institute of Nursing Research (NINR)
The purpose of this FOA for R01 applications is to encourage Stage II or Stage III research to conduct clinical trials, examine mechanisms of behavior change, determine dose-response, optimize combinations, and/or ascertain best sequencing of behavioral, combined, sequential, or integrated behavioral and pharmacological (1) drug abuse treatment interventions, including interventions for patients with comorbidities, in diverse settings; (2) interventions to prevent the acquisition or transmission of HIV infection among individuals in drug abuse treatment; (3) interventions to promote adherence to drug abuse treatment, HIV and addiction medications; and (4) interventions to treat chronic pain.

Amount: varies
LOI: N/R
Deadline: Standard dates apply

Key Words: Clinical Trials, Drug Abuse Treatment, HIV and Addictions

Medications Development for the Treatment of Pregnant/Postpartum Women with Substance Related Disorders and/or In Utero Substance Exposed Neonates (R01) and (R21)
The purpose of this FOA is to foster the development of novel pharmacological strategies for the treatment of pregnant/postpartum women with Substance Related Disorders (SRDs) and/or in utero substance exposed neonates. To that end, this FOA issued by NIDA, National Institutes of Health, will encourage applications to implement preclinical and clinical research directed towards: 1) the identification, evaluation, and development of safe and effective novel pharmacotherapies (e.g., new chemical entities or immunotherapies) for the treatment of pregnant/postpartum women with SRDs and/or in utero substance exposed neonates, and/or 2) the evaluation of the safety and efficacy of FDA approved medications (e.g., medications approved for a different indication) for the treatment of pregnant/postpartum women with SRDs and/or in utero substance exposed neonates.

Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Fetal Maternal Health, Substance Abuse

Medications Development for Polydrug Addiction Treatment
[(R01) PAS-08-186] and [(R21) PAS-08-187]

PAS-08-186 and PAS-08-187
National Institute on Drug Abuse

The National Institute on Drug Abuse (NIDA) is seeking medication discovery and development research grant applications focused on the treatment of patients who are simultaneously addicted to multiple substances, including alcohol, tobacco, illicit drugs and/or prescription drugs. Novel proposals for clinical or preclinical testing of potential medications, as well as relevant animal model development and medicinal chemistry efforts are encouraged.

Amount: $2,500,000
LOI: N/R
Deadline: Standard dates apply
Key Words: Drug Abuse, Drug Development

Expanding and Personalizing Treatment Options for Alcohol Use Disorders Including Pharmacogenomics (R01)
PAS-10-215
National Institute on Alcohol Abuse and Alcoholism (NIAAA)

Under this Funding Opportunity Announcement (FOA), the National Institute on Alcohol Abuse and Alcoholism (NIAAA) requests research project grants (R01) to study how genetic variation affects responses to medications for the treatment of Alcohol Use Disorders (AUD). Both human and animal studies are encouraged to determine the full range of genetic variation affecting both pharmacodynamic and pharmacokinetic parameters resulting in altered drug efficacy and toxicity. Mechanistic studies using animal models and/or in vitro/ex vivo preparations are also encouraged.

Amount: varies
LOI: 30 days before submission date
Deadline: Standard dates apply
Key Words:

Endocannabinoid Signaling in Alcohol Consumption, Intoxication and Alcohol Use Disorders (R01) and (R21)
PA-10-249 and PA-10-250
National Institute on Alcohol Abuse and Alcoholism (NIAAA)

This FOA issued by the National Institute on Alcohol Abuse and Alcoholism (NIAAA), National Institutes of Health (NIH), encourages Research Project Grants (R01) applications from institutions/organizations that propose to study the roles and underlying mechanisms of endocannabinoid signaling in alcohol preference, consumption, intoxication and alcohol use disorders, and to explore endocannabinoid signaling system as potential targets for alcohol pharmacotherapy. With increasing knowledge of the function of eCBs in the developing and adult brain and recent behavioral and pharmacological evidence linking alcohol and eCB signaling system, there is now great potential to explore the role of eCB signaling system in alcohol-related behaviors and alcohol use disorders. Studies supported with this FOA will help to gain knowledge about the role and underlying mechanisms of eCB signaling in alcohol preference and consumption; the interactions of acute and chronic alcohol exposure with eCBs at synapses; the effects of such interactions on short- and long-term synaptic plasticity; the role of eCB signaling in the development and maturation of the central nervous system; and the eCB signaling system in fetal alcohol spectrum disorders.

Amount: varies
LOI: N/R
Deadline: Standard dates apply
Grants for Alzheimer's Disease Drug Discovery (R21)
PAS-10-151
National Institute on Aging (NIA)
The goal of this FOA is to advance the discovery of new, efficacious therapies for the treatment, delay of progression, or prevention of Alzheimer's disease (AD), mild cognitive impairment (MCI) and age-related cognitive decline. This FOA encourages the early stages of drug discovery necessary to identify promising disease-modifying therapies as well as treatments aimed at ameliorating the cognitive and neuropsychiatric/behavioral symptoms characteristic of Alzheimer's disease. Studies aimed at the discovery and testing of therapies directed at a variety of established as well as novel therapeutic targets are encouraged. The goal is not to duplicate or compete with pharmaceutical companies but to encourage the process of discovering new, innovative, and effective therapeutics for the prevention and treatment of the cognitive impairment and behavioral symptoms associated with Alzheimer's disease.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAS-10-151.html
Key Words: Alzheimer's Disease

Alzheimer's Disease Drug Development Program (U01)
PAR-08-266
National Institute on Aging (NIA)
The objective of this solicitation is to stimulate research in the pre-clinical development and testing of novel therapeutic compounds aimed at slowing, halting, or reversing the progressive decline in cognitive function and modifying the behavioral symptoms in Alzheimer's disease (AD); or delaying the onset of or preventing AD, mild cognitive impairment (MCI), or age-related cognitive decline. This initiative is intended to stimulate activities focused on providing sufficient data to submit an Investigational New Drug (IND) application to the Food and Drug Administration to begin human clinical testing of potential new therapies. For this program neither mechanistic/basic studies nor clinical trials will be supported; only applications to develop a therapy will be accepted.
Amount: $4,000,000
LOI: January 3, 2011, February 1, 2011, September 1, 2011 and October 3, 2011. (Note: The October and February letters of receipt dates are for amended applications only).
Deadline: February 1, 2011, March 1, 2011, October 1, 2011 and November 1, 2011. (Note: The November and March receipt dates are for amended applications only).
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-266.html
Key Words: Alzheimer's Disease, Cognitive Function, Cognitive Impairment

Optimization of Small Molecule Probes for the Nervous System (STTR [R41]) and (SBIR [R43])
PAR-09-259 and PAR-09-260
National Institute of Neurological Disorders and Stroke (NINDS)
National Eye Institute (NEI)
National Institute on Aging (NIA)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute on Drug Abuse (NIDA)
This Funding Opportunity Announcement (FOA) encourages Small Business Technology Transfer (STTR) grant applications from small business concerns (SBCs) that propose to develop new small molecule probes for investigating biological function in the nervous system via the application of advanced medicinal chemistry and the biological testing of compounds. Eligible SBCs will have identified probe candidates via screening of small molecule collections, using in vitro assays of biological activity developed to interrogate these collections, and be able to show that the structural features of these small molecules are related to their biological activity. Applications should nominate small molecule probe candidates from distinct structural series for the further, iterative design and testing of analogues in structure-activity relationship studies, using in vitro assays of biological function adapted to the medium throughput screening requirements of this work. These studies should have the goal of developing a small molecule probe possessing the attributes (eg: affinity, selectivity, activity) required for its use in future pharmacological studies proposed by the SBC. Applicants are strongly encouraged to utilize publicly available cheminformatic capabilities for the acquisition of compounds, and semi-custom synthesis of analogues, which is required of these studies.
Amount: $300,000
LOI: N/R
Deadline: Standard dates apply
Key Words: Small Molecule Probes
NINDS Exploratory/Developmental Projects in Translational Research for Resistant Epilepsy and Epileptogenesis (R21)
PAR-10-143
National Institute of Neurological Disorders and Stroke (NINDS)
This funding opportunity announcement (FOA), from the National Institute of Neurological Disorders and Stroke (NINDS) encourages applications for projects intended to complete preliminary steps in the pipeline for the preclinical development of therapeutics to cure epilepsy, prevent the emergence of epilepsy following brain injury (including status epilepticus, traumatic brain injury, stroke, encephalitis, or other injury) or in other high-risk groups, or to better treat individuals with intractable epilepsy. Such projects, if successful, should lead directly to a subsequent project that will include all remaining activities for submission of an Investigational New Drug (IND) or Investigational Device Exemptions (IDE) application to the Food and Drug Administration (FDA). Only Aims required for therapy development can be supported in this program. This program excludes clinical research, basic research, and studies of disease mechanisms.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-143.html
Key Words: Epilepsy

NINDS Exploratory/Developmental Projects in Translational Research (R21)
PAR-08-232
National Institute of Neurological Disorders and Stroke (NINDS)
This Funding Opportunity Announcement (FOA) requests applications for projects intended to complete preliminary steps in the pipeline for the pre-clinical development of therapeutics for neurological disorders. Such projects, if successful, should lead directly to a subsequent project that will include all remaining activities for submission of an Investigational New Drug (IND) or Investigational Device Exemptions (IDE) application to the Food and Drug Administration (FDA). Only Aims required for therapy development can be supported in this program. This program excludes clinical research, basic research and studies of disease mechanism.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
Key Words: Neurological Disorders

Drug Discovery for Nervous System Disorders (R01) and (R21)
PAR-10-001 and PAR-10-002
National Institute of Mental Health (NIMH)
National Institute on Aging (NIA)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute on Drug Abuse (NIAD)
National Institute of Neurological Disorders and Stroke (NINDS)
This funding opportunity announcement (FOA) encourages research grant applications from applicant organizations directed toward the discovery and preclinical testing of novel compounds for the prevention and treatment of nervous system disorders.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Neurological Disorders, Therapy, Treatment, Diagnostics

Viral and Host Genetic Factors Regulating HIV-Associated CNS Disease (R01) and (R21)
RFA-MH-11-020 and RFA-MH-11-021
National Institute of Mental Health (NIMH)
National Institute of Neurological Disease and Stroke (NINDS)
The National Institute of Mental Health (NIMH) and The National Institute of Neurological Disorders and Stroke (NINDS) solicit research grant applications to support studies focused on viral and host genetic factors involved in HIV-1 Associated Neurocognitive Disorders (HAND) in the setting of highly active anti-retroviral therapy (HAART). Recent clinical studies indicate that over 50% of HIV-infected patients manifest HAND despite receiving HAART. The focus of this initiative is to encourage studies to discover novel genetic paradigms that may account for the interactions between the virus, the host, and the therapeutic drugs in the central nervous system.
(CNS) that result in the pathogenesis, progression, and clinical manifestations of HAND. The use of state-of-the-art genetic approaches (including transcriptomics, phenomics, epigenomics, whole genome association studies, next generation sequencing, exome sequencing, & systems biology) to identify and validate (including in vitro models, animal models, & human samples) viral and host genetic factors which influence the pathophysiology of HAND are encouraged.

Amount: varies
LOI: December 6, 2010
Deadline: January 06, 2011

Key Words:

Pharmacologic Agents and Drugs for Mental Disorders (SBIR [R43/R44])
PA-08-142
National Institute of Mental Health
This funding opportunity announcement (FOA) solicits Small Business Innovation Research (SBIR) grant applications that propose to develop novel pharmacologic agents for brain research related to mental disorders, including research aimed at discovering new drugs for these disorders. In addition, this FOA solicits SBIR grant applications that propose to take existing, promising compounds through the next step of drug discovery and development. Finally, this FOA also encourages SBIR grant applications designed to study the effectiveness of novel interventions.

Amount: up to $350,000 total costs per year and time periods up to two years for Phase I may be requested. Budgets up to $600,000 total costs per year and up to three years may be requested for Phase II.

LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-142.html

Key Words:

Ruth L. Kirschstein National Research Service Awards (NRSA) for Individual Predoctoral Fellows in PharmD/PhD Programs (F31)
PA-10-178
National Institute of General Medical Sciences (NIGMS)
Eunice Kennedy Shriver National Institute of Child Health and Human Development (CHHD)
Office of Dietary Supplements (ODS)
The purpose of this individual predoctoral research training fellowship is to provide support for promising students enrolled in a PharmD/PhD degree program who will be performing dissertation research and training in areas relevant to the missions of NIGMS, NICHD, and the Office of Dietary Supplements. Mechanism of Support. This FOA will utilize the NIH Ruth L. Kirschstein Individual Predoctoral National Research Service Award (NRSA) award mechanism (F31).

Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-178.html

Key Words:

Adverse Metabolic Side Effects of Second Generation Psychotropic Medications Leading to Obesity and Increased Diabetes Risk (R01)
PAR-08-160
National Institute of Diabetes and Digestive and Kidney Diseases
National Institute of Mental Health
This Funding Opportunity Announcement (FOA) invites investigator-initiated research grant applications for studies examining the adverse metabolic effects (i.e., obesity and diabetes) of psychotropic medications in animal models and across the human lifespan (including pediatric, adult and geriatric populations). Applications responsive to this FOA should focus on 1) increasing the understanding of the nature, rates, and pathophysiology of adverse metabolic effects of psychotropic medications, 2) elucidating biomedical and psychosocial risk factors for the development of metabolic adverse effects of psychiatric therapeutics, and 3) develop interventions to prevent and/or mitigate metabolic adverse effects across the lifespan.

Amount: up to $500,000 per year
LOI: A letter of intent is requested 30 days prior to application receipt date
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-160.html

Key Words: Neuropharmacology, Neuropsychopharmacology, Pathophysiology
Development of Multifunctional Drug and Gene Delivery Systems (R01)
PAR-10-048
National Institute of Biomedical Imaging and Bioengineering (NIBIB)
National Heart, Lung, and Blood Institute (NHLBI)
This Funding Opportunity Announcement (FOA), issued by the National Institute of Biomedical Imaging and Bioengineering and the National Heart, Lung, and Blood Institute, National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/organizations that propose the engineering of novel, multifunctional drug and gene delivery systems that can target therapies to particular cells and intracellular compartments and can monitor delivery and determine therapeutic efficacy through the integration of advanced imaging and/or sensing technologies into the delivery system. Applications should propose to develop at least one prototype system by the end of the project period. Applications that are submitted to this FOA should include investigators from both the drug/gene delivery and imaging fields. Applicants are strongly encouraged to use the Multi-PD/PI model to meet the imaging and drug/gene delivery expertise.
Amount: varies
LOI: 30 days before Application Due Dates
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-048.html
Key Words: Gene Delivery, Drug Delivery

NIAID Advanced Technology SBIR (NIAID-AT-SBIR [R43/R44]) and STTR (NIAID-AT-STTR [R41/R42])
PA-10-123 and PA-10-124
National Institute of Allergy and Infectious Diseases (NIAID)
This funding opportunity announcement (FOA) encourages Small Business Innovation Research (SBIR) grant applications from small business concerns (SBCs) for advanced technology projects that require a longer award period and greater award amount than those routinely allowed under the SBIR program. For this FOA, "advanced technology" is defined as a "clearly identified" product or service that requires approval of the Food and Drug Administration (FDA) and is within the mission of NIAID. An example of a "clearly identified product" is a research project focused on a lead compound for an AIDS drug. A research project focused on developing an assay to identify lead compounds does not have a clearly identified product and would not be appropriate for this FOA. Only applications meeting the above "advanced technology" definition should be submitted in response to this FOA. Applications in response to this FOA should not contain human clinical trials. NIAID Policy currently only allows investigator initiated clinical trials to be submitted using the R34 mechanism.
Amount: up to $3,000,000
LOI: N/R
Deadline: Standard dates apply
Key Words: FDA, Products or Services

Validation of Novel Therapeutic Targets for Huntington's Disease (R01)
PAS-10-183
National Institute for Neurological Disorders and Stroke (NINDS)
The National Institute of Neurological Disorders and Stroke (NINDS) invites research project grant (R01) applications aimed at validating novel molecular targets for disease-modifying therapeutic intervention in Huntington's disease. This FOA is for support of new projects, and not the continuation of projects that have already been initiated with NIH funding.
Amount: $1,000,000
LOI: 30 days prior to application due date
Deadline: Standard R01 dates
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAS-10-183.html
Key Words:

Clinical Studies of Safety and Effectiveness of Orphan Products Research Project Grant (R01)
RFA-FD-11-001
Food and Drug Administration (FDA)
Office of Orphan Products Development (OPD)
The goal of FDA's OPD grant program is to support the clinical development of products for use in rare diseases or conditions where no current therapy exists or where the product being developed will be superior to the existing therapy. FDA provides grants for clinical studies on safety and/or effectiveness that will either result in, or substantially contribute to, market approval of these products. Applicants must include in the application's Background and Significance section documentation to support the estimated prevalence of the orphan disease or condition and an explanation of how the proposed study will either help support product approval or provide essential data needed for product development.
Amount: $600,000-$1,600,000
LOI: N/R
Deadline: February 2, 2011; February 1, 2012
Key Words:

FDA Small Scientific Conference Program (R13/U13)
RFA-FD-08-003
FDA
This funding opportunity provides updated guidelines for the Food and Drug Administration support of conferences and scientific meetings.
Amount: varies
LOI: N/R
Deadline: October 15; January 15; April 15; July 15 annually
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-FD-08-003.html
Key Words:

Molecular Mechanisms of Adverse Metabolic Drug Effects in Children and Adolescents (R01)
RFA-HD-10-010
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
The Eunice Kennedy Shriver National Institute of Child Health and Human Development invite multidisciplinary investigator-initiated grant applications to identify and elucidate molecular mechanisms of adverse metabolic effects of drugs used in children and adolescents. Multidisciplinary collaborations between basic and physician scientists are encouraged.
Amount: $1,250,000
LOI: November 1, 2010
Deadline: November 30, 2010
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-10-010.html
Key Words:

Translational Research in Pediatric and Obstetric Pharmacology (R01) and (R03) and (R21)
PAR-09-154 and PAR-09-155 and PAR-09-156
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
This funding opportunity announcement (FOA) issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development encourages research grant applications to conduct studies to improve existing drug safety and efficacy, and to develop new drugs for pediatric and obstetric populations. The overall goals of this FOA are to support: (1) pharmacological studies addressing the special differences of drug actions and responses among children at various developmental stages, between children and adults, and between pregnant and non-pregnant women; (2) development of new drug targeting children and pregnant women; (3) multidisciplinary collaborations between basic and physician scientists to improve the use of therapeutics in obstetrics and pediatrics.
Amount: varies
LOI: Thirty days prior to application receipt date
Deadline: January 19, 2011, May 19, 2011
Key Words: Pediatric Pharmacology, Obstetric Pharmacology

Aerospace Medicine and Human Performance Integration Research
BAA-09-01-RH
Air Force Research Laboratory Human Effectiveness Directorate
The Human Effectiveness Directorate of the Air Force Research Laboratory (AFRL) is soliciting white papers under this announcement for innovative technologies and scientific and programmatic services to support aerospace medicine and human performance integration research. This is a 5-year, open-ended BAA, under which the 711th Human Performance Wing seeks to identify novel medical and human systems integration research. The 711th HPW includes two Defense Health Program (DHP)-funded mission elements: (1) The United States Air Force School of Aerospace Medicine (USAFSAM), and (2) the Human Performance Integration Directorate (711th HPW/HP).
(1) The United States Air Force School of Aerospace Medicine (USAFSAM) is an international center for education, training, consultation, research and technology evaluation in hazard mitigation, public health, contingency operations, performance enhancement, human systems integration, and clinical aerospace medicine disciplines including aeromedical evacuation. (See pages 5-7 of program description.)
Some topics of interest:
rapid pathogen ID and detection
novel use of non-pharmaceutical therapeutics (probiotics, immunomodulatory nutrients?)
workplace hazards, contaminants, particulate matter
wound care/healing
infection control
organ failure
pain control
ID and surveillance of physical, chemical, infections agents
improved specimen collection, storage, shipment and/or processing
medical response capabilities and standards
medical responses to disasters centered around the interface between military and non-military responders
epidemiological studies
improved IT capability for surgical application and database management
doppler bubble and trans-esophageal echocardiograms to ID patent foramen ovale

Amount:  $250,000-$500,0000
LOI:  White Papers should be submitted through the UNMC Office of Research, Paula Turpen, PhD Director or Research Resources
Deadline:  continuous until April 15, 2014
To learn more:  https://www.fbo.gov/index?s=opportunity&mode=form&tab=core&id=57284ba19b9c2168128b1f62bee6b667&_cview=0

Key Words:

Prizes & Awards

SBS Awards
Society for Biomolecular Screening (SBS)
The Society for Biomolecular Sciences supports an award of $5,000 made at least every three years, to recognize outstanding achievements in research, innovation, ground breaking foundation, or seminal contributions that have proven to be broadly applicable to biomolecular screening or pharmaceutical/ agricultural lead discovery. Furthermore, the award seeks to recognize those who have distinguished themselves within the scope of the society’s mission. Independence of thought, originality of approach, clarity of vision, and a consistent record of achievement are important criteria. Quality and depth rather than the number of contributions shall be emphasized.
The Society for Biomolecular Sciences supports annual awards of $1,000 to recognize a member for a significant technical accomplishment, exceeding a benchmark or milestone in screening or the lead discovery process, or an innovative and integrated use of mature technologies. More than one award may be conferred annually.

Amount:  $5,000
LOI:  N/R
Deadline:  Continuous
To learn more:  http://www.sbsonline.org/awards/
Key Words:  Biomolecules, Proteomics

NCI Transition Career Development Award to Promote Diversity (K22)
PAR-08-047
NCI
This Funding Opportunity Announcement (FOA) represents the continuation of an NCI program to make possible the diversification of the cancer research workforce via facilitation of the transition of investigators from minority groups underrepresented in biomedical research, primarily those with clinical doctoral degrees as well as those with doctoral degrees working in the areas of cancer prevention, control, behavioral, or population science research, from the mentored stage of career development in academic cancer research to the independent stage. This goal is achieved by providing protected time through salary and research support for 3 years to: postdoctoral individuals or junior faculty in mentored positions transitioning into their first independent position; and investigators within the first 2 years of their first independent cancer research position, to initiate and develop their independently-supported cancer research programs.

Amount:  3 years of salary (up to $75,000 per annum plus fringe benefits) and research support up to $50,000 per annum.
LOI:  N/R
Deadline:  multiple, see listing
To learn more:  http://grants.nih.gov/grants/guide/pa-files/PAR-08-047.html
Key Words:

Academic Career Award (K07)
PA-08-152
National Cancer Institute
National Center for Complementary and Alternative Medicine
National Institute on Aging  
National Institute on Alcohol Abuse and Alcoholism  
Office of Dietary Supplements  

The purpose of the NIH Academic Career Award is to provide support to increase the pool of individuals with academic and research expertise to become academic researchers and to enhance the educational or research capacity at the grantee sponsoring grantee institution. The Academic Career Award supports Development awards for more junior level candidates and Leadership awards for more senior individuals with acknowledged scientific expertise and leadership skills.

Amount: 3-5 years support  
LOI: N/R  
Deadline: multiple  

To learn more: [http://grants.nih.gov/grants/guide/pa-files/PA-08-152.html](http://grants.nih.gov/grants/guide/pa-files/PA-08-152.html)  

Key Words:

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**Psychobehavioral Diseases/Mental Health**

**American Foundation for Suicide Prevention Research Grant Programs**

*New*  
American Foundation for Suicide Prevention (AFSP)  
AFSP research grants support studies that aim to increase understanding of the causes of suicide and factors related to suicide risk, or to test treatments and other interventions designed to prevent suicide. Investigators from all academic disciplines are eligible to apply, and both basic science and applied research projects will be considered, providing the study has an essential focus on suicide or suicide prevention. In addition to U.S.-based applicants, AFSP grants and fellowships can be awarded to applicants at institutions outside the U.S., as well as to international applicants who are working at U.S. institutions.

Amount: up to $100,000  
LOI: N/R  
Deadline: December 1, 2010  


Key Words:

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**ARL/ARO Broad Agency Announcement-Revised**

W911NF-07-R-0001-02  
U.S. Army Research Laboratory (ARL)  

14.0. Extramural research in the Life Sciences is supported by the Army Research Office. For those proposals related to purely medical topics, the investigator is invited to contact the U.S. Army Medical Research and Materiel Command. For research in the behavioral and social sciences or in training techniques, contact the Army Research Institute for Behavioral and Social Sciences. The ARO Life Sciences Division research program is currently focused on four subarea work packages. The titles, scopes and points of contact for these work packages, each of which address general aspects of basic research in biotechnology, as well as the specific thrusts described, are listed below. A small number of symposia, conferences and workshops are also supported in part or in whole to provide an exchange of ideas related to ongoing programs in Army laboratories. Potential offerors are strongly encouraged to contact the appropriate TPOC for preliminary discussions on their ideas before any submissions. The TPOC may invite the offeror to submit a preproposal.

14.1. Bioengineering. Fundamental studies to define structure-function relationships and biochemical interactions for enzymes, receptors and other macromolecules exhibiting mechanisms and properties uniquely relevant to synthetic and degradative pathways of interest to the military, including establishment of the foundations for manipulation and exploitation of biocatalysis, ribosomal and non-ribosomal biosynthesis to enhance permissiveness toward elaboration of useful biomolecular structures and cellular systems designed with "metabolic engineering" in mind. Also, research to provide insight from nature on novel theoretical principles and mechanisms in sensory and motor function, as well as on materials with extraordinary properties, from biological sources. Includes not only initial molecular events, signal transduction pathways and integrated information processing for the powerful sensing capabilities exhibited in the biological world, but also self-assembly processes, hierarchical structure formation, and functional characterization of biomolecular materials such as those with potential "biomimetic" utility for nanometer scale fabrication or for energy and information transfer, among other possibilities. Technical Point of Contact: Dr. Robert Kokoska, Robert.Kokoska@us.army.mil, (919) 549-4342.

14.2 Molecular Genetics and Genomics. This program emphasizes basic research in molecular genetics and genomics that will enable optimization of soldier cognitive and physical performance, soldier protection, and Army logistics. This includes human performance and protection under both normal conditions, and when affected by a variety of stressors that are likely to be encountered in battlefield situations, such as dehydration, heat, cold, sleep deprivation, fatigue, caloric insufficiency, microbial factors, and psychological stress. Genetic and genomic research areas include identification and characterization of gene function, gene regulation, genetic interactions, gene pathways, gene expression patterns, mitochondrial regulation and biogenesis, and nuclear and mitochondrial DNA replication, mutagenesis, oxidative stress, and DNA repair. Also molecular responses to pathogens, pathogen identification, and pathogen inactivation, as well as host-pathogen interactions, and host components of infection and resistance to infection. This program is also
interested in the biotechnology of microarrays, including both genomic- and proteomic-based platforms, for real time detection of pathogens or physiological states that would reduce or interfere with human performance. This program also supports development of new biomaterials and bioproduction methods, and other advances in biotechnology methods and applications. Technical Point of Contact: Dr. Micheline Strand, e-mail: Micheline.strand@us.army.mil, (919) 549-4343.

14.3. Microbiology and Biodegradation. Biochemical and physiological mechanisms, underlying the biodegradative processes in normal, extreme, and engineered environments and fundamental studies on organisms in these environments, the properties of materials that make them susceptible or resistant to biological attack, basic concepts for anti-fungals, and studies of microbiological mechanisms with potential for contributing to the remediation of sites contaminated with toxic wastes. Included are research investigations in analytical microbiology (including microbial signatures), and in general microbial mechanisms with relevance to Army problems. Addressed here also is research into microbial communities and how to study organisms that cannot be grown in the lab, as well as research into methods to enhance the stabilization of military materiel, which would include methods to prevent microbial growth.

Also included is the development of microbial systems for unique biotechnological applications and bioengineering processes with individual microbial species or consortia of microorganisms, emphasizing the control, stability, and mechanisms of the basic cellular processes involved. Technical Point of Contact: Dr. Micheline Strand, e-mail: Micheline.strand@us.army.mil, (919) 549-4343.

14.4 Neurophysiology and Cognitive Neuroscience. Research in the perception and cognition subfields of neurophysiology and the cognitive neurosciences, covering several or all areas of electrophysiology, psychophysiology, sensory and perceptual physiology, computational neurobiology, psychophysics, neuropsychology, and integrative neurobiology is of interest. Specific examples can include physiological, neuro-psychological and/or cortical/cognitive mechanisms underlying successful completion of complex task behaviors applicable to nonlaboratory environments under non-ideal conditions, to include both amelioration of induced losses as well as enhancement in defined perceptual, cognitive and/or motor abilities. Investigations can span the gamut from multi-unit recordings through evoked potentials and neuro-imaging technologies to humoral and psychological correlates of both central and peripheral nervous system function. Non-medically oriented research designed to elucidate the fundamental physiology underlying cognition and possible non-invasive methods of monitoring cognitive states and processes during normal activity is appropriate. Perceptual and/or psychophysiological implications of mind-machine interfaces ranging from optimizing auditory, visual and/or somatosensory display and control systems based on physiological or psychological states through modeling of individual cognitive dynamics and decision making is appropriate to this research area. Technical Point of Contact: Dr. Elmar T. Schmeisser e-mail elmar.schmeisser@us.army.mil, (919) 549-4318.

Amount: unspecified
LOI: N/R
Deadline: September 30, 2011
To learn more: http://www.arl.army.mil/www/DownloadedInternetPages/CurrentPages/DoingBusinesswithARL/research/07-r-0001-02_amendment2.pdf
Key Words: Human Performance, Microbial Signatures, Perception and Cognition

American Foundation for Suicide Prevention Invites Applications for Research Grants

The American Foundation for Suicide Prevention AFSP research grants support studies that aim to increase understanding of the causes of suicide and factors related to suicide risk, or to test treatments and other interventions designed to prevent suicide. Investigators from all academic disciplines are eligible to apply, and both basic science and applied research projects will be considered, providing the study has an essential focus on suicide or suicide prevention. AFSP grants are awarded for one or two-year periods.

Amount: varies
LOI: N/R
Deadline: submission deadlines of Dec. 15 and June 15; annually
To learn more: http://www.afsp.org/index.cfm?fuseaction=home.viewPage&page_id=0535FDA2-FA7D-AAE8-D7A9A6BCFFE3574B
Key Words:

Methodology, Measurement, and Statistics (MMS)

NSF 08-561

NSF

The MMS Program seeks proposals that are methodologically innovative, grounded in theory, and have potential utility for multiple fields within the social, behavioral, and economic sciences. Successful proposals often integrate across the following areas: The development, application, and extension of formal models and methodology for social and behavioral research, including methods for improving measurement. The proposed research must have implications for one or more of the social and behavioral sciences. The development of formal models that cross traditional disciplinary boundaries, including research on statistical methodology or statistical modeling having direct implications for one or more of the social and behavioral sciences. Research on methodological aspects of new or existing procedures for data collection, including methodology for survey research, and research to evaluate or compare existing data bases and data collection procedures. The collection of unique databases with cross disciplinary implications, especially when paired with developments in measurement or methodology. The organizational infrastructure of social and behavioral research.

Amount: varies
Collaborative R01s for Clinical and Services Studies of Mental Disorders, AIDS and Alcohol Use Disorders (R01)

PAR-09-153
NIH – Multiple Institutes

The National Institute of Mental Health (NIMH) and the National Institute on Alcohol Abuse and Alcoholism (NIAAA) seek to support collaborative intervention trials in the treatment, prevention or rehabilitation of those with mental disorders and alcohol use disorders and comorbid mental disorders. Support is also provided for other collaborative clinical studies, including but not limited to mental health services research, AIDS, genetics, psychopathology, stigma, and cultural and social processes. This Funding Opportunity Announcement (FOA) should be used when two or more sites are needed to complete the study. Accordingly, the collaborating studies share a specific protocol across the sites and are organized as such in order to increase sample size, accelerate recruitment, or increase sample diversity and representation. In studies with a large number of sites, it is expected that one site will be submitted as a coordinating site for data management and/or other centralized administration. For a linked set of collaborative R01s, each site has its own Project Director/Principal Investigator and the program provides a mechanism for cross-site coordination, quality control, database management, statistical analysis, and reporting.

Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: [Link to more information]

Key Words: Alcohol Abuse, Mental Disorders, Comorbid Mental Disorders

Scientific Meetings for Creating Interdisciplinary Research Teams in Basic Behavioral and Social Science Research (R13)

RFA-CA-10-017
National Institutes of Health (NIH)
multiple institutes

This funding opportunity announcement (FOA) solicits Research Conference Grant (R13) applications for scientific meetings aimed at building interdisciplinary research teams in basic behavioral and social science research (b-BSSR). Applicants must propose developmental activities (i.e., meetings/workshops) that will build the capacity of interdisciplinary teams to accelerate, expand, and/or strengthen fundamental knowledge in b-BSSR as relevant to the Nation’s health and well-being. Proposed interdisciplinary teams must include at least one investigator from the basic social and/or behavioral sciences, and must include investigators from at least one additional discipline. Applicants are encouraged to either: (1) accelerate, expand, and/or strengthen the scope of investigation of a specific b-BSSR research domain through the integration of disparate approaches from b-BSSR and allied disciplines; or (2) increase the sophistication of theoretical, methodological, and analytical approaches in b-BSSR. These goals may be accomplished by fostering the development of shared scientific terminology, approaches, and methodologies across disciplines in order to address a common b-BSSR research question. Investigators may submit applications to support multiple meetings over a period of up to two years.

Amount: $100,000
LOI: November 14, 2010
Deadline: December 14, 2010
To learn more: [Link to more information]

Key Words: Basic Research on Self-Regulation (R21)

RFA-AG-11-010
National Institutes of Health (NIH)
multiple institutes

This FOA issued by the NIH Basic Behavioral and Social Sciences Opportunity Network (OppNet) solicits exploratory/developmental (R21) research applications examining basic mechanisms of self-regulation. The intent of this FOA is to advance research on basic processes and mechanisms of self-regulation, capitalizing on recent advances in methods and theory from the psychological (social, personality, developmental), economic, neuroscience, sociocultural, and other behavioral and social science literatures. The current lack of consistency and conceptual integration in how self-regulation is studied across a range of disciplines hinders our understanding of the basic mechanisms underlying many important health and developmental outcomes. Applications submitted to this FOA are expected to address one or more of the following basic behavioral and social science research (b-BSSR) challenges: (1) to precisely identify and operationally reconcile the basic processes and mechanisms involved in self-regulation of cognition, emotion, and behavior, and refine their measurement and theoretical conceptualizations, (2) to assess relations among various self-regulatory functions and their sub-components, and (3) to systematically characterize changes in self-regulatory functions over time, across different social and
environmental contexts, and across the lifespan in both men and women. Proposals are expected to engage investigators working at multiple levels of analysis and across disparate literatures.

**Amount:** $275,000  
**LOI:** December 6, 2010  
**Deadline:** January 06, 2011  
**Key Words:** Research on Autism and Autism Spectrum Disorders (R01), (R03), and (R21)

**Research on Autism and Autism Spectrum Disorders (R01), (R03), and (R21)**  
PA-10-158, PA-10-159, and PA-10-160  
National Institutes of Health (NIH)  
multiple institutes  
This funding opportunity announcement (FOA) encourages research grant applications to support research designed to elucidate the etiology, epidemiology, diagnosis, treatment, and optimal means of service delivery in relation to autism spectrum disorders (ASD). Basic, clinical, and applied studies are encouraged. This FOA is intended to support the broad research goals of the Strategic Plan for ASD Research (http://iacc.hhs.gov/reports/2009/iacc-strategic-plan-for-autism-spectrum-disorder-research-jan26.shtml).  
**Amount:** varies  
**LOI:** N/R  
**Deadline:** Standard dates apply  
**Key Words:** Autism, Autism Spectrum Disorders, ASD

**Chronic, Non-Communicable Diseases and Disorders Across the Lifespan: Fogarty International Research Training Award (NCD-LIFESPAN) (D43)**  
PAR-10-257  
National Institutes of Health (NIH)  
multiple institutes  
This funding opportunity announcement (FOA) issued by the Fogarty International Center (FIC), together with the Office of Dietary Supplements (OD/ODS), the National Institute on Neurological Disorders and Stroke (NINDS), the National Institute on Drug Abuse (NIDA), the National Institute of Mental Health (NIMH), the National Institute on Aging (NIA), the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) and the National Institute of Environmental Health Sciences (NIEHS), encourages applications for the Chronic, Non-Communicable Diseases and Disorders Across the Lifespan: Fogarty International Research Training Award (NCD-LIFESPAN) D43 program for collaborative research training between institutions in the U.S. and low- and middle-income countries (LMIC), defined by the World Bank classification system. The proposed institutional research training program is expected to sustainably strengthen the research capacity of the LMIC institutions, and to train in-country experts to conduct research on chronic, non-communicable diseases and disorders across the lifespan, with the ultimate goal of implementing evidence-based interventions relevant to their countries.  
**Amount:** $1,250,000  
**LOI:** August 21, 2011, August 21, 2012  
**Deadline:** September 21, 2011, September 21, 2012  
**To learn more:** [http://grants.nih.gov/grants/guide/pa-files/PAR-10-257.html](http://grants.nih.gov/grants/guide/pa-files/PAR-10-257.html)  
**Key Words:**

**Advanced Tools and Technologies for Deep Brain Stimulation (STTR [R41/R42] and SBIR [R43/R44])**  
PA-10-175 and PA-10-176  
National Institutes of Health (NIH)  
multiple institutes  
This Funding Opportunity Announcement (FOA) encourages Small Business Technology Transfer (STTR) grant applications from small business concerns (SBCs) for projects to design and develop advanced tools and technologies that will lead to improved clinical treatment for Deep Brain Stimulation (DBS) patients.  
**Amount:** varies  
**LOI:** N/R  
**Deadline:** Standard dates apply  
**Key Words:**

**Behavioral and Integrative Treatment Development Program (R01) and (R03) and (R34)**
The purpose of this FOA for R01 applications is to encourage Stage II or Stage III research to conduct clinical trials, examine mechanisms of behavior change, determine dose-response, optimize combinations, and/or ascertain best sequencing of behavioral, combined, sequential, or integrated behavioral and pharmacological (1) drug abuse treatment interventions, including interventions for patients with comorbidities, in diverse settings; (2) interventions to prevent the acquisition or transmission of HIV infection among individuals in drug abuse treatment; (3) interventions to promote adherence to drug abuse treatment, HIV and addiction medications; and (4) interventions to treat chronic pain.

Amount: varies
LOI: N/R
Deadline: Standard dates apply

Key Words: Clinical Trials, Drug Abuse Treatment, HIV and Addictions

Accelerating the Pace of Drug Abuse Research Using Existing Epidemiology, Prevention, and Treatment Research Data (R01)
PAR-10-018
National Institute on Drug Abuse (NIDA)
National Cancer Institute (NCI)
Office of Behavioral and Social Science Research (OBSSR)
The National Institute on Drug Abuse (NIDA) and the National Cancer Institute (NCI) invite applications to support the innovative analysis of existing social science and behavioral data to study the etiology and epidemiology of drug using behaviors (defined as alcohol, tobacco, and other drug), HIV risk behaviors, related disorders, prevention and treatment of these behaviors, and health service utilization including quality, access, and costs. NIDA and NCI encourage coordinated analyses of substance abuse research data that are in public use or that are privately held by a principal investigator.

Amount: $450,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-018.html

Key Words: Risk Behaviors

Building System Capacity for Implementing Evidence-Based Practices in Substance Abuse Treatment and Prevention (R34)
PA-09-105
National Institute on Drug Abuse (NIDA)
This Funding Opportunity Announcement (FOA) issued by the National Institute on Drug Abuse, National Institutes of Health, provides resources to facilitate research on the adoption, implementation, and sustainability of evidence-based clinical treatment practices, prevention approaches, and business practices in community-based service delivery settings. It is intended to foster collaboration between service providers and entities that directly influence their capacity to deliver such practices, including Single State Agencies, other funders, licensing and regulatory bodies, referral sources, educational entities, and other social services agencies that interact with the treatment and prevention systems. Applications are encouraged that will advance the field of implementation science while simultaneously building the capacity of systems and service providers to conduct process improvement research. Applicants may propose to pilot test proven clinical or business practices across service delivery settings, or to study the downstream effect of changes in State or other system-level policies on program capacity to implement evidence-based practices. This FOA encourages collection of preliminary data needed to inform approaches to the eventual scaling-up of selected practices to broader, sustained implementation.

Amount: $450,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-105.html

Key Words: Addictions, Treatment Program Evaluation

Drug Abuse Dissertation Research: Epidemiology, Prevention, Treatment, Services, and/or Women and Sex/Gender Differences (R36)
PAR-10-020
National Institute on Drug Abuse (NIDA)
The purpose of this Funding Opportunity Announcement (FOA) is to invite applications for support of drug abuse doctoral dissertation research in epidemiology, prevention, treatment, services, and/or women and sex/gender differences.
NIDA Core “Center of Excellence” Grant Program (P30)
PAR-10-220
National Institute on Drug Abuse (NIDA)
NIDA Core Center of Excellence Grants (P30) are intended to bring together investigators currently funded by NIH or other Federal or non-Federal sources, to enhance the effectiveness of existing research and also to extend the focus of research to drug abuse and addiction. It is expected that a Center will transform knowledge in the sciences it is studying. Incremental work should not be the focus of Center activities; rather, new and creative directions are required. A P30 should integrate and promote research in existing funded projects, to achieve new and creative directions. It is expected that individual core activities reflect a relationship to the integrating theme of the Center and the Center is expected to support the education, training, and mentoring of new investigators, and share findings, data and their resources.
Amount: varies
Deadline: September 25, 2011, September 25, 2012 (AIDS application dates differ, see program announcement)
To learn more: https://grants.nih.gov/grants/guide/pa-files/PAR-10-220.html
Key Words:

Treatment of Co-Occurring Alcohol Use Disorders and Depression/Anxiety Disorders (R01) and (R21)
PAS-10-251 and PAS-10-252
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
The National Institute on Alcohol Abuse and Alcoholism (NIAAA), National Institutes of Health (NIH), invites applications to support research on the treatment of individuals with co-occurring alcohol use disorders and depression/anxiety. Anxiety disorders include generalized anxiety disorder, social phobia, and posttraumatic stress disorder. The scope of interest includes innovative pharmacological and behavioral treatments based on biological, psychological, behavioral, and social/cultural models of etiology and treatment of comorbid alcohol use disorders and depression/anxiety. In addition, this FOA accepts Comparative and Effectiveness Research applications which compare two or more different existing treatments in this comorbid population. This FOA is limited to depression and anxiety because of the high prevalence of these psychiatric disorders in individuals with alcohol use disorders.
Amount: varies
LOI: Not more than 30 days before receipt date
Deadline: Standard dates apply
Key Words:

Collaborative R34s for Pilot Studies of Innovative Treatments in Mental Disorders (Collaborative R34)
PA-09-075
National Institute of Mental Health (NIMH)
National Center for Complementary and Alternative Medicine
This Funding Opportunity Announcement (FOA), issued by the National Institute of Mental Health (NIMH) and the National Center for Complementary and Alternative Medicine (NCCAM), seeks to support collaborative preliminary intervention studies to evaluate the feasibility, tolerability, acceptability and safety of novel mechanism drug candidates, promising investigational new drugs (INDs), or novel psychosocial strategies for the treatment of mental disorders and for obtaining the preliminary data needed as a pre-requisite to larger-scale (efficacy or effectiveness) intervention or services studies. This FOA should be used when at least two but no more than three sites are needed to complete the study. The collaborating studies should be organized in order to increase sample size, accelerate recruitment, and/or increase sample diversity and representation. For a linked set of collaborative R34s, each site shall have its own Project Director/Principal Investigator and provide for a mechanism for cross-site coordination, quality control, database management, statistical analysis, and reporting.
Amount: $450,000
LOI: N/R
Deadline: Standard dates apply
To learn more: https://grants.nih.gov/grants/guide/pa-files/PA-09-075.html
Key Words: Mental Disorders, Drug Therapy

Women's Mental Health in Pregnancy and the Postpartum Period (R01)
In this Funding Opportunity Announcement (FOA), the National Institute of Mental Health (NIMH), the National Institute on Drug Abuse (NIDA), the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), and the Agency for Healthcare Research and Quality, encourage research on women's mental health in relation to pregnancy and the postpartum period. As illustrated by a few highly publicized cases, the consequences of severe untreated postpartum depression and psychosis can be devastating for individuals, families, and communities. A recent evidence-based practice report from the Agency for Healthcare Research and Quality noted that depression is also prevalent during pregnancy as well as the postpartum period, therefore research that occurs throughout pregnancy and the postpartum period (the perinatal period) is encouraged.

Amount: varies
LOI: N/R
Deadline: Standard dates apply

**Key Words**: Post-Partum Depression

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**Mental Health Dissertation Research Grant to Increase Diversity (R36)**

PAR-09-132

National Institute of Mental Health (NIMH)

The purpose of this funding opportunity is to increase the diversity of the mental health research workforce. It will enable qualified doctoral candidates to pursue research careers in any area relevant to the research mission of the National Institute of Mental Health (NIMH). These awards are available to US citizens or permanent residents who are predoctoral students advanced to candidacy in accredited research doctoral programs in the United States (including Puerto Rico and other U.S. territories or possessions).

Amount: see program announcement
LOI: 30 days prior to Application Due Date
Deadline: December 22, 2010; April 22, 2011; August 24, 2011; December 22, 2011 (including resubmissions)

Key Words: Doctoral Training Support, Mental Health Professions

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**Research on Psychopathology In Intellectual Disabilities (Mental Retardation) (R01)**

PA-09-150

National Institute of Mental Health (NIMH)

The purpose of this Funding Opportunity Announcement (FOA) issued by the National Institute of Mental Health (NIMH), National Institutes of Health (NIH), is to invite grant applications for research designed to elucidate the epidemiology, etiology, treatment, and prevention of mental disorders, including emotional and behavioral problems, in persons of any age with intellectual disabilities (mental retardation). Although intellectual disabilities and autism often co-occur, separate FOAs are relevant for investigators interested in autism: "Research on Autism and Autism Spectrum Disorders" under the NIH Research Project Grant (R01) (PA-07-085), the NIH Small Research Grant (R03) (PA-06-391), and the NIH Exploratory/Developmental Grant (R21) (PA-06-392) award mechanisms.

Amount: varies
LOI: N/R
Deadline: Standard dates apply

Key Words: Mental Disorders, Autism, Mental Retardation

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**Interventions And Practice Research Infrastructure Program (IP-RISP) (R24)**

PAR-06-441

National Institute of Mental Health (NIMH)

The National Institute of Mental Health (NIMH) seeks research partnerships between community-based, clinical/services settings and research institutions to enhance the national capacity to conduct research that will inform mental health services research science, service delivery, program dissemination and implementation, and mental health policy. The IP-RISP seeks to foster an active, synergistic partnership between mental health researchers and community-based, clinical/services staff, clinicians and patients/clients to: (1) advance our knowledge about developing research infrastructure in community settings and the establishment of collaborative partnerships; (2) identify and incorporate those factors (e.g., organizational, sociocultural, interpersonal) in community settings that may be associated with quality care and optimal outcomes for patients and clients; and (3) plan, test, and implement services research interventions (treatment, rehabilitative, and preventive) in community settings.

Amount: varies up to $500,000
LOI: N/R
Deadline: Standard dates apply
Deep Sequencing and Haplotype Profiling of Mental Disorders (Collaborative R01)
PAR-08-199
National Institute of Mental Health (NIMH)
With the initial stages of the Human Genome Project completed and new insights gained into the complex interplay of genomic function, genomic structure and the environment in mental disorders, attention is shifting towards the translational promise of the completed human sequence and a new era of genomic medicine in mental disorders. A special emphasis of this Funding Opportunity Announcement (FOA) issued by the National Institute of Mental Health (NIMH), National Institutes of Health (NIH), is to support applications that implement large-scale studies and innovative analytical designs that will disaggregate a given mental disorder into components of finite risks. These developments may be evolutionary or may be fundamentally new and may lead to paradigm shifts in the field. Applications submitted in response to this FOA may propose new technologies for cost effective whole genome analysis and in-depth sequencing and analysis of candidate genes and genomic regions in pedigrees or in a sample of unrelated cases with mental disorders. Applications for large-scale haplotype analysis and the development of new analytical methods also are encouraged.

Amount: varies
LOI: N/R
Deadline: Standard application deadlines for the R01 funding mechanism are February 5, June 5, and October 5.

To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-199.html
Key Words: Bioinformatics, DNA Sequencing, Genomics, Mental Disorders

Pilot Intervention and Services Research Grants (R34)
PAR-09-173
National Institute of Mental Health (NIMH)
The purpose of this Funding Opportunity Announcement (FOA) is to encourage research on 1) the development and/or pilot testing of new or adapted interventions, 2) the adaptation and/or pilot testing of interventions with demonstrated efficacy for use in broader scale effectiveness trials, or 3) innovative services research directions that require preliminary testing or development. The R34 award mechanism provides resources for evaluating the feasibility, tolerability, acceptability and safety of novel approaches to improving mental health and modifying health risk behavior, and for obtaining the preliminary data needed as a pre-requisite to a larger-scale (efficacy or effectiveness) intervention or services study. NIMH intervention and services research is aimed at preventing or ameliorating mental disorders, emotional or behavioral problems, the co-occurrence of mental, physical and substance abuse problems, HIV infections, and the functional consequences of these problems across the life span.

Amount: $450,000
LOI: N/R
Deadline: Standard dates apply

To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-173.html
Key Words: Health Risk Behavior, Mental Health Treatment

Collaborative Research for Molecular and Genomic Studies of Behavior in Animal Models (R01)
PA-10-125
National Institute of General Medical Sciences (NIGMS)
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
The purpose of this Funding Opportunity Announcement (FOA), issued by the National Institute of General Medical Sciences (NIGMS) and the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), National Institutes of Health, is to facilitate collaborative research, involving behavioral scientists and investigators with expertise in molecular biology and/or genomics, which addresses questions about the mechanisms of behavior in animal models. Applications from multiple PIs are encouraged.

Amount: varies
LOI: N/R
Deadline: Standard dates apply

To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-125.html
Key Words: Maternal Behavior, Social Development, Cognitive Development, Developmental Disability, Neuroimaging, Gene-Brain-Behavior Associations

Meetings, Conferences, and Networks for Research Partnerships to Improve Functional Outcomes (R13)
PAR-08-207
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
National Institute of Neurological Diseases and Stroke (NINDS)
National Heart Lung and Blood Institute (NHLBI)
National Institute of Mental Health (NIMH)
This funding opportunity announcement (FOA) solicits Conference Grant (R13/U13) applications from applicant organizations for meetings and networks that will facilitate interdisciplinary research partnership among investigators. The goal is to create opportunities for forming strong and effective multi-disciplinary scientific teams to address basic, translational, or clinical research problems in rehabilitation or management of chronic disease, including mental disorders.

**Amount:** $50,000  
**LOI:** N/R  
**Deadline:** Standard dates apply  
**To learn more:** [http://grants.nih.gov/grants/guide/pa-files/PAR-08-207.html](http://grants.nih.gov/grants/guide/pa-files/PAR-08-207.html)  
**Key Words:** Chronic Disease, Rehabilitation, Conferences

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**Research on Teen Dating Violence (R01) and (R21)**  
PA-09-169 and PA-09-170  
Eunice Kennedy Shriver National Institute for Child Health and Human Development (NICHD)  
National Institute on Drug Abuse (NIDA)  
National Institute on Alcohol and Alcohol Abuse (NIAAA)  
Office for Research on Women's Health (ORWH)  

This Funding Opportunity Announcement (FOA) encourages investigator-initiated research grant applications from institutions/organizations that propose to conduct behavioral and/or biomedical research aimed at better understanding the etiologies and precursors for, reducing risk for, and incidence of, teen dating violence (TDV). Research is also sought that examines the linkages and gaps among perceptions of appropriate responses to teen dating violence from service providers, the criminal justice system, teens themselves, victims, perpetrators and bystanders.

**Amount:** $2,500,000  
**LOI:** N/R  
**Deadline:** Standard dates apply  
**Key Words:** Teen Violence

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**AHRQ Small Research Grant Program (R03)**  
PA-10-168  
Agency for Healthcare Research and Quality (AHRQ)  

This Funding Opportunity Announcement (FOA) encourages Small Research Grant (R03) applications, and expresses AHRQ portfolio priority areas of interest for ongoing small research projects. The R03 grant mechanism supports different types of health services research projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and, development of new research technology.

**Amount:** $100,000  
**LOI:** N/R  
**Deadline:** Standard dates apply  
**Key Words:** Comparative Effectiveness Research, Prescription Drugs and Medicare, Arthritis and Non-Traumatic Joint Disorders, Cancer, Cardiovascular Disease, Stroke, Hypertension, Dementia, Alzheimer's Disease, Depression, Developmental Delays, ADHD, Autism, Diabetes, Infectious Diseases, HIV/AIDS, Obesity, Peptic Ulcer, Dyspepsia, Pregnancy, Pulmonary Disease/Asthma, Substance Abuse

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**Public Health Law Research - Rapid-Response Grants**

**New**  
Robert Wood Johnson Foundation (RWJF)  
The Robert Wood Johnson Foundation (RWJF) seeks to build the evidence for and strengthen the use of regulatory legal and policy solutions to improve public health. RWJF is equally interested in identifying and ameliorating laws and legal practices that unintentionally harm health. As public health practitioners, policy-makers and others consider how laws influence the public's health, they need evidence to inform questions such as: How does law influence health and health behavior? Which laws have the greatest impact? Can current laws be made more effective through better enforcement, or do they require amendment? The purpose of RWJF's Public Health Law Research program is to answer such questions by building a field of research and practice in public health law.

**Amount:** $100,000  
**LOI:** Required  
**Deadline:** Open  
**To learn more:** [http://www.rwjf.org/applications/solicited/cfp.jsp?ID=21181&cid=XEM_205591](http://www.rwjf.org/applications/solicited/cfp.jsp?ID=21181&cid=XEM_205591)
Higher Education Challenge (HEC) Grants Program

New
National Institute of Food and Agriculture (NIFA)
United States Department of Agriculture (USDA)
NIFA requests applications for the Higher Education Challenge Grants Program (HEC) for fiscal year (FY) 2011 to stimulate and enable colleges and universities to provide the quality of education necessary to produce baccalaureate or higher degree level graduates capable of strengthening the Nation's food and agricultural scientific and professional workforce. NIFA anticipates that the amount available for support of this program in FY 2011 will be approximately $5.2 million.

Building upon the four “New Biology for the 21st Century” challenges, above, the USDA-NIFA institute has refocused its mission to direct agricultural sciences research, education, and extension programs on addressing the following five Priority Areas:
1. Global Food Security and Hunger
2. Climate Change
3. Sustainable Energy
4. Childhood Obesity
5. Food Safety

Therefore, applications submitted to this grants program must state how the funded project will address the two HECA Grant Program Goals:
1. To increase the number and diversity of students who will pursue and complete a postsecondary degree in the food and agricultural sciences, and for FY 2011, encourage study in areas that contribute to any of the five NIFA Priority Areas listed directly above in Part I, A; and
2. To enhance the quality of secondary and postsecondary instruction in order to help meet current and future national food and agricultural sciences workplace needs.

Amount: varies
LOI: N/R
Deadline: February 4, 2011

Patient Safety and Medical Liability Reform Planning Projects (R21)

New
PAR-11-023
Agency for Healthcare Research and Quality (AHRQ)

This FOA solicits planning grants that would lead to the later implementation of a demonstration project on patient safety and medical liability reform. Specifically, the planning effort must focus on: putting patient safety first and working to reduce preventable injuries; fostering better communication between doctors and their patients; ensuring that patients are compensated in a fair and timely manner for medical injuries, while also reducing the incidence of frivolous lawsuits; and reducing liability premiums. The projects must be designed to optimize promising practices that address both ensuring and improving patient safety, as well as reducing health care costs. The projects must focus on the connections between patient safety and medical liability claims.

Amount: $300,000
LOI: N/R
Deadline: Standard dates apply

NIH COBRE Project Pre-proposals

University of Nebraska-Lincoln

Pre-proposals are being accepted for individual research projects to be included as part of an application to establish a Center of Biomedical Research Excellence in Integrative Nutrition and Metabolic Processes. A team of UNL and UNMC faculty are developing the COBRE proposal, which will be submitted to NIH in early 2011. Information on the center’s thematic focus and pre-proposal application process is available in the RFP.

Amount:
LOI: August 31, 2010
Deadline: December 15, 2010 invited proposals
To learn more: [http://research.unl.edu/docs/UNLCOBRECallforProposals7-13-10.pdf](http://research.unl.edu/docs/UNLCOBRECallforProposals7-13-10.pdf)

Key Words: Acquired Metabolic Diseases, Inflammatory Diseases, Asthma, Heart Disease, Stroke, Diabetes
American Foundation for Suicide Prevention Invites Applications for Research Grants

The American Foundation for Suicide Prevention

AFSP research grants support studies that aim to increase understanding of the causes of suicide and factors related to suicide risk, or to test treatments and other interventions designed to prevent suicide. Investigators from all academic disciplines are eligible to apply, and both basic science and applied research projects will be considered, providing the study has an essential focus on suicide or suicide prevention. AFSP grants are awarded for one or two-year periods.

Amount: varies
LOI: N/R
Deadline: submission deadlines of Dec. 15 and June 15; annually
To learn more: http://www.afsp.org/index.cfm?fuseaction=home.viewPage&page_id=0535FDA2-FA7D-AAE8-D7A9A6BCFFE3574B

Key Words:

Mentored Research Scientist Research Career Development Award (K01)

PAR-09-087
Office of Extramural Research, Education and Priority Populations (OEREP)

The primary purpose of the AHRQ Mentored Research Scientist Research Career Development Awards (K01) program is to prepare qualified individuals for careers that have a significant impact on the quality, safety, efficiency, and effectiveness of health care for all Americans. This program represents the continuation of an AHRQ program that provides support and “protected time” to individuals with a research doctoral degree for an intensive, supervised research career development experience in health services research. The K01 award can be used both by individuals who propose to newly embark in health services research training and those who had a hiatus in their research careers because of illness or family circumstances. The K01 award is also available to promote research workforce diversity by providing enhanced research career development opportunities.

Amount: varies
LOI: N/A
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-087.html

Key Words: Health Services Research

Science, Technology, and Society

NSF 08-553
NSF

STS considers proposals that examine historical, philosophical, and sociological questions that arise in connection with science, engineering, and technology, and their respective interactions with society. [STS has four components: 1. Ethics and Values in Science, Engineering and Technology (EVS), 2. History and Philosophy of Science, Engineering and Technology (HPS), 3. Social Studies of Science, Engineering and Technology (SSS), and 4. Studies of Policy, Science, Engineering and Technology (SPS).]

Amount: The maximum award (indirect costs excluded) is normally $180,000 multiple funding levels available, including summer research programs
LOI: N/R
Deadline: February 1 annually; August 1 annually; February 1, 2011

Key Words:

Methodology, Measurement, and Statistics (MMS)

NSF 08-561
NSF

The MMS Program seeks proposals that are methodologically innovative, grounded in theory, and have potential utility for multiple fields within the social, behavioral, and economic sciences. Successful proposals often integrate across the following areas: The development, application, and extension of formal models and methodology for social and behavioral research, including methods for improving measurement. The proposed research must have implications for one or more of the social and behavioral sciences. The development of formal models that cross traditional disciplinary boundaries, including research on statistical methodology or statistical modeling having direct implications for one or more of the social and behavioral sciences. Research on methodological aspects of new or existing procedures for data collection, including methodology for survey research, and research to evaluate or compare existing data bases and data collection procedures. The collection of unique databases with cross disciplinary implications, especially when paired with developments in measurement or methodology. The organizational infrastructure of social and behavioral research.

Amount: varies
LOI: N/R
Deadline: August 16, annually; January 16, annually
To learn more: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf08561

Key Words: Statistical Surveys, Mental Health Assessment
**NL M Express Research Grant in Biomedical Informatics (R01)**

PAR-08-080  
NIH, NLM (National Library of Medicine)  
The National Library of Medicine supports research grants that advance the sciences of biomedical informatics and bioinformatics. Informatics is concerned with the optimal management of information, and in practice is usually located at the intersection of computer and information sciences with an application domain such as health care, public health, basic biomedical research or clinical translational research.  
Amount: varies  
LOI: N/R  
Deadline: multiple dates, see announcement  
Key Words:  

**Epidemiology of Drug Abuse (R01)**

PA-08-124  
NIH  
This funding opportunity announcement (FOA) encourages Research Project Grant (R01) proposals to expand the application of drug abuse epidemiologic research focused on understanding the nature, extent, consequences, and etiology of drug abuse across individuals, families, age groups, gender, communities, and population groups.  
Amount: unspecified  
LOI: N/R  
Deadline: May 7, 2011  
Key Words:  

**ELSI Regular Research Program (R01)**

PA-08-012  
NIH  
This Funding Opportunity Announcement (FOA) issued by the National Human Genome Research Institute, National Institutes of Health, encourages Research Program Grant (R01) applications from institutions/organizations that propose to study the ethical, legal and social implications (ELSI) of human genome research.  
Amount: unspecified  
LOI: N/R  
Deadline: multiple dates, see announcement  
Key Words:  

**Decision Making in Cancer: Single-Event Decisions (R01) [PA-08-063] and (R21) [PA-08-064]**

PA-08-063 and PA-08-064  
NIH  
The purpose of this Funding Opportunity Announcement (FOA) is to invite applications for research projects that will enhance understanding of human decision-making processes so that individuals can make more informed and satisfying choices regarding their health. The NCI encourages collaborations between researchers studying the processes of basic judgment and decision-making and researchers conducting cancer control investigations that will elucidate single-event decision-making processes, at the level of either the individual patient or health care provider. These decision-making processes are pertinent to cancer prevention, detection, treatment, survivorship, or end-of-life care. For the purpose of this initiative, a single-event decision is defined as a discrete decision made at a specific point in time.  
Amount: varies  
LOI: N/R  
Deadline: continuous; see listing  
Key Words:  

**ELSI Small Research Program (R03)**

PA-08-013  
NIH
This Funding Opportunity Announcement (FOA) issued by the National Human Genome Research Institute, National Institutes of Health, encourages Small Research Grant (R03) applications from institutions/organizations that propose to study the ethical, legal and social implications (ELSI) of human genome research. This announcement is specifically designed to: 1) encourage the development of small, focused research projects by legal, historical, ethics, humanities, social sciences and behavioral scholars; 2) support exploratory studies that may provide preliminary findings or pilot data for larger research proposals; 3) support the secondary analysis of existing data; 4) support the development of new methodologies; and 5) stimulate and facilitate the entry of promising new investigators into ELSI Research.

Amount:  $100,000 over 2 years
LOI:  N/R
Deadline:  multiple dates, see announcement
To learn more:  http://grants.nih.gov/grants/guide/pa-files/PA-08-013.html

Key Words:

Genetic Susceptibility and Variability of Human Structural Birth Defects (R01)
PA-08-011
NICHHD, NIDCR, NIEHS
This Funding Opportunity Announcement (FOA) encourages innovative investigator-initiated applications designed to study fundamental developmental processes using animal models in conjunction with translational/clinical approaches with the goal of advancing our understanding of the etiology of structural birth defects. In 2000, the Developmental Biology, Genetics and Teratology Branch at NICHD began its Birth Defects Initiative with the funding of a number of research grants and program projects focused on the use of molecular genetic approaches for the study of genetic susceptibility, epidemiology, and developmental biology of human congenital structural malformations. These grants established the basis for a working group of investigators, who meet annually to present research updates, share ideas and technical advances, establish new collaborations, and provide input and advice to NICHD staff. Applicants funded through this FOA will join the NICHD's Birth Defects Special Interest Group and participate in annual meetings designed to provide a forum to discuss research progress, exchange ideas, share resources, and foster collaborations relevant to the goals of the NICHD's Birth Defects Initiative.

Amount:  unspecified
LOI:  N/R
Deadline:  Multiple dates, see announcement
To learn more:  http://grants.nih.gov/grants/guide/pa-files/PA-08-011.html

Key Words:

NCI Transition Career Development Award to Promote Diversity (K22)
PAR-08-047
NCI
This Funding Opportunity Announcement (FOA) represents the continuation of an NCI program to make possible the diversification of the cancer research workforce via facilitation of the transition of investigators from minority groups underrepresented in biomedical research, primarily those with clinical doctoral degrees as well as those with doctoral degrees working in the areas of cancer prevention, control, behavioral, or population science research, from the mentored stage of career development in academic cancer research to the independent stage. This goal is achieved by providing protected time through salary and research support for 3 years to: postdoctoral individuals or junior faculty in mentored positions transitioning into their first independent position; and investigators within the first 2 years of their first independent cancer research position, to initiate and develop their independently-supported cancer research programs.

Amount:  3 years of salary (up to $75,000 per annum plus fringe benefits) and research support up to $50,000 per annum.
LOI:  N/R
Deadline:  multiple, see listing
To learn more:  http://grants.nih.gov/grants/guide/pa-files/PAR-08-047.html

Key Words:

Ecology of Infectious Diseases (EID)
NSF 10-616
National Science Foundation (NSF)
The Ecology of Infectious Diseases program supports the development of predictive models and the discovery of principles governing the transmission dynamics of infectious disease agents. To that end, research proposals should focus on understanding the ecological, evolutionary and socio-ecological determinants of transmission by vectors or abiotic agents; the population dynamics and genetics of reservoir species; the transmission to humans, other non-human animals or plants; or the cultural, social, behavioral, and economic dimensions of disease communication. Research may be on zoonotic, vector-borne or enteric diseases of either terrestrial, freshwater, or marine systems and organisms, including diseases of non-human animals and plants, at any scale from specific pathogens to inclusive environmental systems. Diseases affecting humans must have an environmental transmission component; research on solely human-to-human transmitted disease systems are not eligible for EID support. Proposals for research on disease systems of public
health concern to developing countries are strongly encouraged, as are disease systems of agricultural concern. Investigators are encouraged to include links to the public health research community, including for example, participation of epidemiologists, physicians, veterinarians, social scientists, medical entomologists, pathologists, virologists, or parasitologists.

**Amount:** $2,500,000  
**LOI:** N/R  
**Deadline:** December 15, 2010  
**Key Words:** Behavioral and Social Science Research on Understanding and Reducing Health Disparities (R01) and (R21)

### Behavioral and Social Science Research on Understanding and Reducing Health Disparities (R01) and (R21)

**PAR-10-136 and PAR-10-137**  
National Institutes of Health (NIH)  
Office of Behavioral and Social Sciences Research (OBSSR)  
multiple other institutes  

To encourage behavioral and social science research on the causes and solutions to health and disabilities disparities in the U.S. population. Health disparities between, on the one hand, racial/ethnic populations, lower socioeconomic classes, and rural residents and, on the other hand, the overall U.S. population are major public health concerns. Emphasis is placed on research in and among three broad areas of action: 1) public policy, 2) health care, and 3) disease/disability prevention. Particular attention is given to reducing "health gaps" among groups. Proposals that utilize an interdisciplinary approach, investigate multiple levels of analysis, incorporate a life-course perspective, and/or employ innovative methods such as system science or community-based participatory research are particularly encouraged.

**Amount:** varies  
**Deadline:** January 11, 2011; May 11, 2011; September 14, 2011; January 11, 2012; May 11, 2012; September 14, 2012; January 14, 2013; May 11, 2013  
**Key Words:** Health Disparities

### Research On Ethical Issues In Human Subjects Research (R03), (R21), and (R01)

**PA-06-367, PA-06-368, and PA-07-277**  
National Institutes of Health (NIH)  
multiple institutes  

The National Institutes of Health (NIH) invites research grant applications to investigate ethical issues in human subjects research.

**Amount:** $100,000

**LOI:** N/R  
**Deadline:** Standard dates apply  
**Key Words:**

### Social Network Analysis and Health (R01) and (R21)

**PAR-10-145 and PAR-10-146**  
National Institutes of Health (NIH)  
multiple institutes  

This FOA encourages research that aims to accomplish one or more specific goals: (1) generate new theories that would enhance the capabilities and value of Social Network Analysis (SNA); (2) address fundamental questions about social interactions and processes in social networks; (3) address fundamental questions about social networks in relation to health and health-related behaviors; (4) develop innovative methodologies and technologies to facilitate, improve, and expand the capabilities of SNA.

**Amount:** varies

**LOI:** April 11, 2011; April 11, 2012  
**Deadline:** May 11, 2011; May 11, 2012  
**Key Words:** Social Network Analysis

### International Research Ethics Education and Curriculum Development Award (R25)

**PAR-10-174**
National Institutes of Health (NIH)
multiple institutes
This FOA issued by the Fogarty International Center (FIC) at the National Institutes of Health (NIH), in collaboration with National Institute of Allergy and Infectious Diseases (NIAID), National Institute of Mental Health (NIMH), National Human Genome Research Institute (NHGRI), Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) and National Institute of Biomedical Imaging and Bioengineering (NIBIB), requests Research Education Grant (R25) applications from institutions/organizations that propose to develop masters level curricula and provide educational opportunities for developing country academics, researchers and health professionals in ethics related to performing research involving human subjects in international resource poor settings.
Amount:  $230,000
LOI:  April 10, 2011, April 10, 2012
Key Words:

NIH Small Research Grant Program (Parent R03)
PA-10-064
National Institutes of Health (NIH)
multiple institutes
The National Institutes of Health (NIH) Investigator-Initiated Small Grant (R03) funding opportunity supports small research projects that can be carried out in a short period of time with limited resources. Investigator-initiated research, also known as unsolicited research, is research funded as a result of an investigator submitting a research grant application to NIH in an investigator's area of interest and competency. All investigator-initiated small grant applications described in this announcement will be assigned to NIH Institutes and Centers (ICs) according to standard Public Health Service (PHS) referral guidelines and specific program interests. Investigators are strongly encouraged to consult the list of participating ICs and special research interests. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. The R03 is intended to support small research projects that can be carried out in a short period of time with limited resources.
Amount:  $100,000
LOI:  N/R
Deadline:  Standard dates apply
To learn more:  http://grants.nih.gov/grants/guide/pa-files/PA-10-064.html
Key Words: Genome Research, Drug Abuse, Aging, Child Health and Development, Nursing

Climate Change and Health: Assessing and Modeling Population Vulnerability to Climate Change (R21)
PAR-10-235
National Institutes of Health (NIH)
multiple institutes
This Funding Opportunity Announcement (FOA) is being issued by the National Institute of Environmental Health Sciences (NIEHS) of the National Institutes of Health (NIH) with participation from the following NIH components: FIC, NCI, NCMHD NHLBI, NIA, NIBIB, NICHD, NLM and OBSSR. This FOA encourages research applications to examine the differential risk factors of populations that lead to or are associated with increased vulnerability to exposures, diseases and other adverse health outcomes related to climate change. Applications may involve either applied research studies that address specific hypotheses about risk factors or population characteristics associated with increased vulnerability, or research projects to develop general models or methods for identifying and characterizing population vulnerability to climate change. The ultimate goal of this research program is to help inform climate change adaptation and public health interventions to reduce current and future vulnerability of various populations to the health effects of climate change. Applications are anticipated to involve a multidisciplinary research team, including experts in health sciences and climatology as well as geography, modeling, statistics, demography, and social and behavioral sciences as appropriate. In addition, partnerships with community-based or advocacy organizations, public health officials, urban planners and others are encouraged.
Amount:  $275,000
LOI:  April 24, 2011; April 24, 2012
Deadline:  May 24, 2011; May 24, 2012
To learn more:  http://grants.nih.gov/grants/guide/pa-files/PAR-10-235.html
Key Words:

Bioengineering Research Partnerships (BRP)[R01]
PAR-10-234
National Institutes of Health (NIH)
multiple institutes
Participating Institutes and Centers (ICs) of the National Institutes of Health (NIH) invite applications for R01 awards to support Bioengineering Research Partnerships (BRPs) for basic, applied, and translational multi-disciplinary research that addresses important biological, clinical or biomedical research problems. In the context of this program, a partnership is a multi-disciplinary research team, that applies an integrative, systems approach to develop knowledge and/or methods to prevent, detect, diagnose, or treat disease or to understand health and behavior. The partnership must operate according to a clear leadership plan and include appropriate bioengineering or allied quantitative sciences in combination with biomedical and/or clinical components. BRPs may propose, within a 12-page research strategy section, design-directed, developmental, discovery-driven, or hypothesis-driven research at universities, national laboratories, medical schools, large or small businesses, or other public and private entities or combinations of these entities, and will be evaluated against expanded review criteria. It is expected that a BRP will have a well-defined goal or deliverable that will be achieved in a 5-10 year timeframe based on objective milestones specified in the initial application.

Amount: varies
LOI: N/R
Deadline: Standard Dates apply

Key Words:

Advancing Novel Science in Women's Health Research (ANSWHR) (R21)
PAS-10-226
National Institutes of Health (NIH)
multiple institutes
The purpose of this Funding Opportunity Announcement (FOA), issued by the Office of Research on Women’s Health (ORWH) and co-sponsoring NIH institutes and centers (ICs), is to promote innovative, interdisciplinary research that will advance new concepts in women’s health research and the study of sex/gender differences. Recent research reports have established the importance of studying issues specific to women, including the scientific and clinical importance of analyzing data separately for females and males. ORWH is particularly interested in encouraging extramural investigators to undertake new interdisciplinary research to advance studies on how sex and gender factors affect women's health; however, applications in all areas of women’s health and/or sex/gender research are invited.

Amount: $275,000
LOI: N/R

Key Words:

Effects of the Social Environment on Health: Measurement, Methods and Mechanisms (R01)
RFA-DA-11-003
National Institutes of Health (NIH)
multiple institutes
This FOA, issued as part of the NIH Basic Behavioral and Social Science Opportunity Network (OppNet), solicits Research Project Grant (R01) applications from institutions/organizations that propose to investigate structural, behavioral, sociocultural, environmental, cognitive, emotional, and/or biological mechanisms through which the social environment affects health outcomes. To address this objective, applicants should propose research studies that will: (1) deepen our understanding of which aspects of social environments affect health outcomes for women and men at different stages of the lifecourse and in different social, economic, geographic, racial and ethnic sub-populations; (2) lead to a clearer understanding of mechanisms through which social environments have such effects; or (3) improve measurement methods and/or contribute to advances in analytic methods used in the study of social environments and health.

Amount: $2,500,000
LOI: December 6, 2010
Deadline: January 06, 2011

Key Words:

NIH Basic Behavioral and Social Science Opportunity Network (OppNet) Short-term Interdisciplinary Research Education Program for New Investigators (R25)
RFA-NR-11-002
National Institutes of Health (NIH)
multiple institutes
This funding opportunity announcement (FOA) issued by the National Institute of Nursing Research (NINR) as part of the NIH Basic Behavioral and Social Science Opportunity Network (OppNet) solicits short-term R25 Research Education Project applications that will focus on providing creative and innovative education research experiences for new scientists in basic behavioral and social science research (b-BSSR). The goal of this initiative is to support the growth of a cohort of scientists with research expertise in b-BSSR to

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further the understanding of fundamental mechanisms and patterns of behavioral and social functioning relevant to the health and well-being of individuals and populations.

Amount: $150,000
LOI: December 6, 2010
Deadline: January 6, 2010

Key Words: Independent Scientist in Global Health Award (ISGHA) (K02)

Independent Scientist in Global Health Award (ISGHA) (K02)
PAR-10-065
National Institutes of Health (NIH)
Fogarty International Center (FIC)
The purpose of the Independent Scientist Award in Global Health (K02) is to foster the development of outstanding scientists and enable them to expand their potential to make significant contributions to their field of research in global health. The K02 award provides three, four, or five years of research and salary support, and “protected time” for newly independent scientists who can demonstrate the need for a period of intensive research focus as a means of enhancing their research careers. Each independent scientist career award program must be tailored to meet the individual needs of the candidate.

Amount: varies
LOI: N/R
Deadline: March 1, 2011; March 1, 2012
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-065.html

Key Words: Global Health

Understanding and Promoting Health Literacy (R01) and (R03) and (R21)
PAR–10-133 and PAR–10-134 and PAR–10-135
National Institutes of Health (NIH)
Agency for Healthcare Research and Quality (AHRQ)
multiple institutes
The ultimate goal of this program announcement is to encourage empirical research on health literacy concepts, theory and interventions as these relate to the U.S. Department of Health and Human Services’ public health priorities that are outlined in its Healthy People initiative. Health literacy is defined as the degree to which individuals have the capacity to obtain, process, and understand basic health information and services needed to make appropriate health decisions.

Mechanism of Support. This FOA will utilize the R01 grant mechanism and runs in parallel with FOAs of identical scientific scope, PAR-10-134 that encourages applications under the R03 grant mechanism, and PAR-10-135, that encourages applications under the R21 grant mechanism.

Amount: varies
LOI: 30 days before application due date
Deadline: Standard dates apply

Key Words: Health Literacy

Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) - PA-06-468/PA-08-226
PA-06-468/PA-08-226
National Institutes of Health (NIH)
The objective of the National Research Service Award (NRSA) program is to provide predoctoral and postdoctoral research training opportunities for individuals interested in pursuing research careers in biomedical, behavioral and clinical research. Each NIH Institute and Center has a unique scientific purview and different program goals and initiatives that evolve over time. It is therefore critical that all applicants consult with the scientific/research contact at the relevant NIH Institute or Center for current information about program priorities and policies before preparing an application. This action is of utmost importance because applications with marginal or no relevance to the NIH awarding components participating in this funding opportunity announcement will not be accepted for review or considered for funding.

Amount: varies
LOI: N/R
Deadline: Jan 25 annually; May 25 annually
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-226.html

Key Words: Alcohol or Alcoholism, Allergy, Alternative Medicine, Arthritis, Biomedical Research (Multidisciplinary), Blood Diseases, Cancer or Carcinogenesis, Cardiovascular Diseases, Deafness, Diabetes, Digestive Diseases and Disorders, Drug Abuse Prevention, Environmental Health, Eye Diseases, Genomics, Geriatrics, Infectious Diseases or Agents, Internal
Health Services Research on the Prevention and Treatment of Drug and Alcohol Abuse

[(R01) PA-08-263] and [(R21) PA-08-264] and [(R03) PA-08-265]

PA-08-263 and PA-08-264 or PA-08-265

National Institutes of Health (NIH)

This Funding Opportunity Announcement (FOA) issued by the National Institute on Drug Abuse (NIDA) and the National Institute on Alcohol Abuse and Alcoholism (NIAAA) encourages Research Project Grant (R01) applications on health services research to improve the quality of prevention and treatment services for drug and alcohol abuse. Such research projects might emphasize any of the following subjects: (1) clinical quality improvement; (2) organizational/managerial quality improvement; (3) systems of care and collaborative research; or (4) development or improvement of research methodology, analytic approaches, and measurement instrumentation used in the study of drug and alcohol services.

-Mechanism of Support. This FOA will utilize the NIH Research Project Grant (R01) award mechanism and runs in parallel with FOAs of identical scientific scope, PA-08-264 and PA-08-265 that encourage applications under the Exploratory/Developmental Grant (R21) and Small Research Grant (R03) award mechanisms, respectively.

Amount: varies

LOI: N/R

Deadline: Standard dates apply


Key Words: Drug Addiction, Treatment Plans, Drug and Alcohol Services

Integrating Biobehavioral and Sociocultural Research to Prevent HIV Transmission and Infection

[(R01) PA-08-188] and [(R21) PA-08-189]

PA-08-188 and PA-08-189

National Institutes of Health (NIH)

This funding opportunity announcement (FOA) solicits Research Project (R01) grant applications from applicant organizations to develop theoretically grounded approaches to prevention of HIV infection and transmission that incorporate biobehavioral approaches in studies that are culturally appropriate. Biobehavioral approaches may be biomedical, or they may consist of behavioral interventions using biological markers of efficacy. Intervention and pre-intervention studies are welcomed, but descriptive ethnographic and epidemiological research is still needed in some areas. For example, descriptive research may delineate the impact of cultural variables on behaviors that impede or promote biological markers (e.g., seroconversion), lead to a better understanding of ethical concerns in biomedical preventive studies, or may illuminate as yet unrecognized issues concerned with adherence to a prevention interventions. Intervention studies should evaluate the efficacy of biomedical interventions, or of behavioral interventions that also use biological variables, in light of the sociocultural context.

Amount: $100,000

LOI: N/R

Deadline: Standard dates apply


Key Words: HIV, AIDS, Epidemiology

Economics of Treatment and Prevention Services for Drug & Alcohol Abuse

[(R03) PA-08-172] and [(R21) PA-08-173] and [(R01) PA-08-174]

PA-08-172 and PA-08-173 or PA-08-174

National Institute on Drug Abuse

This Funding Opportunity Announcement (FOA) issued by the National Institute on Drug Abuse (NIDA) and the National Institute on Alcohol Abuse and Alcoholism (NIAAA) encourages Research Project Grant (R03) applications on the economics of prevention and treatment services for drug and alcohol abuse. Such research projects might emphasize any of the following subjects: (1) financing and purchasing of drug and alcohol treatment and prevention services, including studies of health insurance and payment mechanisms; (2) economic incentives used to improve the quality and economic efficiency of treatment and prevention services (3) alternative delivery systems and managed care; (4) cost-benefit, cost-effectiveness, or cost-utility analyses; (5) service costs, production, and economic efficiency; and (6) research to develop or improve methods to be used in the economic study of drug and alcohol services. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. The R03 is intended to support small research projects that can be carried out in a short period of time with limited resources.

Amount: $50,000

LOI: N/R

Deadline: Standard dates apply
Accelerating the Pace of Drug Abuse Research Using Existing Epidemiology, Prevention, and Treatment Research Data (R01)
PAR-10-018
National Institute on Drug Abuse (NIDA)
National Cancer Institute (NCI)
Office of Behavioral and Social Science Research (OBSSR)
The National Institute on Drug Abuse (NIDA) and the National Cancer Institute (NCI) invite applications to support the innovative analysis of existing social science and behavioral data to study the etiology and epidemiology of drug using behaviors (defined as alcohol, tobacco, and other drug), HIV risk behaviors, related disorders, prevention and treatment of these behaviors, and health service utilization including quality, access, and costs.  NIDA and NCI encourage coordinated analyses of substance abuse research data that are in public use or that are privately held by a principal investigator.
Amount:  $450,000
LOI:  N/R
Deadline:  Standard dates apply
To learn more:  http://grants.nih.gov/grants/guide/pa-files/PAR-10-018.html
Key Words:  Alcoholism, Epidemiology

Mechanism for Time-Sensitive Drug Abuse Research (R01)
PAR-10-072
National Institute on Drug Abuse (NIDA)
This Funding Opportunity Announcement (FOA) is issued by the National Institute on Drug Abuse (NIDA), National Institutes of Health (NIH).  The FOA is intended to support substance abuse prevention and treatment services research in rapidly evolving areas (e.g., changes in service systems, health care financing, policy, natural/man-made disasters, etc) where opportunities for empirical study are, by their very nature, only available through expedited review and award of support.  There are three distinguishing features of an eligible study: 1) the study's scientific value and feasibility are clear, 2) rapid review and funding are required in order for the scientific question to be answered, and 3) the knowledge gained from the study is time-sensitive and seeking funding through the regular NIH cycle of review and award would result in a missed opportunity to conduct the research.  It should be clear that the research question offers an uncommon and scientifically significant research opportunity that could only become available if the project is initiated with minimum delay.
Amount:  varies
LOI:  4 weeks prior to planned submission date
To learn more:  http://grants.nih.gov/grants/guide/pa-files/PAR-10-072.html
Key Words:  Risk Behaviors

Drug Abuse Prevention Intervention Research
[(R01) PA-08-217] and [(R21) PA-08-218] and [(R03) PA-08-219]
PA-08-217 and PA-08-218 and PA-08-219
National Institute on Drug Abuse (NIDA)
The purpose of this FOA is to encourage Research Project Grant (R01) applications from institutions/organizations that propose to advance the science of drug abuse and drug-related HIV prevention through 1) the development of novel prevention approaches, 2) the testing of novel and adapted prevention intervention approaches 3) the elucidation of processes associated with the selection, adoption, adaptation, implementation, sustainability, and financing of empirically validated interventions, and 4) the development of new methodologies suitable for the design and analysis of prevention research studies.  Programs of research are intended to provide pathways toward the discovery of population-level approaches for the prevention of drug abuse and dependence, drug-related problems (such as interpersonal violence, criminal involvement, and productivity loss), and drug related illness (such as comorbid drug and mental health problems or comorbid infections including HIV, hepatitis B, and hepatitis C).
Amount:  varies
LOI:  N/R
Deadline:  Standard dates apply,
Key Words:  Drug Abuse, Drug Dependence
Pilot and Feasibility Studies in Preparation for Drug Abuse Prevention Trials (R34)
PA-09-146
National Institute on Drug Abuse (NIDA)
This FOA for R34 applications seeks to support: (a) pilot and/or feasibility testing of new, revised, or adapted preventive intervention approaches targeting the initiation of drug use, the progression to abuse or dependence, and the acquisition or transmission of HIV infection among diverse populations and settings; and (b) pre-trial feasibility testing for prevention services and systems research. The NIDA R34 mechanism does not support the development of intervention protocols, manuals, or the standardization of protocols. It is expected that research conducted via this R34 mechanism will consist of early stage efficacy, effectiveness or services research that will provide intervention pilot and/or feasibility data that is a pre-requisite for submitting larger drug abuse and/or drug-related HIV prevention intervention studies.
Amount: $450,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-146.html
Key Words: Drug Use, Progression to Addiction

Drug Abuse Epidemiology and Services Research in Cooperation with the Clinical and Translational Science Awards Consortium (R01)
PAS-09-001
National Institute on Drug Abuse (NIDA)
Through this program announcement with set aside (PAS), the National Institute on Drug Abuse (NIDA) invites applicants to develop innovative drug abuse epidemiology or health services research in cooperation with academic centers supported through the NIH Clinical and Translational Science Awards (CTSA) consortium. A major NIH initiative, the CTSA consortium is transforming how clinical and translational research is conducted, building an infrastructure for multidisciplinary researchers and clinicians to perform research and develop new treatments more efficiently. As a part of this infrastructure, CTSA sites have established partnerships with a range of clinical settings and have access to large, multi-generational population cohorts. These features of the CTSA sites offer a unique opportunity for researchers to integrate drug abuse epidemiology and health services research in these settings. Applicants are asked to propose innovative drug abuse research which builds upon the resources available at CTSA sites, resources which would include CTSA efforts to strengthen networks of clinical sites and to establish innovative information technologies, phenotyping systems, and biobanks. A broad range of drug abuse epidemiology and health services research areas will be supported under the auspices of this FOA.
Amount: $2,500,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAS-09-001.html
Key Words: CTSA, Epidemiology, Drug Abuse Treatment

Drug Abuse Dissertation Research: Epidemiology, Prevention, Treatment, Services, and/or Women and Sex/Gender Differences (R36)
PAR-10-020
National Institute on Drug Abuse (NIDA)
The purpose of this Funding Opportunity Announcement (FOA) is to invite applications for support of drug abuse doctoral dissertation research in epidemiology, prevention, treatment, services, and/or women and sex/gender differences.
Amount: $100,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-020.html
Key Words: Drug Abuse

Medications Development for Polydrug Addiction Treatment
[(R01) PAS-08-186] and [(R21) PAS-08-187]
PAS-08-186 and PAS-08-187
National Institute on Drug Abuse
The National Institute on Drug Abuse (NIDA) is seeking medication discovery and development research grant applications focused on the treatment of patients who are simultaneously addicted to multiple substances, including alcohol, tobacco, illicit drugs and/or prescription drugs. Novel proposals for clinical or preclinical testing of potential medications, as well as relevant animal model development and medicinal chemistry efforts are encouraged.
Amount: $2,500,000
LOI: N/R
Deadline: Standard dates apply
Senior Scientist Research and Mentorship Award (K05)
PA-09-076
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute on Drug Abuse (NIDA)
The Senior Scientist Research and Mentorship Award (K05) is intended to provide outstanding senior scientists protected time to focus on and enhance their research and to carry out mentoring of new investigators. Candidates for the Senior Scientist Research and Mentorship Award (K05) should be recognized leaders in the alcohol, or drug abuse, or related research fields who have demonstrated a sustained, high level of productivity and a distinguished record of original contributions in their field, and whose expertise and contributions to these research fields will continue to be critical to the missions of the NIAAA or NIDA. Each candidate must demonstrate both the need for protected time to further their field of research and a commitment to serve as a mentor to new investigators or junior faculty who are currently performing or will begin to perform alcohol, or drug abuse, or related research. Mentored investigators should have an independent, full-time appointment at their institution; this can be in either non-tenure or tenure-track positions.
Amount: up to $450,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-076.html
Key Words: Drug Abuse, Drug Development

Nutrition and Alcohol-Related Health Outcomes (R01), (R03), and (R21)
PA-10-239, PA-10-240 and PA-10-241
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA) issued by the National Institute on Alcohol Abuse and Alcoholism (NIAAA) and the National Cancer Institute (NCI) encourages Research Grant (R01) applications from institutions/organizations that propose to examine associations between nutrition and alcohol-related health outcomes in humans and animal models. The goal of this program announcement is to stimulate a broad range of research on the role of nutrition in the development, prevention, and treatment of a variety of alcohol-related health outcomes including alcohol dependence and psychiatric co-morbidities, chronic and acute diseases, and organ function and damage. Study designs may include biomedical research, epidemiologic approaches, and intervention studies.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Alcohol abuse, Drug abuse

Alcohol, Decision-Making, and Adolescent Brain Development (R01) and (R21)
PA-09-097
PA-09-096
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
This FOA issued by the National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, encourages Research Project grants (R01) applications from institutions/organizations that propose to study decision-making processes in adolescents as they relate to drinking behavior, and the role of neural circuitry development in adolescent decision-making and alcohol abuse and dependence.
Amount: unspecified
LOI: N/R
Deadline: Standard dates apply
Key Words: Alcoholism, Adolescent Behavior

Behavioral Regulation Mechanisms of Alcohol Dependence and Related Phenotypes (R01) and (R21)
PA-10-255 and PA-10-256
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
This FOA issued by the National Institute on Alcohol Abuse and Alcoholism (NIAAA), National Institutes of Health (NIH), encourages Research Project grants (R01) applications from institutions/organizations that propose to examine the mechanisms of behavioral regulation contributing to the behavioral characteristics of alcohol dependence.

**Amount:** varies  
**LOI:** N/R  
**Deadline:** Standard dates apply  

**Key Words:**

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**Multi-Component Youth/Young Adult Alcohol Prevention Trials (R01)**  
RFA-AA-11-001  
National Institute on Alcohol Abuse and Alcoholism (NIAAA)  
This Funding Opportunity Announcement (FOA) invites research grant applications that will advance the science of alcohol prevention and treatment through evaluations of multicomponent community programs, with a specific focus on adolescents and young adults. It seeks proposals to test the relative effectiveness and costs of: (1) Community based programs comprised of environmental interventions to reduce underage and binge drinking among young adults and related harmful behaviors; (2) Community based programs that increase alcohol screening, brief intervention, and access to formal treatment for adolescents and young adults in multiple community settings (e.g. primary care, emergency departments, school- and work-based settings, and web-based venues); and (3) Programs that combine both strategies.  
**Amount:** $2,500,000  
**LOI:** November 2, 2010  
**Deadline:** December 2, 2010  

**Key Words:**

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**Alcohol Use Disorders: Treatment, Services Research, and Recovery (R21)**  
PA-08-008  
National Institute on Alcohol Abuse and Alcoholism  
This Funding Opportunity Announcement (FOA), issued by the National Institute on Alcohol Abuse and Alcoholism (NIAAA), National Institutes of Health (NIH), encourages Exploratory/Developmental (R21) grant applications from institutions/organizations that utilize innovative approaches to research on: behavioral and pharmacological treatment for alcohol use disorders; organizational, financial, and management factors that facilitate or inhibit the delivery of services for alcohol use disorders; and/or on the phenomenon of recovery from alcohol use disorders.  
**Amount:** $275,000  
**LOI:** N/R  
**Deadline:** Multiple dates, see announcement  
To learn more: [http://grants.nih.gov/grants/guide/pa-files/PA-08-008.html](http://grants.nih.gov/grants/guide/pa-files/PA-08-008.html)

**Key Words:**

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**Secondary Analyses of Social and Behavioral Datasets in Aging (R03)**  
PA-10-139  
National Institute on Aging (NIA)  
This Funding Opportunity Announcement (FOA), issued by the National Institute on Aging (NIA), is seeking small grant (R03) applications to conduct secondary analysis of social and behavioral data in aging. Specifically, NIA seeks applicants to: 1) stimulate and facilitate secondary analysis of data related to dynamics of health and disability, cognition, psychosocial and sociodemographic factors, genetics, and biomarkers, long term care, caregiving, behavioral medicine, retirement, economic status; 2) provide support for preliminary projects using secondary analysis that could lead to subsequent applications for other research grant award mechanisms; 3) provide support for analyses of new databases and experimental modules for purposes such as informing the design and content of future study waves; and 4) provide support for pilot research on under-utilized databases.  
**Amount:** $100,000  
**LOI:** N/R  
**Deadline:** Standard dates apply  

**Key Words:** **Aging, Secondary Analysis, Existing Databases**
Promoting Careers in Aging and Health Disparities Research (K01)
PAR-09-136
National Institute on Aging (NIA)
The purpose of this FOA, “Promoting Careers In Aging and Health Disparities Research (K01)” is to provide support and protected time to eligible individuals who have been determined by the grantee institution to be committed to a career in health disparities research related to aging and who are members of or knowledgeable about health disparity population groups. Nationally, health disparity population groups include but are not limited to African Americans, Hispanic Americans, American Indians/Alaska Natives, Native Hawaiians, Pacific Islanders, the medically underserved, low socioeconomic populations and rural populations.

Amount:  $750,000
LOI:  N/R
Deadline:  Standard dates apply
Key Words: Aging, Community Health, Rural Health, Health Disparities

Health Promotion Among Racial and Ethnic Minority Males (R01) and (R21)
PA-10-236 and PA-10-237
National Institute of Nursing Research (NINR)
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Heart, Lung, and Blood Institute (NHLBI)
National Cancer Institute (NCI)
Office of Behavioral and Social Sciences Research (OBS)
This Funding Opportunity Announcement (FOA) encourages Research Project (R01) grant applications from applicants that propose to stimulate and expand research in the health of minority men. Specifically, this initiative is intended to: 1) enhance our understanding of the numerous factors (e.g., sociodemographic, community, societal, personal) influencing the health promoting behaviors of racial and ethnic minority males and their subpopulations across the life cycle, and 2) encourage applications focusing on the development and testing of culturally and linguistically appropriate health-promoting interventions designed to reduce health disparities among racially and ethnically diverse males and their subpopulations age 21 and older.

Amount:  varies
LOI:  N/R
Deadline:  Standard Dates apply
Key Words:

Countermeasures Against Chemical Threats (CounterACT) Exploratory/Developmental Projects in Translational Research (R21)
PAR-10-019
National Institute of Neurological Disorders and Stroke (NINDS)
National Eye Institute (NEI)
National Institute of Allergy and Infectious Diseases (NIAID)
National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)
National Institute of Health (NIH)
This Funding Opportunity Announcement (FOA) requests applications for exploratorydevelopmental translational research on therapeutics for reducing mortality and morbidity caused by acute exposures to chemical threat agents. Chemical threats include traditional chemical warfare nerve agents such as sarin and VX, toxic industrial chemicals such as cyanide and chlorine, and toxic agricultural chemicals such as parathion and sodium fluoroacetate. Projects supported by this FOA are expected to generate preliminary data that would enable the development of competitive applications for more extensive support from the NIH CounterACT program (see www.ninds.nih.gov/counteract for a description) and other related research and development programs.

Amount:  $500,000
LOI:  January 4, 2011, 2012
Deadline:  February 1, 2011, 2012
Key Words: Chemical Threat, Warfare Agents, Counter Measures

Dissemination and Implementation Research in Health (R01), (R03) and (R21)
PAR-10-038 and PAR-10-039 and PAR-10-040
National Institute of Mental Health (NIMH)
National Cancer Institute (NCI)
National Heart, Lung, and Blood Institute (NHLBI)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute of Allergy and Infectious Diseases (NIAID)
This Funding Opportunity Announcement (FOA) encourages investigators to submit research grant applications that will identify, develop, and refine effective and efficient methods, structures, and strategies to disseminate and implement research-tested health behavior change interventions and evidence-based prevention, early detection, diagnostic, treatment, and quality of life improvement services into public health and clinical practice settings.

**Amount:** varies

**LOI:** N/R

**Deadline:** Standard dates apply


**Key Words:** Health Behavior Change/Intervention

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**Interventions And Practice Research Infrastructure Program (IP-RISP) (R24)**

PAR-06-441

National Institute of Mental Health (NIMH)

The National Institute of Mental Health (NIMH) seeks research partnerships between community-based, clinical/services settings and research institutions to enhance the national capacity to conduct research that will inform mental health services research science, service delivery, program dissemination and implementation, and mental health policy. The IP-RISP seeks to foster an active, synergistic partnership between mental health researchers and community-based, clinical/services staff, clinicians and patients/clients to: (1) advance our knowledge about developing research infrastructure in community settings and the establishment of collaborative partnerships; (2) identify and incorporate those factors (e.g., organizational, sociocultural, interpersonal) in community settings that may be associated with quality care and optimal outcomes for patients and clients; and (3) plan, test, and implement services research interventions (treatment, rehabilitative, and preventive) in community settings.

**Amount:** varies up to $500,000

**LOI:** N/R

**Deadline:** Standard dates apply


**Key Words:** Community Based Research

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**Short Courses on Mathematical, Statistical, and Computational Tools for Studying Biological Systems (R25)**

PA-09-002

National Institute of General Medical Sciences (NIGMS)

National Center for Complementary and Alternative Medicine (NCCAM)

National Institute on Aging (NIA)

National Institute of Mental Health

This FOA issued by the National Institute of General Medical Sciences, the National Center for Complementary and Alternative Medicine, the National Institute on Aging and the National Institute of Mental Health encourages applications for Research Education Grants (R25) from institutions and organizations to conduct workshops and short courses to improve integration of mathematical, statistical, and computational approaches into biological and/or behavioral research. Support will be limited to activities that reach a wide audience of researchers. The program announcement is NOT intended for university course or curriculum development.

**Amount:** $1,000,000

**LOI:** N/R

**Deadline:** Standard dates apply


**Key Words:** Statistical Analysis, Behavioral Research, Computational Analysis

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**Mechanism for Time-Sensitive Research Opportunities in Environmental Health Sciences (R03) and (R21)**

PAR-10-083 and PAR-10-084

National Institute of Environmental Health Sciences (NIEHS)

This funding opportunity announcement (FOA) is intended to support research in which an unpredictable opportunity has arisen to collect human or animal biosample baseline or exposure data (e.g., following natural or made-made disasters, health care policy changes, etc). The distinctive element of the project should be the need for empirical study for a situation that was not foreseeable and is achievable only if begun within a short time frame.

**Amount:** $100,000-$275,000

**LOI:** Monthly throughout the open period; see announcement

**Deadline:** Monthly throughout the open period; see announcement


**Key Words:** Environmental Health
Short Term Career Development Award in the Environmental Health Sciences for Established Investigators (K18)

National Institute of Environmental Health Sciences (NIEHS)
The purpose of these short term career development awards is to allow established, well funded clinician investigators to expand research programs to answer questions relevant to the environmental health sciences, and to provide established environmental health sciences research investigators the tools to expand their efforts to translational research.

Amount: varies
LOI: N/A
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-090.html
Key Words: Environmental Health Sciences

Health Disparities in NIDDK Diseases (R01)

National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the National Institute of Nursing Research (NINR) of the National Institutes of Health (NIH) seek research to understand and mitigate issues of health disparities in high priority diseases within their scope, including diabetes, obesity, nutrition-related disorders, hepatitis C, gallbladder disease, H. Pylori infection, sickle cell disease, kidney diseases, urologic diseases, hematologic diseases, metabolic, gastrointestinal, hepatic, and renal complications from infection with HIV. NINR promotes and improves the health of individuals, families, communities, and populations, supports and conducts clinical and basic research and research training on health and illness across the lifespan.

Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-262.html
Key Words: Diabetes, Health Disparities, Nursing, Clinical and Basic Research

Home and Family Based Approaches for the Prevention or Management of Overweight or Obesity in Early Childhood (R21) and (R01)

National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Heart, Lung and Blood Institute (NHLBI)
Office of Behavioral and Social Sciences Research (OBSSR)
Office of Disease Prevention (ODP)
This Funding Opportunity Announcement (FOA) issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), the National Heart, Lung and Blood Institute (NHLBI), the Office of Behavioral and Social Sciences Research (OBSSR) and the Office of Disease Prevention (ODP), National Institutes of Health, invites exploratory pilot/feasibility study and small clinical trial (R21) applications from institutions/organizations that propose to test novel home or family based interventions for the prevention or management of overweight in infancy and early childhood. Tested interventions can use behavioral (including dietary and physical activity), environmental, or other relevant approaches. Applications should focus on infants and young children (to age six years) and emphasize the role of home environment and the influence of family/extended family members and parents (including guardians/substantial care-providers) within the childs home environment. The direct goal of this initiative is to fund research that will advance knowledge for innovative approaches to the prevention or management of overweight in children less than 6 years of age, with potential for future research clinical trial applications either in the home or linked to a community setting. Research should consider the role of families in the initiation, support, and reinforcement of fundamental food and beverage consumption, physical activity practices, and sedentary behaviors. In addition it is of interest to elucidate various underlying behavioral determinants that are crucial to initiate or sustain changes in behaviors that impact energy balance. Research designs may include linkages with other settings (e.g., daycare, pre-school, or other community venues) or other care providers (e.g., health care providers or teachers) but must include infants or children less than age six years as the primary study participant along with parents, and/or other family members residing with the child. The overarching goal is to identify interventions that influence parent and child behaviors that contribute to inappropriate weight gain, and thereby improve subsequent health status in childhood, adolescence, and adulthood for which overweight is a known risk factor.

Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Obesity
NIDCR Small Research Grants for Data Analysis and Statistical Methodology (R03)
PAR-09-182
National Institute of Dental and Craniofacial Research (NIDCR),
The goal of this funding opportunity announcement (FOA) is to support meritorious research projects that involve secondary data analyses or statistical methodology using existing dental or craniofacial database resources.
Amount: $200,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-182.html
Key Words: Dentistry, Database, Statistical Analysis

Notice of Availability of Administrative Supplements for T32 Global Health Physician Scientist Postdoctoral Training Slots
NOT-AI-10-028
National Institute of Allergy and Infectious Diseases (NIAID)
The National Institute of Allergy and Infectious Diseases (NIAID) announces an administrative supplement program of up to $1,000,000 per year total in Fiscal Year 2011 to provide funds to NIAID-supported NRSA Institutional Research Training Grant (T32) awards for the additional appointment of postdoctoral clinical fellows engaged in global health-related research. The purpose of these administrative supplements is to allow existing T32 Institutional Research Training Programs with an overall focus on infectious diseases and a global health research capability, including collaborations with foreign clinical research sites, to add 1-2 clinical postdoctoral trainees over the remaining non-competitive segment of the parent award. The goal is to respond to and support the enthusiasm of clinical fellows eager to help solve global health problems in infectious diseases (including HIV). Additional research training will allow clinical fellows to gain international experience that will enhance their ability to function in foreign settings where many communicable diseases and associated health conditions are endemic. It will also provide research experience where other important infectious disease influences are prevalent, such as multiple co-morbidities, nutritional factors, cultural practices, and health care delivery challenges.
Amount: N/A
LOI: N/R
Deadline: January 18, 2011
To learn more: http://grants.nih.gov/grants/guide/notice-files/NOT-AI-10-028.html
Key Words:

Mentored Research Scientist Development Award (K01)
PAR-10-132
National Institute for Occupational Safety and Health (NIOSH)
The goal of the NIOSH Mentored Research Scientist Development Award (K01) is to help ensure the availability of adequate numbers of highly trained scientists to address occupational health and safety and to provide new occupational health and safety scientists and educators with appropriate mentoring. The purpose of the K01 is to provide support and 75% "protected time" for an intensive, supervised career development experience in occupational health and safety research leading to research independence.
Amount: $300,000
LOI: N/R
Deadline: Standard dates apply
Key Words: Occupational Health and Safety

NIOSH Small Research Grant Program (R03) and (R21) and (R01)
PAR-09-138
National Institute for Occupational Safety and Health (NIOSH)
The purpose of this grants program is to develop an understanding of the risks and conditions that are associated with occupational diseases and injuries, to explore methods for reducing risks and for preventing or minimizing exposure to hazardous conditions in the workplace, and to translate significant scientific findings into prevention practices and products that will effectively reduce work-related illnesses and injuries. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Occupational Health, Workplace Safety
**NIOSH Exploratory and/or Developmental Grant Program (R21) and (R01) and (R03)**

**PAR-09-139**
National Institute for Occupational Safety and Health (NIOSH)
The purpose of this grants program is to develop an understanding of the risks and conditions that are associated with occupational diseases and injuries, to explore methods for reducing risks and for preventing or minimizing exposure to hazardous conditions in the workplace, and to translate significant scientific findings into prevention practices and products that will effectively reduce work-related illnesses and injuries.

**Amount:** varies

**LOI:** N/R

**Deadline:** Standard dates apply


**Key Words:** Occupational Disease and Injury

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**Occupational Safety and Health Education and Research Centers (T42)**

**PAR-10-217**
National Institute for Occupational Safety and Health (NIOSH)
The National Institute for Occupational Safety and Health (NIOSH)/Centers for Disease Control and Prevention (CDC) invites grant applications for Education and Research Centers (ERC) that are focused on occupational safety and health training and research training. NIOSH is mandated to provide an adequate supply of qualified personnel to carry out the purposes of the Occupational Safety and Health Act, and the ERCs are one of the principal means for meeting this mandate. ERCs are academic institutions that provide interdisciplinary graduate training and continuing education in the core occupational safety and health areas of industrial hygiene (IH), occupational health nursing (OHN), occupational medicine residency (OMR), occupational safety (OS), as well as other closely related occupational safety and health (OSH) fields. Research and research training are integral components of ERCs, thus ERC scientists conduct peer reviewed, investigator initiated research on issues related to the National Occupational Research Agenda (NORA). The NIOSH homepage provides a full description of occupational safety and health program areas, [http://www.cdc.gov/niosh/homepage.html](http://www.cdc.gov/niosh/homepage.html). The ERCs also serve as regional resource centers for industry, labor, government, and the public.

**Amount:** $5,400,000

**LOI:** N/R

**Deadline:** August 15, 2011; August 14, 2012; August 14, 2013; August 14, 2014


**Key Words:**

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**Small Grants for Behavioral Research in Cancer Control (R03)**

**PA-09-003**
National Cancer Institute (NCI)
National Institute of Nursing Research (NINR)
This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI) and the National Institute of Nursing Research (NINR), at the National Institutes of Health (NIH), is intended to provide support for either new investigators in cancer-related behavioral research, or investigators who want to refocus their research interests toward behavioral research in cancer control. The program is designed to facilitate the growth of a nationwide cohort of scientists with research experience in behavioral cancer control and design of public health interventions. Preliminary data for the proposed projects are not required. Overarching goals are to: (1) encourage new investigators to enter the field of behavioral research in cancer control and initiate their long-term career development aimed at becoming independent investigators in the field, and (2) support research on transfer of behavioral science knowledge into cancer control practice.

**Amount:** $100,000

**LOI:** N/R

**Deadline:** December 20, 2010; April 20, 2011; August 22, 2011; December 20, 2011


**Key Words:** Cancer, Cancer Prevention, Cancer Control

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**Improving Diet and Physical Activity Assessment (R01)**

**PAR-09-224**
National Cancer Institute (NCI)
National Heart, Lung, and Blood Institute (NHLBI)
National Institute on Aging (NIA)
National Institute of Child Health and Human Development (NICHD)
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), the National Heart, Lung, and Blood Institute (NHLBI), the National Institute on Aging (NIA), the National Institute of Child Health and Human Development (NICHD), the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), the National Institute of Nursing Research (NINR), and the National Institutes of Health (NIH) Office of the Director (OD) Office of Dietary Supplements (ODS), encourages innovative research to enhance the quality of measurements of dietary intake and physical activity. Applications submitted under this FOA may include development of: novel assessment approaches; better methods to evaluate instruments; assessment tools for culturally diverse populations or various age groups, including older adults; improved technology or applications of existing technology; statistical methods to assess or correct for measurement errors or biases, methods to investigate the multidimensionality of diet and physical activity behavior through pattern analysis; or integrated measurement of diet and physical activity along with the environmental context of such behaviors.

Amount: varies
LOI: January 5, 2011; September 5, 2011; May 5, 2012
Deadline: February 5, 2011; October 5, 2011; June 5, 2012
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-224.html
Key Words: Obesity, Physical Activity

### Obesity Policy Research: Evaluation and Measures (R01), (R21) and (R03)

PA-10-027 and PA-10-028 and PA-10-029

Amount: varies
LOI: N/R
Deadline: Standard dates apply

Key Words: Obesity, Public Policy

### Impact of Health Communication Strategies on Dietary Behaviors

[[R21] PA-08-240] and [[R01] PA-08-241]

PA-08-240 and PA-08-241

Amount: $275,000
LOI: N/R
Deadline: Standard dates apply

Key Words: Nutrition, Communication
The Role of Microbial Metabolites in Cancer Prevention and Etiology (U01)
PAR-10-208
National Cancer Institute (NCI)
National Center for Complementary and Alternative Medicine (NCCAM)
This Funding Opportunity Announcement (FOA) issued by the National Cancer Institute (NCI), and the National Center for Complementary and Alternative Medicine, (NCCAM), at the National Institutes of Health, encourages the submission of grant applications that characterize the effects of microbially generated metabolites of dietary components on host cell biology. Specifically, this FOA seeks to characterize microbially generated metabolites and better understand their molecular mechanisms of action that affect host cell proliferative/apoptotic responses, cytokine production, inflammatory and immunomodulatory effects. This FOA will also encourage the conduct of human intervention studies that identify inter-individual variability among various racial and ethnic groups in the production of bacterial metabolites and determine their efficacy in cancer prevention. This research is necessary to better understand the role of dietary components in cancer etiology, prevention, and cancer health disparities to identify who might benefit from specific dietary recommendations and who might be placed at risk. One of the goals of this program will be to facilitate interdisciplinary collaborations among scientists engaged in nutrition, cancer prevention, cell biology research, and cancer disparities research with those conducting studies with gut microbiota. All applications must include multiple principle investigators with different areas of expertise such as microbiology, nutrition, cancer biology, analytical chemistry, or genetics. In addition, all investigators will be required to attend annual meetings with NIH personnel. Investigators may use either clinical or preclinical approaches.
Amount: varies
LOI: October 15, 2011; October 15, 2012
Deadline: November 15, 2011; November 15, 2012
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-208.html
Key Words:

Small Grants Program for Cancer Epidemiology (R03)
PAR-08-237
National Cancer Institute (NCI)
This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), encourages the submission of Small Research Grant (R03) applications for research on cancer etiology and epidemiology. The overarching goal of this FOA is to provide support for pilot projects, testing of new techniques, secondary analyses of existing data, development and validation of measurement methods, linkage of genetic polymorphisms with other variables related to cancer risk, and development of innovative projects for more comprehensive research in cancer etiology and epidemiology.
Amount: varies
LOI: N/R
Deadline: March 18, 2011; July 22, 2011; November 18, 2011
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-237.html
Key Words:

Exploratory/Developmental Grants Program for Basic Cancer Research in Cancer Health Disparities (R21) and (U01)
PAR-09-160 and PAR-09-161
National Cancer Institute (NCI)
Through this Funding Opportunity Announcement (FOA), the Center to Reduce Cancer Health Disparities (CRCHD) and the Division of Cancer Biology (DCB), at the National Cancer Institute (NCI), invite grant applications from investigators interested in conducting basic research studies into the causes and mechanisms of cancer health disparities. These awards will support pilot and feasibility studies, development and testing of new methodologies, secondary data analyses, and innovative mechanistic studies that investigate biological/genetic bases of cancer health disparities. This FOA is also designed to aid and facilitate the growth of a nationwide cohort of scientists with a high level of basic research expertise in cancer health disparities research and to provide resources for those investigators that may need additional support on their path to successfully compete for R01/R01* funding in basic research in understanding cancer health disparities.
Amount: $275,000
LOI: N/R
Deadline: June 23, 2011; November 23, 2011
Key Words: Cancer, Disparities, Epidemiology

State and Community Tobacco Control Policy and Media Research (U01)
RFA-CA-10-008
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), solicits cooperative agreement (U01) applications for research projects to investigate the effectiveness of the State and community tobacco control policy and media interventions. Focal areas include secondhand smoke policies, tax and pricing policies, tobacco industry marketing and promotion, mass media countermeasures, and community and social norms. The proposed projects may address tobacco use and exposure in any form in the United States and may involve both observational and intervention studies. In addition, this FOA also solicits separate cooperative agreement applications for a Coordinating Center for this program. The Coordinating Center will provide the necessary scientific leadership and administrative framework to facilitate interactive and integrative collaboration and communication among the awardees of individual Research Projects to be funded by this initiative and between the awardees and NCI staff.

Amount: $8,500,000
LOI: December 22, 2009
Deadline: January 22, 2011
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-10-008.html

**Key Words: Smoking Policy, Tobacco Use**
care, quality, and outcomes of care, and health disparities across the continuum of treatment. Projects sought under this FOA may focus on treatment and outcomes at the patient-specific level or include influences from the provider or broader health-system level. This FOA will utilize the NIH Research Project Grant (R01) grant mechanism and runs in parallel with two other FOAs of identical scientific scope, that encourages applications under the R21 (PA-09-144) and the R03 (PA-09-143) mechanisms.

**Amount:** varies

**LOI:** N/R

**Deadline:** Standard dates apply


**Key Words:** Cancer Surveillance, Epidemiology, Cancer, Health Claims

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**Mayday Fund of New York**

Mayday Fund of New York

The Mayday Fund is dedicated to alleviating the incidence, degree, and consequence of human physical pain.

**Amount:** $2,000-$500,000

**LOI:** N/R

**Deadline:** Continuous

To learn more: [http://www.maydayfund.org/](http://www.maydayfund.org/)

**Key Words:** Pain, Pain Alleviation

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**Meetings, Conferences, and Networks for Research Partnerships to Improve Functional Outcomes (R13)**

PAR-08-207

Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
National Institute of Neurological Diseases and Stroke (NINDS)
National Heart, Lung, and Blood Institute (NHLBI)
National Institute of Mental Health (NIMH)
National Inst

This funding opportunity announcement (FOA) solicits Conference Grant (R13/U13) applications from applicant organizations for meetings and networks that will facilitate interdisciplinary research partnership among investigators. The goal is to create opportunities for forming strong and effective multi-disciplinary scientific teams to address basic, translational, or clinical research problems in rehabilitation or management of chronic disease, including mental disorders.

**Amount:** $50,000

**LOI:** N/R

**Deadline:** Standard dates apply


**Key Words:** Chronic Disease, Rehabilitation, Conferences

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**Community-Based Partnerships for Childhood Obesity Prevention and Control: Research to Inform Policy (R03) and (R21)**

PA-09-140 and PA-09-141

Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
National Cancer Institute (NCI)
National Heart, Lung, and Blood Institute (NHLBI)
Office of Behavioral and Social Sciences Research (OBSSR)
National Center for Chronic

The purpose of this funding opportunity announcement (FOA) issued by the NICHD is to enhance childhood obesity research by fostering the formation of local, state, or regional teams consisting of researchers, policymakers, and other relevant stakeholders (e.g., community representatives, public health practitioners or officials, educators) in order to identify research questions and hypotheses, design and implement the relevant research, and translate the research into evidence relevant to potential policy efforts in this area. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. The R03 is intended to support small research projects that can be carried out in a short period of time with limited resources.

**Amount:** $100,000-$275,000

**LOI:** N/R

**Deadline:** Standard dates apply


**Key Words:** Childhood Obesity, Public Policy
Postdoctoral Research Training for Obstetricians and Gynecologists (T32)
PAR-10-203
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), National Institutes of Health (NIH) will award Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) to eligible institutions as the primary means of supporting predoctoral and postdoctoral research training to help ensure that a diverse and highly trained workforce is available to assume leadership roles related to the Nation’s biomedical, behavioral and clinical research agenda. The primary objective of the T32 program is to prepare qualified individuals for careers that have a significant impact on the health-related research needs of the Nation. The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) will award T32 programs to prepare qualified obstetricians and gynecologists to assume leadership roles related to the Nation’s biomedical, behavioral and clinical research agenda through a training program composed of a collaboration between a department of obstetrics and gynecology and a department of epidemiology, biostatistics, or preventive medicine (or equivalent). This initiative will increase the cadre of obstetrician gynecologists with good epidemiologic and clinical trials training to better carry out future clinical and translational research.
Amount: varies
LOI: April 25, 2011, April 25, 2012
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-203.html

Research on Teen Dating Violence (R01) and (R21)
PA-09-169 and PA-09-170
Eunice Kennedy Shriver National Institute for Child Health and Human Development (NICHD)
National Institute on Drug Abuse (NIDA)
National Institute on Alcohol and Alcohol Abuse (NIAAA)
Office for Research on Women’s Health (ORWH)
This Funding Opportunity Announcement (FOA) encourages investigator-initiated research grant applications from institutions/organizations that propose to conduct behavioral and/or biomedical research aimed at better understanding the etiologies and precursors for, reducing risk for, and incidence of, teen dating violence (TDV). Research is also sought that examines the linkages and gaps among perceptions of appropriate responses to teen dating violence from service providers, the criminal justice system, teens themselves, victims, perpetrators and bystanders.
Amount: $2,500,000
LOI: N/R
Deadline: Standard dates apply

Fellowships for the Prevention of Child Abuse and Neglect
Doris Duke Charitable Foundation
The Doris Duke Charitable Foundation and Chapin Hall at the University of Chicago, a research center focused on child and family policy, have launched the Doris Duke Fellowships for the Prevention of Child Abuse and Neglect for doctoral and dissertation students. The new program aims to identify and nurture promising leaders in child abuse prevention.
Amount: $50,000
LOI: N/R
Deadline: December 15, 2010
To learn more: http://www.chapinhall.org/about/fellowships/doris-duke-fellowships

Department Of Defense Hive/Aids Prevention Program
DHAPP-BAA-10-001
Department of Defense (DOD)
DHAPP continues to rely upon the vital support of various partners, such as non-governmental organizations (NGOs), in implementing HIV prevention, care and treatment programs across the globe. Each country has a customized plan to help the countries’ militaries bring its HIV/AIDS programs to sufficient scale to help reduce the spread of the epidemic and mitigate its impact. DHAPP’s current priority activities include the following:
- Institutional capacity building and developing military specific HIV strategic and operational plans that incorporate effective monitoring and evaluation procedures.
- Training of master trainers and peer educators.
- “Troop Level” HIV/AIDS prevention education and behavior change communication.
- Evaluating specific prevention interventions in military contexts
- Providing infrastructure and equipment to support HIV testing, care and/or treatment.
- Increasing testing of all military personnel.
- Developing HIV laboratory diagnostic and monitoring capabilities.
- Increasing clinical capability and other human resources for health care of those infected with HIV.
- Developing or revising military specific HIV policies that specifically address leadership roles, gender norms, gender based violence, stigma and discrimination and structural components necessary for access to care.
- Increasing male circumcision (MC) in high prevalence countries who are supportive of MC as an effective prevention intervention.
- Providing peacekeeping prevention and care interventions in militaries that contribute significant peacekeepers.

This BAA is intended to solicit existing partners and establish new partners in order to expand the DHAPP program.

Amount: $50,000-$300,000
LOI: N/R
Deadline: This announcement will remain open until 30 September 2011. White Papers may be submitted at any time during this period.
To learn more: http://www.grants.gov/search/synopsis.do;jsessionid=RIFgLZjCZnVvTpKtvX9mkkkCCZ1L1Wb7JXyZhn1NRLNRLvQcLpI-1885924289

Key Words: HIV/AIDS, Military, Transmission of Infection, Preventative Measures

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**Occupational Safety and Health Research (R01)**

PAR-10-188

Centers for Disease Control and Prevention (CDC)
National Institute for Occupational Safety and Health (NIOSH)

The purpose of this funding opportunity announcement (FOA) is to develop an understanding of the risks and conditions that are associated with occupational diseases and injuries, to explore methods for reducing risks and for preventing or minimizing exposure to hazardous conditions in the workplace, and to translate significant scientific findings into prevention practices and products that will effectively reduce work-related illnesses and injuries.

Amount: $1,600,000
LOI: N/R
Deadline: Standard dates apply

Key Words: Occupational Safety and Health Research (R01)

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**NIOSH Support for Conferences and Scientific Meetings (R13)**

PAR-08-072

Centers for Disease Control and Prevention

NIOSH Support for Conferences and Scientific Meetings (R13) is soliciting proposals for high quality conferences/scientific meetings that are relevant to NIOSH’s scientific mission and to the public health.

The goal of the NIOSH research program is to develop an understanding of the risks and conditions that are associated with occupational diseases and injuries, to explore methods for reducing risks and for preventing or minimizing exposure to hazardous conditions in the workplace, and to translate significant scientific findings into prevention practices and products that will effectively reduce work-related illnesses and injuries. Specific research priorities are derived from the National Occupational Research Agenda (NORA) which is used by NIOSH for determining how best to carry out its mission of providing national and world leadership in preventing work-related illnesses and injuries.

Amount: $20,000
LOI: Sixty calendar days in advance of standard Application
Deadline: Standard dates apply (April 12, August 12, December 12)

Key Words: Occupational Health

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**Aerospace Medicine and Human Performance Integration Research**

BAA-09-01-RH

Aerospace Medicine and Human Performance Integration Research

The Human Effectiveness Directorate of the Air Force Research Laboratory (AFRL) is soliciting white papers under this announcement for innovative technologies and scientific and programmatic services to support aerospace medicine and human performance integration research. This is a 5-year, open-ended BAA, under which the 711th Human Performance Wing seeks to identify novel medical and human systems integration research. The 711th HPW includes two Defense Health Program (DHP)-funded mission elements: (1) The United States Air Force School of Aerospace Medicine (USAFSAM), and (2) the Human Performance Integration Directorate (711th HPW/HP).

(1) The United States Air Force School of Aerospace Medicine (USAFSAM) is an international center for education, training, consultation, research and technology evaluation in hazard mitigation, public health, contingency operations, performance...
enhancement, human systems integration, and clinical aerospace medicine disciplines including aeromedical evacuation. (See pages 5-7 of program description.)

Some topics of interest:
rapid pathogen ID and detection
novel use of non-pharmaceutical therapeutics (probiotics, immunomodulatory nutrients?)
workplace hazards, contaminants, particulate matter
wound care/healing
infection control
organ failure
pain control
ID and surveillance of physical, chemical, infections agents
improved specimen collection, storage, shipment and/or processing
medical response capabilities and standards
medical responses to disasters centered around the interface between military and non-military responders
epidemiological studies
improved IT capability for surgical application and database management
doppler bubble and trans-esophageal echocardiograms to ID patent foramen ovale

Amount:  $250,000-$500,000
LOI:  White Papers should be submitted through the UNMC Office of Research, Paula Turpen, PhD Director or Research Resources
Deadline:  continuous until April 15, 2014
To learn more:  https://www.fbo.gov/index?s=opportunity&mode=form&tab=core&id=57284ba19b9c2168128b1f62bee667&cview=0

AHRQ Grant Program for Large or Recurring Conferences (R13)
PAR-09-257
Agency for Healthcare Research and Quality (AHRQ)
The Agency for Healthcare Research and Quality (AHRQ), announces its continued interest in supporting conferences through its Large or Recurring Grant Program for Conference Support. AHRQ seeks to support conferences that help to further its mission to improve the quality, safety, efficiency, and effectiveness of health care for all Americans. The types of conferences eligible for support include: 1) Research development - conferences where issues or challenges in the practice and delivery of health care are defined and a research agenda or strategy for studying them is developed; 2) Research design and methodology - conferences where methodological and technical issues of major importance to the field of health services research are addressed or new designs and methodologies are developed; 3) Dissemination and implementation - conferences where research findings and evidence-based information and tools are summarized, communicated and used by organizations and individuals that have the capability to use the information to improve the outcomes, quality, access to, and cost and utilization of health care services; and/or, 4) Research training, infrastructure and career development -conferences where faculty, trainees and students are brought together with stakeholders to develop, share or disseminate research products, experiences, curricula, syllabi, or training competencies.
Amount:  $300,000
LOI:  N/R
Deadline:  Standard dates apply
To learn more:  http://grants.nih.gov/grants/guide/pa-files/PAR-09-257.html
Key Words:  Conferences, Health Care

AHRQ Health Services Research Projects (R01)
PA-09-070
Agency for Healthcare Research and Quality (AHRQ)
This Funding Opportunity Announcement (FOA) solicits Large Research (R01) Projects, and expresses AHRQ portfolio priority areas of interest for ongoing extramural health services research, demonstration, dissemination, and evaluation grants.
Amount:  $500,000
LOI:  N/R
Deadline:  Standard dates apply
To learn more:  http://grants.nih.gov/grants/guide/pa-files/PA-09-070.html
Key Words:  Healthcare Delivery, Healthcare Costs, Healthcare Waste

AHRQ Small Research Grant Program (R03)
PA-10-168
Agency for Healthcare Research and Quality (AHRQ)
This Funding Opportunity Announcement (FOA) encourages Small Research Grant (R03) applications, and expresses AHRQ portfolio priority areas of interest for ongoing small research projects. The R03 grant mechanism supports different types of health services
research projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and, development of new research technology.

**Amount:** $100,000

**LOI:** N/R

**Deadline:** Standard dates apply


**Key Words:** Comparative Effectiveness Research, Prescription Drugs and Medicare, Arthritis and Non-Traumatic Joint Disorders, Cancer, Cardiovascular Disease, Stroke, Hypertension, Dementia, Alzheimer's Disease, Depression, Developmental Delays, ADHD, Autism, Diabetes, Infectious Diseases, HIV/AIDS, Obesity, Peptic Ulcer, Dyspepsia, Pregnancy, Pulmonary Disease/Asthma, Substance Abuse

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**AHRQ Small Grant Program for Conference Support (R13)**

**PA-09-231**

Agency for Healthcare Research and Quality (AHRQ)

The Agency for Healthcare Research and Quality (AHRQ), announces its continued interest in supporting conferences through its Small Grant Program for Conference Support. AHRQ seeks to support conferences that help to further its mission to improve the quality, safety, efficiency, and effectiveness of health care for all Americans. The types of conferences eligible for support include: 1) Research development - conferences where issues or challenges in the practice and delivery of health care are defined and a research agenda or strategy for studying them is developed; 2) Research design and methodology - conferences where methodological and technical issues of major importance in the field of health services research are addressed or new designs and methodologies are developed; 3) Dissemination and implementation conferences - where research findings and evidence-based information and tools are summarized, communicated and used by organizations and individuals that have the capability to use the information to improve the outcomes, quality, access to, and cost and utilization of health care services; and/or, 4) Research training, infrastructure and career development - conferences where faculty, trainees and students are brought together with stakeholders to develop, share or disseminate research products, experiences, curricula, syllabi, training competencies. AHRQ is especially interested in supporting conferences that demonstrate strategies that include plans for disseminating complimentary conference materials and products beyond the participants attending the event. Such strategies might include, but are not limited to, submitting articles for publication, posting information on a Web site, and seeking formal opportunities to discuss conference information with others.

**Amount:** $50,000

**LOI:** N/R

**Deadline:** December 21; In 2010: February 22, April 20, June 21, August 20, October 20, December, 20; In 2011: February 22, April 20, August 22, October 20, December 20; In 2012: February 21, April 20, June 20, August 20, and October 22


**Key Words:** Conferences, Health Care

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**AHRQ Health Services Research Demonstration and Dissemination Grants (R18)**

**PA-09-071**

Agency for Healthcare Research and Quality (AHRQ)

This Funding Opportunity Announcement (FOA) solicits Large Research Demonstration and Dissemination (R18) Projects, and expresses AHRQ portfolio priority areas of interest for these ongoing, extramural grants.

**Amount:** $500,000

**LOI:** N/R

**Deadline:** Standard dates apply


**Key Words:** Healthcare Delivery, Healthcare Costs, Healthcare Waste

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**AHRQ Small Research Grant Program (R03)**

**PAR-10-168**

Agency for Healthcare Research and Quality (AHRQ)

This Funding Opportunity Announcement (FOA) encourages Small Research Grant (R03) applications, and expresses AHRQ portfolio priority areas of interest for ongoing small research projects. The R03 grant mechanism supports different types of health services research projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and, development of new research technology.

**Amount:** $100,000

**LOI:** N/R

**Deadline:** Standard dates apply


**Key Words:**
Researching Implementation and Change while Improving Quality (R18)
PAR-08-136
Agency for Healthcare Research and Quality
The Agency for Healthcare Research and Quality (AHRQ) announces the Agency's interest in supporting grants to rigorously study the implementation of quality improvement strategies and provide generalizable scientific findings about the implementation of the quality improvement strategy, related organizational changes, and their impact. There is increasing evidence that success in achieving quality improvement goals is at least partially attributable to implementation processes and contexts and not just to the nature of the quality improvement strategy. The research funded through this announcement may be conducted by the team designing/implementing the quality improvement strategy or it may be conducted by a separate team. The quality improvement strategy must be one that is expected to result in major improvements in health care delivery that will enhance patient outcomes. Research design and execution will yield results providing AHRQ, providers, patients, payers, policymakers, and the public with contextual details and high level of confidence about what works and what doesn’t in improving health care in the United States.

Amount: varies but will not exceed $300,000 annually
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-136.html
Key Words:

AHRQ Individual Awards for Postdoctoral Fellows (F32) Ruth L. Kirschstein National Research Service Awards (NRSA)
PA-09-229
Agency for Healthcare Research and Quality
The purpose of this individual postdoctoral research training fellowship is to provide support to promising Fellowship Applicants with the potential to become productive, independent investigators in health services research in research areas and priorities relevant to the mission of AHRQ.

Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-229.html
Key Words: Health Services Research

Aetna 2010 Grant Program
Aetna Foundation
For 2010, the foundation will focus its grant making on issues that improve health and the healthcare system in three areas: obesity (addressing the rising rate of obesity among U.S. adults and children); racial and ethnic healthcare equity (promoting equity in health and health care for common chronic conditions and infant mortality); and integrated health care (advancing high-quality health care by improving care coordination and communications among healthcare professionals, creating informed and involved patients, and promoting cost-effective, affordable care). Grant applications that address more than one of these areas will receive priority consideration.

Within the three program areas, the foundation will award the following types of grants: research grants to generate new knowledge, making use of either quantitative or qualitative techniques; project grants to test, apply, or disseminate new practices designed to improve health and health care; and policy grants to analyze and promote policies to ensure that programs and practices to improve health and health care can be replicated and disseminated broadly. In addition, the foundation will consider applications for sponsorship of fundraising events such as galas and walks, outreach activities (e.g., health fairs), and other community-based health and wellness initiatives aligned with the foundation's funding priorities.

Amount: up to $250,000
LOI: Required for grant requests over $50,000
Deadline: Quarterly
To learn more: http://www.aetna.com/about-aetna-insurance/aetna-foundation/aetna-grants/grants-for-2010-and-beyond.html
Key Words: Obesity, Racial and Ethnic Health Care Equity, Integrated Health Care

Mentored Research Scholar Grant in Applied and Clinical Research
ACS
Support mentored research by full-time faculty, typically within the first four years of their appointment, with the goal of becoming independent investigators in clinical, cancer control and prevention, epidemiologic, psychosocial, behavioral, health services and health policy research.

Amount: up to five years and for up to $135,000 per year
LOI: N/R
Deadline: April 1 and October 15; annually
Physician Training Awards in Preventive Medicine
ACS
This award is made to support primary care physicians with a rank of instructor to assistant professor who are pursuing an academic career with an emphasis on cancer control.
Amount: $300,000
LOI: N/R
Deadline: April 1, annually
To learn more: http://www.cancer.org/docroot/RES/content/RES_5_2x_Physician_Training_Awards_in_Preventive_Medicine.asp?sitearea=RES
Key Words:

Regenerative Medicine/Transplantation

Human Pluripotent Stem Cell (hPSC) Research Using Non-Embryonic Sources (R01)
PA-08-043 and PA-08-044
NIH
This Agency-wide Funding Opportunity Announcement (FOA) is a Program Announcement (PA) to encourage new research applications proposing research on hPSCs from non-embryonic sources. This FOA addresses Executive Order 13435 issued by President George W. Bush on June 20, 2007. The Executive Order requires that “The Secretary of Health and Human Services shall conduct and support research on the isolation, derivation, production, and testing of stem cells that are capable of producing all or almost all of the cell types of the developing body and may result in improved understanding of or treatments for diseases and other adverse health conditions, but are derived without creating a human embryo for research purposes or destroying, discarding, or subjecting to harm a human embryo.
Amount: $275,000 over two years
LOI: N/R
Deadline: multiple, see link. Continuous until January 2011.
Key Words:

Program Projects for Collaborative Research on the Basic Biology of Pluripotency and Reprogramming (P01)
RFA-GM-11-005
National Institute of General Medical Sciences (NIGMS)
National Institute of Biomedical Imaging and Bioengineering
The purpose of this initiative is to advance the fundamental understanding of the basis of pluripotency and the molecular events and mechanisms of reprogramming, including the epigenetics and epigenomics of the pluripotent and reprogrammed states. Studies should be focused on human induced pluripotent stem cells (iPSC). Comparative studies with human stem cells and/or non-human mammalian ESC, iPSC and embryo models may be included.
Amount: $7,000,000
LOI: November 1, 2010
Deadline: December 1, 2010
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-GM-11-005.html
Key Words:

Ancillary Studies in Immunomodulation Clinical Trials (R01)
RFA-AI-10-014
National Institute of Allergy and Infectious Diseases (NIAID)
National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)
National Institute of Neurological Disorders and Stroke (NINDS)
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
This FOA invites R01 applications for mechanistic studies in clinical trials of: (1) immunomodulatory interventions for immune system mediated diseases, including, but not limited to: asthma and allergic diseases; graft rejection in solid organ, cell, and tissue transplantation; and chronic inflammatory, autoimmune, and
immunodeficiency diseases; and (2) preventative and therapeutic, vaccines for non-HIV/AIDS infectious diseases, including NIAID Category A, B, and C agents of bioterrorism and emerging/re-emerging infectious diseases.

Amount: $1,000,000
LOI: Thirty days prior to application receipt date
Deadline: March 9, 2011
To learn more: http://grants.nih.gov/grants/guide/rafiles/RFA-AI-10-014.html

Key Words: NIAID Clinical Trial Planning Grant (R34), (U01) and (R01)
PAR-10-185 and PAR-10-186 and PAR-10-184
National Institute of Allergy and Infectious Diseases (NIAID)
This Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID) invites applications that propose the complete planning, design, and preparation of documentation necessary for implementation of investigator-initiated clinical trials. The trials must be hypothesis-driven, milestone-defined, related to the research mission of the NIAID and considered high priority by the Institute. Investigators are encouraged to visit the NIAID website for additional information about the research mission and high-priority research areas of the NIAID http://www3.niaid.nih.gov/about/whoWeAre/planningPriorities/)

Amount: varies with award mechanism
LOI: N/R

Key Words: Asthma and Allergies, Autoimmune Diseases, Insulin Dependent Diabetes, Systemic Lupus Erythematosus, Rheumatoid Arthritis, Multiple Sclerosis, Graft Rejection, AIDS, Tuberculosis, TB, Malaria, Influenza, Hepatitis, Emerging Infections, Bioterrorism, Transplantation and Immune Tolerance

Directed Stem Cell Differentiation for Cell-Based Therapies for Heart, Lung, and Blood Diseases (R21)
PA-09-248
National Heart, Lung, and Blood Institute (NHLBI)
This funding opportunity announcement (FOA) encourages Exploratory/Developmental (R21) grant applications from applicant organizations that propose to define the factors and mechanisms controlling the differentiation of embryonic or adult stem or progenitor cells, either in vitro or in vivo. It is designed to stimulate new scientific advances in stem cell differentiation including technology research that may not be hypothesis driven. The long range goal of this program is the development of methods to direct the differentiation or development of stem cells along specific cell lineages to yield replacement cells for clinical use, whether the replacement cells are formed in vitro for delivery or formed in vivo in the tissue or organ environment.

Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/rafiles/PA-09-248.html

Key Words: Progenitor Cells, Stem Cell Differentiation

Stem Cells and Cancer (R21)
PA-08-165
National Cancer Institute
National Institute on Aging
This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), and the National Institute on Aging (NIA), encourages research in all aspects of tumor stem cell biology, including the molecular and biochemical regulation of embryonic and adult stem cell behavior relevant to tumor formation. This FOA intends to stimulate efforts on isolation and characterization of tumor stem cells from a large spectrum of tumors. In addition, more research is encouraged to understand the genetic and biochemical regulatory mechanisms that control the self-renewal phenotype, asymmetric cell division, and the stem cell microenvironment (or “niche”).

Amount: $275,000 over a 2-year period
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/rafiles/PA-08-165.html

Key Words: Cancer, Stem Cells, Tumor Cells

Biomarkers for Early Detection of Hematopoietic Malignancies (R01) and (R21)
PA-09-197 and PA-09-198
National Cancer Institute (NCI)

This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages research grant applications from institutions/organizations for the development and validation of biomarkers for: a) early detection, prediction of progression, and recurrence of hematopoietic malignancies, especially in high-risk individuals; and, b) for risk assessment of primary and secondary hematopoietic malignancies. This FOA is also encourages the development and improvement of specific technologies and methods for quantitative detection of novel biomarkers associated with hematopoietic malignancies.

Amount: varies
LOI: N/R
Deadline: Standard dates apply

Key Words: Hematopoietic Cancers, Biomarkers

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Biophysical and Biomechanical Aspects of Embryonic Development (R21) and (R01) PAR-10-222 and PAR-10-221
Eunice Kennedy Shriver National Institute of Child Health and Human Development
National Institute of Biomedical Imaging and Bioengineering (NIBIB)
National Heart, Lung, and Blood Institute (NHLBI)

This Funding Opportunity Announcement (FOA) issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development, National Institute of Biomedical Imaging and Bioengineering (NIBIB) (http://www.nibib.nih.gov), and National Heart, Lung, and Blood Institute (NHLBI), (http://www.nhlbi.nih.gov), is intended to encourage innovative and high risk/impact research in the area of physics/mechanics of embryonic development to be explored in model organisms. The research proposed under this program can explore approaches and concepts new to the area of developmental tissue mechanics; research and development of new technologies; or initial research and development of data upon which significant future research may be built. The focus of this FOA is to promote research aimed at generating new and critical information about tissue mechanics relevant to vertebrate development and understanding the basis for developmental disorders. While minimal or no preliminary data are expected to be described, applications should clearly indicate the significance of the proposed work and that the proposed research and/or development is scientifically sound, that the qualifications of the investigators are appropriate, and that resources available to the investigators are adequate.

Amount: varies with award
LOI: August 20, 2011, August 20 2012

Key Words:

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Skin

**2010 – 2011 Request for Proposals from Melanoma Research Alliance**

New

Melanoma Research Alliance

For the 2010-11 funding cycle, the MRA is soliciting proposals that address the gap in translational science, i.e., turning scientific discoveries into tools and/or treatments for high risk individuals or melanoma patients. Proposals will be accepted in the following categories: 1) individual investigator awards, including young investigator, established investigator, and pilot study awards; 2) team science awards emphasizing collaborative, multidisciplinary research approaches; and 3) academic-industry partnership awards for established investigators or research teams (new this year).

Amount: varies
LOI: N/R
Deadline: November 15, 2010; February 1, 2011; March 15, 2011
To learn more: [http://www.melanomaresearchalliance.org/mra_research/rfp.html](http://www.melanomaresearchalliance.org/mra_research/rfp.html)

Key Words: Combinatorial Treatment Strategies; Molecularly Targeted and Immunologically Based Therapies; Resistance Mechanisms; Prognostic Biomarkers; Epigenetic Markers; miRNA Markers

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Pilot and Feasibility Clinical Research Grants in Arthritis and Musculoskeletal and Skin Diseases (R21) PAR-10-282
National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)

This FOA, issued by National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS) of the National Institutes of Health, encourages exploratory/developmental clinical research related to the prevention or treatment of arthritis and musculoskeletal and skin diseases, conditions, and/or injuries. The Pilot and Feasibility Clinical Research Grants Program is designed to allow initiation of exploratory, short-term clinical studies, so that new ideas may be investigated without stringent requirements for preliminary data. The short-term studies should focus on research questions that are likely to gather critical preliminary data in support of a future, planned
clinical trial. They can include testing new or prevention strategies, a new intervention, or unique combinations of therapies. A high priority is the use of such studies to help stimulate the translation of promising research developments from the laboratory into clinical practice.

**Amount:** $275,000  
**LOI:** N/R  
**Deadline:** March 1, 2011, July 1, 2011; Nov 1, 2011; March 1, 2012; July 2, 2012; Nov 1, 2012; March 1, 2013; July 1, 2013  

**Key Words:** Replication, Fine-Mapping and Sequencing: Follow-Up on Genome-Wide Association Studies for Arthritis and Musculoskeletal and Skin Diseases (R01)  
PAR-09-135  
National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)  
This Funding Opportunity Announcement (FOA), issued by the National Institute of Arthritis and Musculoskeletal and Skin Diseases, National Institutes of Health, encourages applications that propose to perform replication, fine-mapping, and sequencing studies of human genomic regions that are putatively associated with phenotypes relevant to the NIH mission. Genomic regions of interest are primarily those identified by genome-wide association studies (GWAS). The objective of this FOA is to enhance the identification of causal genes and genetic variants that influence complex diseases relevant to the NIAMS mission. Replication, fine-mapping, and sequencing studies are to be conducted in existing cohorts with defined phenotypes. This FOA will not support recruitment of human subjects, collection of medical or phenotypic data, studies using animal models, or the initial discovery phase of GWAS.

**Amount:** $700,000  
**LOI:** June 1, 2011  
**Deadline:** June 29, 2011  

**Key Words:** GWAS, Genome-Wide Analysis, Musculoskeletal and Skin Diseases, Arthritis

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**Structural Biology & Proteomics**

**Research on Malignancies in the Context of HIV/AIDS (R01) and (R21)**

**New**  
PA-10-290 and PA-10-291  
National Cancer Institute (NCI)  
National Institute on Dental and Craniofacial Research (NIDCR)  
This funding opportunity announcement (FOA) issued by NCI and NIDCR, National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/ organizations that propose to continue advancing our understanding of the risks, development, progression, diagnosis, and treatment of malignancies observed in individuals with an underlying Human Immunodeficiency (HIV) infection or Acquired Immune Deficiency Syndrome (AIDS). The NCI and NIDCR seek to encourage research in areas such as the study of the etiologic factors, cofactors, immunopathogenesis, diagnosis, and consequences of both AIDS-defining and non-AIDS defining malignancies in diverse populations in the context of an underlying HIV infection. This FOA invites research efforts that will: (i) provide information on the clinical outcomes of such cancers in the HIV-infected population; and (ii) identify specific contributions resulting from HIV infection and its potential interaction with other pathogens for the development and pathogenesis of these cancers.

**Amount:** varies  
**LOI:** N/R  
**Deadline:** Standard dates apply  

**Key Words:** Biomarkers, Diagnostics, Therapeutics; Etiology, Pathogenesis and Immunology; Molecular Epidemiology and Prevention; Oral Cavity Malignancies

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**T32 Postdoctoral Research Fellowship**

T32HL072757-02  
University of Alabama at Birmingham (UAB)  
The Section on Statistical Genetics in the Department of Biostatistics at the University of Alabama at Birmingham is accepting applications from statistical and other scientists for postdoctoral positions in statistical genetics, genetic epidemiology, microarray analysis, or proteomic analysis.

**Amount:** not specified  
**LOI:** N/R  
**Deadline:** Continuous. Fellowship positions are open until filled.
SBS Awards
Society for Biomolecular Screening (SBS)
The Society for Biomolecular Sciences supports an award of $5,000 made at least every three years, to recognize outstanding achievements in research, innovation, ground breaking foundation, or seminal contributions that have proven to be broadly applicable to biomolecular screening or pharmaceutical/ agricultural lead discovery. Furthermore, the award seeks to recognize those who have distinguished themselves within the scope of the society's mission. Independence of thought, originality of approach, clarity of vision, and a consistent record of achievement are important criteria. Quality and depth rather than the number of contributions shall be emphasized.
The Society for Biomolecular Sciences supports annual awards of $1,000 to recognize a member for a significant technical accomplishment, exceeding a benchmark or milestone in screening or the lead discovery process, or an innovative and integrated use of mature technologies. More than one award may be conferred annually.

Amount: $5,000
LOI: N/R
Deadline: Continuous
To learn more: http://www.sbsonline.org/awards/
Key Words: Biomolecules, Proteomics

Development of Assays for High-Throughput screening for use in Probe and Pre-therapeutic Discovery (R01)
PA-10-213
National Institutes of Health (NIH)
multiple institutes
This FOA issued by the NIDDK, NCI, NHLBI, NIA, NIAAA, NIAID, NIDR, NIGMS and NIMH of the National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/organizations that propose the development of assays for high throughput screening (HTS) relevant to processes and diseases specific to its mission with the intent of using them to screen for small molecule compounds that show desired properties as probes for use in advancing knowledge about the relevant target, identifying new targets, or serving as pre-therapeutic leads. The NIH launched a Molecular Libraries and Imaging initiative as part of the NIH Roadmap for Medical Research to establish a network of HTS screening centers which provide access to a large compound library, robotics to carry out the assays, and informatics to interpret the results (http://mli.nih.gov/mli/). This FOA seeks to establish a stream of scientifically and technologically outstanding assays for screening by these and other academic centers. Assays may involve targets indirectly related to disease, but which might provide insight into the biology of relevant diseases. Other targets might be associated with rare and neglected diseases, an area of increasing focus for the NIH (http://www.nih.gov/news/health/may2009/nhgri-20.htm).
Assays should be relevant to the scope of the research for at least one of the sponsoring NIH Institutes
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-213.html
Key Words:

Structural Biology of Membrane Proteins (R01)
PA-10-228
National Institutes of Health (NIH)
multiple institutes
This FOA issued by NIGMS, as well as NCI, NIA, NIDCD, NIDDK, NIDA, NIEHS and NHLBI, National institutes of Health, encourages grant applications from institutions/organizations that propose to develop research and methods to enhance the rate of membrane protein structure determination and to determine specific membrane protein structures. Innovative methods for expression, oligomerization, solubilization, stabilization, purification, characterization, crystallization, isotopic labeling, and structure determination of unique and biologically significant membrane proteins by x-ray diffraction, nuclear magnetic resonance (NMR), electron microscopy, mass spectrometry, and other biophysical techniques are encouraged. Projects that will lead in the near term to determining the structures of biologically important membrane proteins are also encouraged. Responding to this FOA, rather than the regular investigator-initiated Research Project Grant (R01) FOA, will help NIH staff track interest and progress of research in this scientific area.
Amount: varies
LOI: N/R
Deadline: Standard Dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-228.html
Key Words:
Assay Development for High Throughput Screening for Nicotinic Receptor Subunits (R21)
RFA-DA-11-007
National Institute on Drug Abuse (NIDA)
This FOA seeks applications proposing to develop biological assays for constitutive receptor combinations involving α3, α5, α6, and/or β4 subunits, suitable ultimately for configuration as high throughput screening (HTS) assays. Once developed, these HTS-ready assays can, and will be expected to be, submitted for screening (http://grants.nih.gov/grants/guide/notice-files/NOT-RM-09-011.html) by the National Institutes of Health (NIH) Molecular Libraries Production Centers Network (MLPCN) to identify biologically active compounds in a large library of small molecule chemical structures. The chemical structures uncovered through development and use of these assays could then be used for selective ligand development and as possible lead molecules to guide drug discovery in the development of tobacco smoking cessation medications.
Amount: $150,000
LOI: December 18, 2010
Deadline: January 18, 2011
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-11-007.html
Key Words:

Structural Analyses of the Ligand-Binding Properties of Taste and Smell Receptors (R01)
PA-09-058
National Institute on Deafness and Other Communication Disorders (NIDCD)
This Funding Opportunity Announcement (FOA) issued by the National Institute on Deafness and Other Communication Disorders (NIDCD), encourages grant applications from institutions/organizations designed to foster innovative collaborative research to characterize the structural properties of taste and smell receptors. Additional emphasis is placed on the characterization of the interactions among odors, pheromones, and taste substances with their cognate receptors, and the identity of the critical ligand-receptor binding sites that determine sensitivity and selectivity. One aim of this FOA is to encourage collaborations among chemosensory molecular biologists and biochemists with expertise in the isolation and characterization of membrane proteins, and biophysicists familiar with crystallography, NMR and other analytical tools used in structural analyzes.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-058.html
Key Words: Cognate Receptors, Ligand-Receptor Binding, Pheromones, Taste, Odor

Proteomics in Auditory Developmental and Disease Processes (R01) and (R21)
PA-09-228 and PA-06-366
National Institute on Deafness and Other Communication Disorders (NIDCD)
This Funding Opportunity Announcement (FOA) issued by the National Institute on Deafness and Other Communication Disorders (NIDCD), National Institutes of Health (NIH) encourages R01 applications that focus on “Proteomics in Auditory Developmental and Disease Processes”.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Auditory, Development

Proteomics in Auditory Developmental and Disease Processes (R21)
PA-10-078
National Institute on Deafness and Other Communication Disorders (NIDCD)
The following examples are not meant to be comprehensive or restrictive, but rather represent projects relevant to the auditory system. Examples of projects responsive to this FOA include but are not limited to:
Proteomic analysis of specific cell types of the inner ear, other auditory pathways, and/or their subcellular structures.
Proteomic analysis of specific otocyst cell/tissue types through a variety of developing stages.
Comparative analysis between proteome and transcriptome of a defined auditory cell and/or tissue type; comparative determination between proteomic and transcriptome results.
Comparative analysis of infection state in middle ear tissue, cell type, in response to invasion with otitis media pathogens; comparative proteomic analysis of infectious pathogens involved in middle ear infections upon biofilm or infection stimulus.
Proteomic analysis of auditory genetic disorders, presbycusis, environmental noise or drug trauma; biological and/or clinical in design.
Proteomic analysis of native purified and/or in vitro propagated cultures of putative auditory progenitor cells; comparative studies of transdifferentiated/induced auditory cells and subtypes.
Use of proteomic approaches to study the signal transduction networks related to transcription factors, cell surface receptors, growth factors, and other biomarkers relevant to auditory development.
Proteomic identification of novel signaling molecules and pathways involved in cell development, differentiation, communication, function and destruction, as applied to auditory signaling processes.

Development of novel proteomic bioinformatics for annotating genomic and protein sequence information for auditory function.

Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-078.html
Key Words: Proteomics, High Throughput Technologies, Hearing

Identification and Characterization of Molecular Targets Within the mTOR Pathway With Potential to Impact Healthspan and Lifespan (R21)

PA-10-164
National Institute on Aging (NIA)
National Cancer Institute (NCI)
This FOA issued by the National Institute on Aging and the National Cancer Institute encourages grant applications focused on: 1) identifying novel targets within the mTOR (mammalian target of rapamycin) signaling network, the manipulation of which has the potential to promote healthy aging, i.e. extend health span in the aged (NIA interest); and 2) identifying and characterizing dietary constituents that modulate the mTOR pathway and promote cancer prevention (NCI interest). Identification and characterization of targets can utilize a wide range of approaches, including medicinal chemistry, in vitro assays, and studies in lower organisms or mammalian models.

Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-164.html
Key Words: Rapamycin, mTOR, Signaling Pathways, Dietary Modifiers of mTOR

Fiscal Year (FY) 2010 Measurement Science and Engineering Research Grants Programs

2010-MSE-01
National Institute of Standards and Technology
Program Description: The Chemical Science and Technology Laboratory (CSTL) Grants Program will provide grants and cooperative agreements consistent with the CSTL mission in the following fields of measurement science research, focused on reference methods, reference materials and reference data: Biochemical Science, Chemical and Biochemical Reference Data, Process Measurements, Surface and Microanalysis Science, Thermophysical Properties, and Analytical Chemistry. Financial support may be provided for conferences, workshops, or other technical research meetings that are relevant to the mission of the Chemical Science and Technology Laboratory.

Biochemical Science Division: DNA chemistry, sequencing; Protein structure, properties, and modeling; Biomaterials; Biocatalysis and bioprocessing measurements. The contact person for this division is Dr. Laurie Locascio, and she may be reached at, (301) 975-2129.

Amount: $200,000
LOI: N/R
Deadline: applications will be considered on a continuing basis
Key Words:

Collaborative Research for Molecular and Genomic Studies of Behavior in Animal Models (R01)

PA-10-125
National Institute of General Medical Sciences (NIGMS)
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
The purpose of this Funding Opportunity Announcement (FOA), issued by the National Institute of General Medical Sciences (NIGMS) and the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), National Institutes of Health, is to facilitate collaborative research, involving behavioral scientists and investigators with expertise in molecular biology and/or genomics, which addresses questions about the mechanisms of behavior in animal models. Applications from multiple PIs are encouraged.

Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-125.html
Key Words: Maternal Behavior, Social Development, Cognitive Development, Developmental Disability, Neuroimaging, Gene-Brain-Behavior Associations
Technology Development for Protein Modeling (P01) and (R01)
PAR-10-075 and PAR-10-076
National Institute of General Medical Sciences (NIGMS)
This FOA issued by the National Institute of General Medical Sciences (NIGMS), National Institutes of Health, encourages grant applications from institutions/organizations that propose to develop novel technologies that will significantly improve the accuracy of comparative modeling methods for protein structure prediction.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Protein Structure Prediction, Modeling, X-ray Crystallography, Protein Sequencing

Technology Development for High-Throughput Structural Biology Research (P01) and (R01)
PAR-10-074 and PAR-10-073
National Institute of General Medical Sciences (NIGMS)
This FOA issued by the National Institute of General Medical Sciences (NIGMS), National Institutes of Health, encourages grant applications from institutions/organizations that propose to develop novel technologies and methodologies underpinning high-throughput structural biology. Applications for new ideas and approaches for protein production and structure determination for classes of challenging proteins are appropriate. Projects related to high-throughput structure determination by X-ray crystallography and NMR, as well as projects addressing other constituent tasks of structural biology, including structural genomics, are relevant to this FOA.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: X-Ray Crystallography, NMR, Membrane Proteins, Small Protein Complexes

High-Throughput-Enabled Structural Biology Research (U01)
PAR-10-214
National Institute of General Medical Sciences (NIGMS)
This FOA encourages applications to establish partnerships between researchers interested in a biological problem of significant scope and researchers providing high-throughput structure determination capabilities through the NIGMS PSI:Biology network. Applicants to this FOA should propose work to solve a substantial biological problem for which the determination of many protein structures is necessary. The proteins should be amenable to high-throughput structure determination and/or should provide suitable targets to motivate new technology development. Awardee principal investigators will become part of the PSI:Biology Network Steering Committee and will work jointly with other investigators and NIH staff to manage the overall PSI:Biology initiative.
Amount: $2,500,000
LOI: Letters of Intent should be submitted 30 days before the anticipated receipt date.
Deadline: Standard dates apply
Key Words:

Centers for High-Throughput Structure Determination (U54)
RFA-GM-10-005
National Institute of General Medical Sciences (NIGMS)
This FOA solicits applications to establish Centers for High-Throughput Structure Determination that will become the backbone of the NIGMS PSI: Biology network for high-throughput-enabled structural biology. The centers must be able to provide capabilities for high-throughput structure determination on the order of those that have been developed during previous phases of the Protein Structure Initiative (PSI), e.g., ~ 200 structures per year deposited in the Protein Databank (PDB).
Amount: $40,000,000
LOI: September 28, 2011
Deadline: October 28, 2011
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-GM-10-005.html
Key Words: Protein Structure Determination, High-Throughput, Technology Development

Innovation in Molecular Imaging Probes (R01)
PAR-09-016
This FOA is issued by the National Institute of Biomedical Imaging and Bioengineering, National Institutes of Health. This FOA is a follow up of a previous Roadmap RFA (RM-04-021 “Innovation in Molecular Imaging Probes”). The purpose of this initiative is to encourage the development of novel molecular imaging approaches that can detect and image specific molecular activities in vivo, and have the potential for clinical applications. Novel molecular imaging approaches developed through this initiative can focus on one (or both) of the following long-term translational goals: (1) imaging the characteristic markers, and function, of normal cells in control subjects and patients, and (2) imaging the characteristic markers, and biochemical or physiological abnormalities, of disease cells in patients. Potential abnormalities that could provide early markers for disease include (but are not restricted to): inflammation, fibrosis, immune cell activation, altered signal transduction pathways, altered gene expression pathways, and altered post-translational modification of proteins. This initiative solicits applications that explore innovative “high-impact” approaches, rather than incremental technology development that is already supported by current NIH programs.

Amount: varies
LOI: August 21, 2010; April 20, 2011; August 21, 2011
Deadline: January 21, 2011; May 20, 2011; September 21, 2011
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-016.html
Key Words: Molecular Imaging Probes

Validation of Novel Therapeutic Targets for Huntington’s Disease (R01)
PAS-10-183
National Institute for Neurological Disorders and Stroke (NINDS)
The National Institute of Neurological Disorders and Stroke (NINDS) invites research project grant (R01) applications aimed at validating novel molecular targets for disease-modifying therapeutic intervention in Huntingtons disease. This FOA is for support of new projects, and not the continuation of projects that have already been initiated with NIH funding.

Amount: $1,000,000
LOI: 30 days prior to application due date
Deadline: Standard R01 dates
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAS-10-183.html
Key Words:

Computational Tool Development and Integrative Data Analysis for LINCS (U01)
RFA-RM-10-005
National Human Genome Research Institute (NHGRI)
National Heart Lung and Blood Institute (NHLBI)
This FOA encourages grant applications that would develop innovative computational tools and approaches for the integrative analysis of multiple types of data generated within the Library of Integrated Network-based Cellular Signatures (LINCS) program.

Amount: $500,000
LOI: January 22, 2011
Deadline: February 22, 2011
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-10-005.html
Key Words:

Prioritizing Molecular Targets for Cancer Prevention with Nutritional Combinations (R01)
PA-10-035
National Cancer Institute (NCI)
Office of Dietary Supplements (ODS)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), and the Office of Dietary Supplements (ODS), of the National Institutes of Health (NIH), invites research applications to enhance our understanding about the dynamic interrelationship that exists between bioactive food components (and/or combinations thereof) and cancer prevention. Although much evidence exists that dietary components are linked to cancer prevention, the interactions among dietary bioactive compounds and food combinations remains under-investigated. Applications are encouraged to consider either multiple dietary bioactive components, intact foods or multiple foods utilizing physiologically relevant concentrations of the agents. New genetic technologies may be employed to study the impact of dietary components on complex cellular and molecular networks, as part of the effort to better understand the basis for the multifaceted interactions of food components with cancer prevention mechanisms. Specifically, applications that apply new high-throughput genomic, epigenomic, proteomic, and metabolomic technologies to prioritize molecular targets of dietary components are highly encouraged. The sites of action that may be evaluated include carcinogen metabolism, DNA repair, cell proliferation, apoptosis, differentiation, hormonal regulation, energetics, inflammation, and/or angiogenesis. In addition, applications should either evaluate
multiple molecular targets within a cancer process or multiple processes in order to prioritize which process(es) is/are most involved in bringing about a phenotypic change. It is hoped that advances in this area may assist in optimizing cancer prevention while minimizing potential toxicity due to food components. The resulting information will help define which foods or food components should be considered in isolation or in combination when developing dietary strategies to reduce cancer risk and/or modify tumor behavior.

**Amount:** varies
**LOI:** N/R
**Deadline:** Standard dates apply
**To learn more:** [http://grants.nih.gov/grants/guide/pa-files/PA-10-035.html](http://grants.nih.gov/grants/guide/pa-files/PA-10-035.html)
**Key Words:** Dietary Components, Cancer Prevention

### Strategic Partnering to Evaluate Cancer Signatures [SPECS II] (U01)
**PAR-10-126**
**National Cancer Institute (NCI)**
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI) of the National Institutes of Health (NIH), encourages the submission of grant applications for support of the clinical application of multi-analyte molecular signatures derived from comprehensive molecular annotation of tumors. There is growing recognition in the clinical cancer research community that annotation of tumor specimens with data that integrates information about molecular alterations at the levels of DNA, RNA, and protein provides not only a more complete understanding of tumor biology but also provides a significant opportunity for developing new clinical tools to improve cancer treatment. Translating the knowledge gained from this molecular annotation into tools that can be used in clinical decision-making remains a major challenge. The purpose of this initiative is to build on recent demonstrations that molecular signatures correlate with important clinical parameters in cancer. The goal of this initiative is also to create publications and data sets that will be available and accessible to the scientific community in order to further the development, design, and conduct of future clinical trials (e.g., incorporation of molecular signatures into future clinical trials and large clinical validation studies) and to encourage appropriate commercialization to benefit the public health. The NCI invites investigators to form strategic partnerships that will bring together the multi-disciplinary expertise and resources needed to determine how the information derived from comprehensive molecular analyses can be used to improve patient care and, ultimately, patient outcomes.

**Amount:** varies
**LOI:** May 15, 2011, May 15, 2012
**Deadline:** June 15, 2011, June 15, 2012
**Key Words:** Molecular Signatures, Diagnostic Tools, Assessment

### Innovative Emerging Molecular Analysis Technologies (SBIR R43/R44)
**RFA-CA-10-013**
**National Cancer Institute (NCI)**
This Funding Opportunity Announcement (FOA) solicits grant applications from small business concerns (SBCs) proposing research towards commercial development of emerging molecular and/or cellular analytical technologies intended for cancer detection and/or characterization. The goal of this FOA is to facilitate the translation of innovative, cancer-relevant technologies into commercial products and/or services. The emphasis is on molecular analysis technologies to improve cancer prevention, detection and diagnosis, surveillance, epidemiological research, and basic cancer research. These technologies may be intended for molecular and cellular analyses in vitro, in situ, and/or in vivo. There must be sound rationale pointing to the commercial potential of the technology to be developed.

**Amount:** $300,000
**LOI:** January 8, 2011
**Deadline:** February 8, 2011
**Key Words:**

### Advanced Technologies for Detection of Perturbation-Induced Cellular Signatures (U01)
**RFA-RM-10-004**
**National Cancer Institute (NCI)**
This FOA encourages grant applications that propose to develop or substantially adapt technologies and methodologies designed to significantly improve the functionality, quality, scope, and/or throughput of perturbation-induced cellular signature data generation. The technologies generated through this FOA are anticipated to accelerate the rate of data generation and the range of signatures that can be identified and characterized by large scale high-throughput perturbation-induced signature collection efforts like The Library of Integrated Network-Based Cellular Signatures (LINCS).

**Amount:** $1,000,000
**LOI:** January 22, 2011
**Deadline:** February 22, 2011
**Key Words:**

Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Predoctoral Training Program in Systems Biology of Developmental Biology & Birth Defects (T32)

**PAR-10-193**

Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)

The National Institutes of Health (NIH) awards Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) to eligible institutions as the primary means of supporting predoctoral and postdoctoral research training to help ensure that a diverse and highly trained workforce is available to assume leadership roles related to the Nation’s biomedical, behavioral and clinical research agenda. The primary objective of the T32 program is to prepare qualified individuals for careers that have a significant impact on the health-related research needs of the Nation. This Funding Opportunity Announcement (FOA) issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) encourages applications for predoctoral NRSA T32s to provide research training in systems biology of developmental biology and/or structural birth defects research.

**Amount:** varies

**LOI:** April 25, 2011, April 25, 2012

**Deadline:** May 25, 2011, May 25, 2012


**Key Words:** Molecular Biology, Cell Biology, Genetics, Physiology, Physics, Bio-Mechanics, Imaging, Modeling, Bio-informatics, Quantitative Analysis of High Throughput data

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**Advances in Bioscience for Airmen Performance**

**BAA-09-02-RH**

Air Force Research Laboratory, Human Effectiveness Directorate, Biosciences and Performance Division (AFRL/RHP)

The 711th Human Performance Wing, Human Effectiveness Directorate is soliciting white papers under this announcement for innovative science and technology projects to support advanced bioscience research. Specifically, the Biosciences and Performance Division is seeking unique and innovative research concepts that address its technical mission areas. Research is sought primarily in the following four technical areas: 1) Applied Biotechnology, 2) Biobehavioral Performance, 3) Biomechanics, and 4) Counter proliferation.

1) **Applied Biotechnology** - Goal is to develop and exploit advances in biotechnology and associated nanotechnologies to enhance performance and situational awareness of the force.

2) **Biobehavioral Performance** – Goal is to develop bio-based methods and techniques to sustain and optimize airmen’s cognitive performance.

3) **Vulnerability Analysis** – Goal is to rapidly identify human threat conditions, and sustain/expand Airmen performance in stressful environments. It includes research in physical and physiological biosignatures, neuroscience, anthropometry, biomechanics, human modeling, database networking, and data mining.

4) **Counter proliferation** – Goal is to improve the Air Force’s ability to locate, identify, track, target, and destroy biological warfare agents (BWA) and other weapons of mass destruction (WMD), as well as anticipate and mitigate WMD effects on AF operations.

**Amount:** Cost Plus

**LOI:** White Papers accepted until September 30, 2014

**Deadline:**

To learn more: [https://www.fbo.gov/index?s=opportunity&mode=form&id=411797fccc2260cb5d9ed346b3c139a4b&tab=core&cview=1&ck=1&au=&ckz=](https://www.fbo.gov/index?s=opportunity&mode=form&id=411797fccc2260cb5d9ed346b3c139a4b&tab=core&cview=1&ck=1&au=&ckz=)

**Key Words:** Gene Expression Balance, Protein Expression Patterns, Phenotypic Patterns, Biomarker Signatures, Cognitive Performance

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**Therapies and Therapeutics**


**PAS-08-041**

NIH

The National Institute on Drug Abuse (NIDA) invites research applications aimed at design, synthesis, and preclinical testing of potential treatment agents for drug addiction and/or relapse prevention. Recent advances in molecular neurobiological mechanisms underlying drug addiction provide a basis for development of new therapeutic targets and chemical entities to treat and prevent relapses of drug addiction.

**Amount:** $150,0000

**LOI:** N/R

**Deadline:** multiple, see link; continuous

Lab to Marketplace: Tools for Brain and Behavioral Research (SBIR [R43/R44])
PA-08-071
NIH
The NIH Blueprint for Neuroscience Research is a framework to enhance cooperative activities among the NIH Office of the Director and 15 NIH Institutes and Centers that support research on the nervous system. This Funding Opportunity Announcement (FOA) is released in affiliation with the Neuroscience Blueprint, with Institutes and Centers participating independently, and with participation by Institutes and Centers that are not part of the Blueprint. This FOA encourages the translation of technologies for brain or behavioral research from academic and other non-small business research sectors to the marketplace. Solicited from Small Business Concerns (SBCs) are Small Business Innovation Research (SBIR) grant applications that propose to further develop, make more robust, and make more user-friendly such technologies in preparation for commercial dissemination. It is expected that this activity will require partnerships and close collaboration between the original developers of these technologies and SBCs, which may be accomplished in any of a number of ways, including the use of multiple principle investigators.
Amount: varies
LOI: N/R
Deadline: continuous, see listing
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-071.html

Long Acting, Sustainable Therapies of Opiate Addiction (R01)
PAS-08-061
NIDA
This Funding Opportunity Announcement (FOA) issued by the National Institute on Drug Abuse, National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/organizations that propose the development of sustained pharmacotherapies and behavioral treatments to reduce the risk of contraction and transmission of HIV. Specifically, this FOA supports applications directed at the development of (1) heroin/morphine-protein conjugates (heretofore referred to as heroin/morphine conjugate vaccines or HCVs) for the treatment of opiate addiction, (2) clinical systems for the application of currently available long-acting (30-day or longer sustained-release) dosage forms for opiate pharmacotherapies to optimize these sustained pharmacotherapies to effect the reduction of the risk for acquisition and transmission of HIV, and (3) effective clinical treatment modalities, including behavioral treatment in conjunction with pharmacotherapies, to improve the effectiveness of opiate treatment and reduce the risk behaviors associated with transmission of HIV. Clinical studies should include the assessment of HIV risk behaviors as an outcome measure.
Amount: $400,000
LOI: N/R
Deadline: multiple, see link
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAS-08-061.html

Transdisciplinary Research on Fatigue and Fatigability in Aging (R21) [PA-08-161]
PA-08-161 and PA-08-162
National Institute on Aging
National Cancer Institute
National Institute of Nursing Research
Office of Dietary Supplements
Office of Research on Women's Health
The purpose of this funding opportunity announcement (FOA) is to encourage submission of exploratory or developmental research applications on fatigue and fatigability in aging. This FOA is intended to promote research studies employing transdisciplinary approaches that could lead to increased understanding of mechanisms contributing to, assessment of, or potential interventions for, increased fatigue or fatigability in older persons. This FOA is soliciting applications of an exploratory or developmental nature in order to stimulate new ideas, techniques, or approaches. Applications responsive to this announcement are not required to contain preliminary data, though such data may be included if available. Both animal models and humans are appropriate for study under this FOA.
Amount: limited to $275,000 over an R21 two-year period,
LOI: N/R
Deadline: multiple dates, see announcement

Key Words:
Alzheimer's Disease Drug Development Program (U01)
PAR-08-266
National Institute on Aging (NIA)
The objective of this solicitation is to stimulate research in the pre-clinical development and testing of novel therapeutic compounds aimed at slowing, halting, or reversing the progressive decline in cognitive function and modifying the behavioral symptoms in Alzheimer's disease (AD); or delaying the onset of or preventing AD, mild cognitive impairment (MCI), or age-related cognitive decline. This initiative is intended to stimulate activities focused on providing sufficient data to submit an Investigational New Drug (IND) application to the Food and Drug Administration to begin human clinical testing of potential new therapies. For this program neither mechanistic/basic studies nor clinical trials will be supported; only applications to develop a therapy will be accepted.
Amount: $4,000,000
LOI: January 3, 2011, February 1, 2011, September 1, 2011 and October 3, 2011. (Note: The October and February letters of receipt dates are for amended applications only).
Deadline: February 1, 2011, March 1, 2011, October 1, 2011 and November 1, 2011. (Note: The November and March receipt dates are for amended applications only).
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-266.html
Key Words: Alzheimer's Disease, Cognitive Function, Cognitive Impairment

Optimization of Small Molecule Probes for the Nervous System (STTR [R41]) and (SBIR [R43])
PAR-09-259 and PAR-09-260
National Institute of Neurological Disorders and Stroke (NINDS)
National Eye Institute (NEI)
National Institute on Aging (NIA)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute on Drug Abuse (NIDA)
This Funding Opportunity Announcement (FOA) encourages Small Business Technology Transfer (STTR) grant applications from small business concerns (SBCs) that propose to develop new small molecule probes for investigating biological function in the nervous system via the application of advanced medicinal chemistry and the biological testing of compounds. Eligible SBCs will have identified probe candidates via screening of small molecule collections, using in vitro assays of biological activity developed to interrogate these collections, and be able to show that the structural features of these small molecules are related to their biological activity. Applications should nominate small molecule probe candidates from distinct structural series for the further, iterative design and testing of analogues in structure-activity relationship studies, using in vitro assays of biological function adapted to the medium throughput screening requirements of this work. These studies should have the goal of developing a small molecule probe possessing the attributes (eg: affinity, selectivity, activity) required for its use in future pharmacological studies proposed by the SBC. Applicants are strongly encouraged to utilize publicly available cheminformatic capabilities for the acquisition of compounds, and semi-custom synthesis of analogues, which is required of these studies.
Amount: $300,000
LOI: N/R
Deadline: Standard dates apply
Key Words: Small Molecule Probes

NINDS Cooperative Program in Translational Research – Single-Component Research Projects (U01)
PAR-08-233
National Institute of Neurological Disorders and Stroke (NINDS)
The goal of this funding opportunity announcement (FOA) is to support pre-clinical development and testing of new therapies for neurological disorders. The program will facilitate solicitation, development, and review of therapy-directed projects to accelerate the translation of basic research discoveries into therapeutic candidates for clinical testing. This program is specifically directed at projects that include therapeutic leads with demonstrated activity against the intended disease target. The program supports pre-clinical optimization and testing of these leads and projects must be sufficiently advanced that an IND or IDE application to the FDA can be submitted by the end of the project period. The program does not support early-stage therapeutic discovery activities such as high throughput screening. The program also excludes clinical research, basic research, and studies of disease mechanism. This is a milestone-driven cooperative agreement program involving participation of NINDS staff in the development of the project plan and monitoring of research progress.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-233.html
Key Words: Clinical translational, neurology, neurological disorders
NINDS Cooperative Program in Translational Research - Multi-Component Research Projects (U54)
PAR-08-234
National Institute of Neurological Disorders and Stroke (NINDS)
The goal of this Funding Opportunity Announcement (FOA) is to support preclinical development and testing of new therapies for neurological disorders. The program will facilitate solicitation, development, and review of therapy-directed projects to accelerate the translation of basic research discoveries into therapeutic candidates for clinical testing. This program is specifically directed at projects that include therapeutic leads with demonstrated activity against the intended disease target. The program does not support early-stage therapeutic discovery activities such as high-throughput screening. The program also excludes clinical research, basic research, and studies of disease mechanism. This is a milestone-driven cooperative agreement program involving participation of NINDS staff in the development of the project plan and monitoring of research progress.
Amount: varies
LOI: N/R
Deadline: Standard dates apply (January 25, May 25, and September 25. AIDS application submission dates are May 7, September 7, and January 7)
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-234.html
Key Words: Neurological Disorders, Neurology, Neuroscience, Clinical translational

NINDS Cooperative Program in Translational Research - Resource Centers (U24)
PAR-08-236
National Institute of Neurological Disorders and Stroke (NINDS)
The goal of this Funding Opportunity Announcement (FOA) is to implement a program of cooperative agreements that will support milestone-driven, resource-related projects focused on providing products and services that are required for the preclinical testing of new therapeutics, and that are specific to neurology.
Amount: N/R
Deadline: Standard dates apply (May 25, and September 25. AIDS application submission dates are May 7, September 7, and January 7)
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-236.html
Key Words: Neurological Disorders, Neurology, Neuroscience, Clinical translational

NINDS Exploratory/Developmental Projects in Translational Research for Resistant Epilepsy and Epileptogenesis (R21)
PAR-10-143
National Institute of Neurological Disorders and Stroke (NINDS)
This funding opportunity announcement (FOA), from the National Institute of Neurological Disorders and Stroke (NINDS) encourages applications for projects intended to complete preliminary steps in the pipeline for the preclinical development of therapeutics to cure epilepsy, prevent the emergence of epilepsy following brain injury (including status epilepticus, traumatic brain injury, stroke, encephalitis, or other injury) or in other high-risk groups, or to better treat individuals with intractable epilepsy. Such projects, if successful, should lead directly to a subsequent project that will include all remaining activities for submission of an Investigational New Drug (IND) or Investigational Device Exemptions (IDE) application to the Food and Drug Administration (FDA). Only Aims required for therapy development can be supported in this program. This program excludes clinical research, basic research, and studies of disease mechanisms.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-143.html
Key Words: Epilepsy

NINDS Cooperative Program in Translational Research for Resistant Epilepsy and Epileptogenesis (U01)
PAR-10-144
National Institute of Neurological Disorders and Stroke (NINDS)
The goal of this funding opportunity announcement (FOA), from the National Institute of Neurological Disorders and Stroke (NINDS) is to support preclinical development of new therapies to cure epilepsy, prevent the emergence of epilepsy following brain injury (including status epilepticus, traumatic brain injury, stroke, encephalitis, or other injury) or in other high-risk groups, or to better treat individuals with intractable epilepsy. The program will facilitate solicitation, development, and review of therapy-directed projects to accelerate the translation of basic research discoveries into therapeutic candidates for clinical testing. This program is specifically directed at projects that include therapeutic leads with demonstrated activity against the intended disease target. The program supports preclinical optimization and testing of these leads and projects must be sufficiently advanced that an IND or IDE application to the FDA can be submitted by the end of the project period. The program does not support early-stage therapeutic discovery activities such as high throughput screening. The program also excludes clinical research, basic research, and studies of disease mechanism. This is a
milestone-driven cooperative agreement program involving participation of NIH staff in the development of the project plan and
monitoring of research progress.

Amount: varies
LOI: 30 days prior to each submission date
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-144.html
Key Words: Epilepsy

Collaborative R34s for Pilot Studies of Innovative Treatments in Mental Disorders (Collaborative R34)
PA-09-075
National Institute of Mental Health (NIMH)
National Center for Complementary and Alternative Medicine
This Funding Opportunity Announcement (FOA), issued by the National Institute of Mental Health (NIMH) and the National Center for Complementary and Alternative Medicine (NCCAM), seeks to support collaborative preliminary intervention studies to evaluate the feasibility, tolerability, acceptability and safety of novel mechanism drug candidates, promising investigational new drugs (INDs), or novel psychosocial strategies for the treatment of mental disorders and for obtaining the preliminary data needed as a pre-requisite to larger-scale (efficacy or effectiveness) intervention or services studies. This FOA should be used when at least two but no more than three sites are needed to complete the study. The collaborating studies should be organized in order to increase sample size, accelerate recruitment, and/or increase sample diversity and representation. For a linked set of collaborative R34s, each site shall have its own Project Director/Principal Investigator and provide for a mechanism for cross-site coordination, quality control, database management, statistical analysis, and reporting.

Amount: $450,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-075.html
Key Words: Mental Disorders, Drug Therapy

Pilot Intervention and Services Research Grants (R34)
PAR-09-173
National Institute of Mental Health (NIMH)
The purpose of this Funding Opportunity Announcement (FOA) is to encourage research on 1) the development and/or pilot testing of new or adapted interventions, 2) the adaptation and/or pilot testing of interventions with demonstrated efficacy for use in broader scale effectiveness trials, or 3) innovative services research directions that require preliminary testing or development. The R34 award mechanism provides resources for evaluating the feasibility, tolerability, acceptability and safety of novel approaches to improving mental health and modifying health risk behavior, and for obtaining the preliminary data needed as a pre-requisite to a larger-scale (efficacy or effectiveness) intervention or services study. NIMH intervention and services research is aimed at preventing or ameliorating mental disorders, emotional or behavioral problems, the co-occurrence of mental, physical and substance abuse problems, HIV infections, and the functional consequences of these problems across the life span.

Amount: $450,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-173.html
Key Words: Health Risk Behavior, Mental Health Treatment

Development and Validation of Disease Biomarkers (R01)
PA-09-204
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) (http://www2.niddk.nih.gov)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute of Nursing Research (NINR)
Office of Dietary Supplements (ODS)
This Funding Opportunity Announcement (FOA) issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), the National Institute on Alcohol Abuse and Alcoholism (NIAAA), the National Institute of Nursing Research (NINR), and the Office of Dietary Supplements (ODS) of the National Institutes of Health, will provide resources to validate candidate biomarkers for well-defined human diseases of the liver, kidney, urological tract, and digestive and hematologic systems, as well as endocrine and metabolic disorders, diabetes and its complications, and obesity, for which there are no or very few biomarkers, or for which standard biomarkers are currently prohibitively invasive or expensive. A biomarker is an indicator of a disease process, and could replace hard clinical end points as a measure of the effect of new therapies. Appropriate studies will validate candidate biomarkers in well-defined patient populations, provide new technologies to monitor biomarkers or establish reliable assays for validated markers. Progress in this area has the potential to advance translational research related to efficacy of treatments and bio-behavioral interventions. This FOA is not appropriate for biomarker discovery projects.
National Cancer Institute Program Project (P01) Applications
PAR-09-025
National Cancer Institute (NCI)
With this Funding Opportunity Announcement (FOA), the National Cancer Institute (NCI) invites applications for investigator-initiated program project (P01) grants. Proposed program projects may address any of the broad areas of cancer research, including (but not limited to) cancer biology, cancer treatment, cancer diagnosis, cancer prevention, and cancer control. Basic, translational, clinical, and/or population-based studies in all of these research areas are appropriate. Each Program Project application must consist of at least three component projects. The component projects must share a common central theme, focus, and/or overall objective.
Amount: varies
LOI: December 28, 2010; April 30, 2011; August 28, 2011
Deadline: January 28, 2011; May 27, 2011; September 28, 2011
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-025.html
Key Words: Cancer, Cancer Biology, Clinical Translational Research

Mitochondria in Cancer Epidemiology, Detection, Diagnosis and Prognosis (R01) [PA-08-143] and (R21) [PA-08-144]
PA-08-143 and PA-08-144
National Cancer Institute
This funding opportunity announcement (FOA) encourages Research Project Grant (R01) applications that propose to develop and validate new mitochondrial-related biomarkers for cancer early detection, diagnosis, prognosis, risk assessment, and response to preventive and ameliorative treatments.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Biomarkers, Translational Research, Therapies

Department of Defense Spinal Cord Injury Research Program
Clinical Trial Award - Rehabilitation
Translational Research Partnership Award
Investigator-Initiated Research Award
Investigator-Initiated Focused Research Award
W81XWH-10-SCIRP-CTA-R
W81XWH-10-SCIRP-IIRA
W81XWH-10-SCIRP-QRA
W81XWH-10-SCIRP-TRPA
Department of Defense (DOD)
Congressionally Directed Medical Research Programs (CDMRP)
The Fiscal Year 2010 (FY10) Defense Appropriations Act provides $11.25 million to the Department of Defense (DOD) Spinal Cord Injury Research Program (SCIRP) to promote innovative research into regenerating damaged spinal cords, arthritis research, and improving rehabilitation therapies that offer real promise for enhancing long-term care of wounded soldiers. The SCIRP challenges the scientific community to design innovative research that will foster new directions for and address neglected issues in the field of SCI-focused research.
The vision of the SCIRP is to advance the understanding of spinal cord injury and ameliorate its consequences. This program is administered by the US Army Medical Research and Materiel Command through the Office of the Congressionally Directed Medical Research Programs (CDMRP).
Amount: varies with mechanism
LOI: August 5, 2010
Deadline: December 1, 2010
To learn more: http://cdmrp.army.mil/funding/scirp.shtml
Key Words:
Pilot and Feasibility Awards
Research Grants
LeRoy Matthews Physician/Scientist Award and the Harry Shwachman Clinical Investigator Award

Cystic Fibrosis Foundation Therapeutics, Inc. (CFFT)
The CF Foundation (CFF) offers competitive awards for research related to cystic fibrosis. Studies may be carried out at the subcellular, cellular, animal, or patient levels. Two of these funding mechanisms include Pilot and Feasibility Awards and Research Grants. Since these applications are reviewed by the CFF’s Research and Research Training Committee, those proposals that include methodologies requiring sampling of materials from human subjects will only be considered under this mechanism if the sampling method constitutes minimal patient risk (e.g., venipuncture) and patient samples or data are anonymous.

For applications where more invasive procedures are proposed or where patient samples or data will not be anonymous, please submit a Letter of Intent for a Clinical Research Award.

Also, the CF Foundation offers physician-scientist training awards, including the LeRoy Matthews Physician/Scientist Award and the Harry Shwachman Clinical Investigator Award.

Amount: varies
LOI: the CF Foundation will consider NIH applications that have received a competitive score but missed the payline under the CFF/NH-unfunded award mechanism. These applications are accepted on an on-going basis.
Deadline: first Wednesday in September
To learn more: [http://www.cff.org/research/ForResearchers/FundingOpportunities/ResearchGrants/](http://www.cff.org/research/ForResearchers/FundingOpportunities/ResearchGrants/)
Key Words: Cystic Fibrosis

Training and Fellowships

Robert Wood Johnson Foundation Executive Nurse Fellows

New
Robert Wood Johnson Foundation (RWJF)
The RWJF Executive Nurse Fellows program is a three-year advanced leadership program for nurses who aspire to lead and shape health care locally and nationally. Fellows strengthen their leadership capacity through the application of 20 competencies that improve their abilities to lead teams and organizations in improving health and health care.

Amount: $35,000
LOI: November 5, 2010 Informational Applicant Web conference, registration required; LOI N/R
Deadline: January 18, 2011
To learn more: [http://www.rwjf.org/applications/solicited/cfp.jsp?ID=21144&cid=XEM_205591](http://www.rwjf.org/applications/solicited/cfp.jsp?ID=21144&cid=XEM_205591)
Key Words:

Midwest Affiliate Research Awards

New
American Heart Association
Predoctoral Fellowship
Helps students initiate careers in cardiovascular and stroke research by providing research assistance and training.
Undergraduate Student Research Fellowship
Encourages promising students from all disciplines, including women and members of minority groups underrepresented in the sciences, to consider research careers while supporting the highest quality scientific investigation broadly related to cardiovascular disease and stroke.
Fellow-to-Faculty Transition Award
Provides funding for trainees with outstanding potential for careers as physician-scientists in cardiovascular or stroke research during the crucial career development from the completion of research training through the early years of the first faculty/staff position.
Postdoctoral Fellowship
Helps trainees initiate careers in cardiovascular and stroke research while obtaining significant research results under the supervision of a sponsor or mentor; supports individuals before they are ready for some stage of independent research.
Scientist Development Grant
Supports highly promising beginning scientists in their progress toward independence by encouraging and adequately funding research projects that can bridge the gap between completion of research training and readiness for successful competition as an independent investigator.
Grant-In-Aid
Encourages and adequately funds the most innovative and meritorious research projects from independent investigators.

Amount: varies
LOI: N/R
Deadline: January 21, 2011; February 8, 2011 for Undergraduate Student Fellowship Program
To learn more: [http://www.americanheart.org/presenter.jhtml?identifier=9713](http://www.americanheart.org/presenter.jhtml?identifier=9713)
Key Words:
Mentored Research Scientist Research Career Development Award (K01)
PAR-09-087
Office of Extramural Research, Education and Priority Populations (OEREP)
The primary purpose of the AHRQ Mentored Research Scientist Research Career Development Awards (K01) program is to prepare qualified individuals for careers that have a significant impact on the quality, safety, efficiency, and effectiveness of health care for all Americans. This program represents the continuation of an AHRQ program that provides support and “protected time” to individuals with a research doctoral degree for an intensive, supervised research career development experience in health services research. The K01 award can be used both by individuals who propose to newly embark in health services research training and those who had a hiatus in their research careers because of illness or family circumstances. The K01 award is also available to promote research workforce diversity by providing enhanced research career development opportunities.
Amount: varies
LOI: N/A
Deadline: Standard dates apply
Key Words: Health Services Research

Ruth L. Kirschstein National Research Service Awards (NRSA) for Individual Senior Fellows (F33)
PA-09-211
NIH multiple agencies
The National Institutes of Health (NIH) awards individual senior level research training fellowships to experienced scientists who wish to make major changes in the direction of their research careers or who wish to broaden their scientific background by acquiring new research capabilities as independent investigators in research fields relevant to the missions of participating NIH Institutes and Centers.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: [http://grants.nih.gov/grants/guide/pa-files/PA-09-211.html](http://grants.nih.gov/grants/guide/pa-files/PA-09-211.html)
Key Words: Fellowships, Senior Fellows

Ruth L. Kirschstein National Research Service Awards (NRSA) for Individual Postdoctoral Fellows (F32)
PA-09-210
NIH multiple agencies
The purpose of this individual postdoctoral research training fellowship is to provide support to promising Fellowship Applicants with the potential to become productive, independent investigators in scientific health-related research fields relevant to the missions of participating NIH Institutes and Centers.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Fellowships, Post-doc

NCI Transition Career Development Award to Promote Diversity (K22)
PAR-08-047
NCI
This Funding Opportunity Announcement (FOA) represents the continuation of an NCI program to make possible the diversification of the cancer research workforce via facilitation of the transition of investigators from minority groups underrepresented in biomedical research, primarily those with clinical doctoral degrees as well as those with doctoral degrees working in the areas of cancer prevention, control, behavioral, or population science research, from the mentored stage of career development in academic cancer research to the independent stage. This goal is achieved by providing protected time through salary and research support for 3 years to: postdoctoral individuals or junior faculty in mentored positions transitioning into their first independent position; and investigators within the first 2 years of their first independent cancer research position, to initiate and develop their independently-supported cancer research programs.
Amount: 3 years of salary (up to $75,000 per annum plus fringe benefits) and research support up to $50,000 per annum.
LOI: N/R
Deadline: multiple, see listing
Key Words:
**Doctoral Dissertation Improvement Grants in the Directorate for Biological Sciences**  
**NSF 08-564**  
National Science Foundation  
The National Science Foundation awards Doctoral Dissertation Improvement Grants in selected areas of the biological sciences. These grants provide partial support of doctoral dissertation research to improve the overall quality of research. Allowed are costs for doctoral candidates to participate in scientific meetings, to conduct research in specialized facilities or field settings, and to expand an existing body of dissertation research.  
**Amount:** varies  
**LOI:** N/R  
**Deadline:** Third Friday in November, Annually  
**Key Words:** Biological Sciences, Biomedical Research Resources, Biomedical Research Training, Health and Medicine

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**NLM Independent Career Development Award for Biomedical Informatics (K22)**  
**PAR-10-195**  
National Library of Medicine (NLM)  
The purpose of the NLM Independent Career Development Award for Biomedical Informatics (K22) program is to facilitate the transition of investigators from the mentored to the independent stage of their careers by providing "protected time" for newly independent investigators to develop and receive support for their initial research programs. The award applies to biomedical informaticians who are pursuing research in clinical informatics, public health informatics or translational informatics. Preference will be given to candidates who received their informatics training at one of NLMs university-based training programs in biomedical informatics.  
**Amount:** $405,000  
**LOI:** N/R  
**Deadline:** Standard dates apply  
**Key Words:**

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**Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellows (Parent F31)**  
**PA-10-108**  
National Institutes of Health (NIH)  
Multiple Institutes  
The purpose of this individual predoctoral research training fellowship is to provide support for promising doctoral candidates who will be performing dissertation research and training in scientific health-related fields relevant to the missions of the participating NIH Institutes and Centers (ICs) during the tenure of the award. Mechanism of Support. This FOA will utilize the NIH Ruth L. Kirschstein Individual Predoctoral National Research Service Award (NRSA) award mechanism (F31).  
**Amount:** varies  
**LOI:** N/R  
**Deadline:** Standard dates apply  
**Key Words:** Aging, Substance Abuse, Communications Disorders, Dental and Craniofacial Research, Mental Health, Neurological Disorders, Stroke, CAM

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**Mentored Clinical Scientist Research Career Development Award (Parent K08)**  
**PA-10-059**  
National Institutes of Health (NIH)  
multiple institutes  
The primary purpose of the NIH Mentored Clinical Scientist Research Career Development Awards (K08) program is to prepare qualified individuals for careers that have a significant impact on the health-related research needs of the Nation. This program represents the continuation of a long-standing NIH program that provides support and protected time to individuals with a clinical doctoral degree for an intensive, supervised research career development experience in the fields of biomedical and behavioral research, including translational research. Individuals with a clinical doctoral degree interested in pursuing a career in patient-oriented research should refer to the NIH Mentored Patient-Oriented Research Career Development Award (Parent K23).  
**Amount:** varies  
**LOI:** N/R  
**Deadline:** Standard dates apply  
**Key Words:** K Awards, Clinical
Academic Career Award (Parent K07)
PA-10-058
National Institutes of Health (NIH)
multiple institutes
The purpose of the NIH Academic Career Award (K07) is to provide support to increase the pool of individuals with academic and research expertise to become academic researchers and to enhance the educational or research capacity at the grantee sponsoring grantee institution. The Academic Career Award supports K07 Development awards for more junior level candidates and K07 Leadership awards for more senior individuals with acknowledged scientific expertise and leadership skills.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-058.html
Key Words: K Awards

Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellowships to Promote Diversity in Health-Related Research (Parent F31 - Diversity)
PA-10-109
National Institutes of Health (NIH)
Multiple Institutes
The purpose of this individual predoctoral research training fellowship is to improve the diversity of the health-related research workforce by supporting the training of predoctoral students from groups that have been shown to be underrepresented. Such candidates include individuals from underrepresented racial and ethnic groups, individuals with disabilities, and individuals from disadvantaged backgrounds.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Cancer, Eye Diseases, Heart, Lung, Blood, Genome Research, Aging, Substance Abuse, Allergy, Infectious Disease, Arthritis, Musculoskeletal Diseases, Skin Diseases, Bioimaging, Bioengineering, Child Health, Communication Disorders, Dental and Craniofacial Research, Diabetes, Digestive and Kidney Diseases, Environmental Health, General Medicine, Neurological Disorders, Stroke, Nursing, CAM

Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral MD/PhD and Other Dual Doctoral Degree Fellows (Parent F30)
PA-10-107
National Institutes of Health (NIH)
Multiple Institutes
The purpose of the Ruth L. Kirschstein National Research Service Awards (Kirschstein-NRSA) is to provide support to individuals for combined MD/PhD and other dual doctoral degree training (e.g. DO/PhD, DDS/PhD, AuD/PhD). The participating Institutes award this Kirschstein-NRSA individual fellowship (F30) to qualified applicants with the potential to become productive, independent, highly trained physician-scientists and other clinician-scientists, including patient-oriented researchers in their scientific mission areas. This funding opportunity supports individual predoctoral F30 fellowships with the expectation that these training opportunities will increase the number of future investigators with both clinical knowledge and skills in basic, translational or clinical research.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Aging, Substance Abuse, Communications Disorders, Dental and Craniofacial Research, Diabetes, Digestive and Kidney Disease, Environmental Health Sciences, Mental Health

Ruth L. Kirschstein National Research Service Awards (NRSA) for Individual Postdoctoral Fellows (Parent F32)
Individual Senior Fellows (Parent F33)
PA-10-110 and PA-10-111
National Institutes of Health (NIH)
Multiple Institutes
The purpose of this individual postdoctoral research training fellowship is to provide support to promising Fellowship Applicants with the potential to become productive, independent investigators in scientific health-related research fields relevant to the missions of participating NIH Institutes and Centers.
Amount: varies
Independent Scientist Award (Parent K02)
PA-10-057
National Institutes of Health (NIH)
multiple institutes
The purpose of the NIH Independent Scientist Award (K02) is to foster the development of outstanding scientists and enable them to expand their potential to make significant contributions to their field of research. The K02 award provides three, four, or five years of salary support and protected time for newly independent (see IC provisions) scientists who can demonstrate the need for a period of intensive research focus as a means of enhancing their research careers. Each independent scientist career award program must be tailored to meet the individual needs of the candidate. Prospective candidates are encouraged to contact the relevant Institute or Center (IC) staff for IC-specific programmatic and budgetary information: Table of Institute and Center Contacts.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-057.html
Key Words: K Awards

Midcareer Investigator Award in Patient-Oriented Research (Parent K24)
PA-10-061
National Institutes of Health (NIH)
multiple institutes
The purpose of the NIH Midcareer Investigator Award in Patient-Oriented Research (K24) is to provide support to mid-career health-professional doctorates or equivalent who are typically at the Associate Professor level or the equivalent (see Section III. Eligible Individuals) for protected time to devote to patient-oriented research (POR) and to act as research mentors primarily for clinical residents, clinical fellows and/or junior clinical faculty.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-061.html
Key Words: K Awards

NIH Pathway to Independence Award (Parent K99/R00)
PA-10-063
National Institutes of Health (NIH)
multiple institutes
The primary purpose of the Pathway to Independence Award (K99/R00) program is to increase and maintain a strong cohort of new and talented NIH-supported independent investigators. The program is designed to facilitate a timely transition from a mentored postdoctoral research position to a stable independent research position with independent NIH or other independent research support at an earlier stage than is currently the norm.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-063.html
Key Words: K Awards

NIH Support for Conferences and Scientific Meetings (Parent R13/U13)
PA-10-071
National Institutes of Health (NIH)
multiple institutes
The purpose of the NIH Research Conference Grant Program (R13 and U13) is to support high quality conferences/scientific meetings that are relevant to the scientific mission of the NIH and to the public health. A conference/scientific meeting is defined as a gathering,
symposium, seminar, scientific meeting, workshop or any other organized, formal meeting where persons assemble to coordinate, exchange, and disseminate information or to explore or clarify a defined subject, problem, or area of knowledge. Each NIH Institute and Center (IC) has a scientific purview and different program goals and initiatives that evolve over time.

Amount: varies
LOI: Advance permission to submit an application must be requested early in the process and no later than 6 weeks before the application submission date. The letter from the NIH documenting advance permission must be included in the Cover Letter component of
Deadline: Standard dates apply
Key Words: Conference, Meeting

Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) and (T35)
PA-10-036 and PA-10-037
National Institutes of Health (NIH)
multiple institutes
The National Institutes of Health (NIH) will award Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) to eligible institutions as the primary means of supporting predoctoral and postdoctoral research training to help ensure that a diverse and highly trained workforce is available to assume leadership roles related to the Nation’s biomedical, behavioral and clinical research agenda. The primary objective of the T32 program is to prepare qualified individuals for careers that have a significant impact on the health-related research needs of the Nation. This program supports predoctoral and postdoctoral research training programs (including those with short term research training) at domestic institutions of higher education with the T32 funding mechanism. Note that programs solely for short-term research training should not apply to this announcement, but rather the separate (T35) NRSA Short-Term Institutional program exclusively reserved for predoctoral and/or postdoctoral level short-term research training programs
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Health Related Research, Predoctoral, Postdoctoral

Mentored Research Scientist Development Award (Parent K01)
PA-10-056
National Institutes of Health (NIH)
multiple institutes
The purpose of the NIH Mentored Research Scientist Development Award (K01) is to provide support and protected time (three, four, or five years) for an intensive, supervised career development experience in the biomedical, behavioral, or clinical sciences leading to research independence. Although all of the participating NIH Institutes and Centers (ICs) use this support mechanism to support career development experiences that lead to research independence, some ICs use the K01 award for individuals who propose to train in a new field or for individuals who have had a hiatus in their research career because of illness or pressing family circumstances. Other ICs utilize the K01 award to increase research workforce diversity by providing enhanced research career development opportunities. Prospective candidates are encouraged to contact the relevant NIH staff for IC-specific programmatic and budgetary information: Table of Institute and Center Contacts.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: K Awards

Scientific Meetings for Creating Interdisciplinary Research Teams in Basic Behavioral and Social Science Research (R13)
RFA-CA-10-017
National Institutes of Health (NIH)
multiple institutes
This funding opportunity announcement (FOA) solicits Research Conference Grant (R13) applications for scientific meetings aimed at building interdisciplinary research teams in basic behavioral and social science research (b-BSSR). Applicants must propose developmental activities (i.e., meetings/workshops) that will build the capacity of interdisciplinary teams to accelerate, expand, and/or strengthen fundamental knowledge in b-BSSR as relevant to the Nation’s health and well-being. Proposed interdisciplinary teams must include at least one investigator from the basic social and/or behavioral sciences, and must include investigators from at least one additional discipline. Applicants are encouraged to either: (1) accelerate, expand, and/or strengthen the scope of investigation of a
specific b-BSSR research domain through the integration of disparate approaches from b-BSSR and allied disciplines; or (2) increase the sophistication of theoretical, methodological, and analytical approaches in b-BSSR. These goals may be accomplished by fostering the development of shared scientific terminology, approaches, and methodologies across disciplines in order to address a common b-BSSR research question. Investigators may submit applications to support multiple meetings over a period of up to two years.

Amount: $100,000
LOI: November 14, 2010
Deadline: December 14, 2010

**Key Words:**
Chronic, Non-Communicable Diseases and Disorders Across the Lifespan: Fogarty International Research Training Award (NCD-LIFESPAN) (D43)
PAR-10-257
National Institutes of Health (NIH)
multiple institutes
This funding opportunity announcement (FOA) issued by the Fogarty International Center (FIC), together with the Office of Dietary Supplements (OD/ODS), the National Institute of Neurological Disorders and Stroke (NINDS), the National Institute on Drug Abuse (NIDA), the National Institute of Mental Health (NIMH), the National Institute on Aging (NIA), the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) and the National Institute of Environmental Health Sciences (NIEHS), encourages applications for the Chronic, Non-Communicable Diseases and Disorders Across the Lifespan: Fogarty International Research Training Award (NCD-LIFESPAN) D43 program for collaborative research training between institutions in the U.S. and low- and middle-income countries (LMIC), defined by the World Bank classification system. The proposed institutional research training program is expected to sustainably strengthen the research capacity of the LMIC institutions, and to train in-country experts to conduct research on chronic, non-communicable diseases and disorders across the lifespan, with the ultimate goal of implementing evidence-based interventions relevant to their countries.

Amount: $1,250,000
LOI: August 21, 2011, August 21, 2012

**Key Words:**
Independent Scientist in Global Health Award (ISGHA) (K02)
PAR-10-065
National Institutes of Health (NIH)
Fogarty International Center (FIC)
The purpose of the Independent Scientist Award in Global Health (K02) is to foster the development of outstanding scientists and enable them to expand their potential to make significant contributions to their field of research in global health. The K02 award provides three, four, or five years of research and salary support, and “protected time” for newly independent scientists who can demonstrate the need for a period of intensive research focus as a means of enhancing their research careers. Each independent scientist career award program must be tailored to meet the individual needs of the candidate.

Amount: varies
LOI: N/R
Deadline: March 1, 2011; March 1, 2012

**Key Words:** Global Health

Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) - PA-06-468/PA-08-226
PA-06-468/PA-08-226
National Institutes of Health (NIH)
The objective of the National Research Service Award (NRSA) program is to provide predoctoral and postdoctoral research training opportunities for individuals interested in pursuing research careers in biomedical, behavioral and clinical research. Each NIH Institute and Center has a unique scientific purview and different program goals and initiatives that evolve over time. It is therefore critical that all applicants consult with the scientific/research contact at the relevant NIH Institute or Center for current information about program priorities and policies before preparing an application. This action is of utmost importance because applications with marginal or no relevance to the NIH awarding components participating in this funding opportunity announcement will not be accepted for review or considered for funding.

Amount: varies
LOI: N/R
Deadline: Jan 25 annually; May 25 annually
Research Supplements to Promote Diversity in Health-Related Research
PA-08-190
National Institutes of Health (NIH)
The National Institutes of Health (NIH) and the Centers for Disease Control and Prevention (CDC) hereby notify Principal Investigators holding specific types of NIH research grants, listed in the full Funding Opportunity Announcement (FOA) that funds are available for administrative supplements to improve the diversity of the research workforce by supporting and recruiting students, postdoctorates, and eligible investigators from groups that have been shown to be underrepresented. Although the administrative supplements supported under this program provide funding for less than one percent of all individuals involved in NIH supported research, the NIH has found these awards to be an effective means of encouraging institutions to recruit from currently underrepresented groups. Administrative supplements must support work within the scope of the original project.
Amount: varies
LOI: N/R
Deadline: Applications can be received at any time
Key Words: Recruitment Supplements

Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellows in PharmD/PhD Programs (F31)
PA-09-029
National Institutes of Health (NIH)
The National Institute of General Medical Sciences (NIGMS) will provide individual predoctoral research training fellowship awards to promising pharmacy students who are enrolled in a PharmD/PhD degree program whose dissertation projects are in areas relevant to the research mission of NIGMS. Applicants must have a baccalaureate degree and must be enrolled in a formally combined PharmD./PhD program in the biomedical, behavioral, or clinical sciences. Applicants must be at the dissertation research stage of their doctoral training. Applicants must also show evidence of both high academic performance in the sciences and substantial interest in areas of high priority to NIGMS.
Amount: annual stipend ($20,772)
LOI: N/R
Deadline: Standard dates for Individual Kirschstein-NRSA awards apply.
Key Words: Fellowship, Pre-Doctoral, Thesis, PharmD/PhD

Research Supplements to Promote Re-Entry into Biomedical and Behavioral Research Careers
PA-08-191
National Institutes of Health (NIH)
The Office of Research on Women’s Health (ORWH), participating Institutes and Centers (ICs) of the National Institutes of Health (NIH), and the Office of Dietary Supplements (ODS) announce a continuing program for administrative supplements to research grants to support individuals with high potential to re-enter an active research career after a qualifying interruption for family or other responsibilities.
Amount: varies
LOI: N/R
Deadline: Applications can be received at any time
Key Words: Recruitment Supplements

NIDA Mentored Clinical Scientists Development Program Award in Drug Abuse and Addiction (K12)
PAR-10-177
National Institute on Drug Abuse (NIDA)
The goal of NIH-supported career development programs is to help ensure that a diverse pool of highly trained scientists is available in adequate numbers and in appropriate research areas to address the Nations biomedical, behavioral, and clinical research needs. This funding opportunity announcement (FOA) encourages applications for institutional research career development (K12) programs that

Key Words: Alcohol or Alcoholism, Allergy, Alternative Medicine, Arthritis, Biomedical Research (Multidisciplinary), Blood Diseases, Cancer or Carcinogenesis, Cardiovascular Diseases, Deafness, Diabetes, Digestive Diseases and Disorders, Drug Abuse Prevention, Environmental Health, Eye Diseases, Genomics, Geriatrics, Infectious Diseases or Agents, Internal Medicine, Mental Health, Musculoskeletal Diseases, Neurological Disorders, Nursing Education, Nutrition or Dietetics, Pediatrics, Pulmonary Diseases, Respiratory Diseases, Substance Abuse
propose to support intensive supervised research training and career development experiences for clinician scientists (scholars) leading
to research independence in the area of drug abuse and addiction. Candidates selected for support as scholars must hold a clinical or
research doctorate and can commit a minimum of 9 person-months (equivalent to 75% of full-time professional effort) conducting
clinical research and career development activities associated with the proposed program.

Amount:  $500,000
LOI:  N/R
Deadline:  Standard dates apply
To learn more:  http://grants.nih.gov/grants/guide/pa-files/PAR-10-177.html

Key Words:  Ruth L. Kirschstein National Research Service Awards for Individual, Minority, and MD/PhD Predoctoral Fellows (F31) and (F30)

PA-09-208 and PA-09-209 and PA-05-151
National Institute on Aging (NIA)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute on Deafness and Other Communication Disorders (NIDCD)
National Institute of Dental and Craniofacial Research (NIDCR)
National Institute on Drug
The purpose of this individual predoctoral research training fellowship is to provide support for promising doctoral candidates who will be
performing dissertation research and training in scientific health-related fields relevant to the missions of the participating NIH
Institutes and Centers (ICs) during the tenure of the award.

Amount:  varies
LOI:  N/R
Deadline:  Standard dates apply

Key Words:  Health Science Fellowships, Diversity and Minority Fellowships

Paul B. Beeson Patient-Oriented Research Career Development Award in Aging (K23)
RFA-AG-10-011
National Institute on Aging (NIA)
National Institute of Mental Health (NIMH)
National Institute of Neurological Disorders and Stroke (NINDS)
Office of Dietary Supplements (ODS)
This program provides three to five years of mentored career development support to clinically trained faculty members in strong
research environments who have made a commitment to focus their research endeavors on patient-oriented research. The award will enable them to gain skills and experience in aging research under the guidance of a mentor or mentors, and to establish an independent program of research in this field. Clinically trained professionals or individuals with a clinical degree who are interested in further career development in biomedical research that is not patient-oriented should refer to the Paul B. Beeson Clinical Scientist Career Development Award in Aging (K08) [AG-10-010]. The program also includes an annual meeting that allows opportunities to partner with national mentors and fellow awardees.

Amount:  $800,001
LOI:  December 14, 2010
Deadline:  January 14, 2011

Key Words:  Clinical, Aging

Aging Research Dissertation Awards to Increase Diversity (R36)
PAR-08-250
National Institute on Aging (NIA)
The National Institute on Aging (NIA) announces the reissuance of a Funding Opportunity Announcement (FOA) that provides
dissertation awards (R36) in all areas of research within NIA’s mandate to increase diversity of the research workforce on research on aging and aging-related health conditions. These awards are available to qualified Predoctoral students in accredited research doctoral programs in the United States (including Puerto Rico and other U.S. territories or possessions).

Amount:  $250,000
LOI:  N/R
Deadline:  Standard dates apply
To learn more:  http://grants.nih.gov/grants/guide/pa-files/PAR-08-250.html

Key Words:  Geriatrics, Gerontology
NINR Mentored Research Scientist Development Award for Underrepresented or Disadvantaged Investigators (K01)

PAR-09-074
National Institute of Nursing Research (NINR)
The purpose of the NINR Mentored Research Scientist Development Award for Underrepresented or Disadvantaged Investigators (K01) is to provide support and "protected time" (three, four, or five years) for an intensive, supervised career development experience in the biomedical, behavioral, or clinical sciences leading to research independence.
Mechanism of Support: This Funding Opportunity Announcement (FOA) will utilize the NIH Mentored Research Scientist Development Award (K01) mechanism.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Nursing Research

Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellows In Nursing Research (F31)

PAR-10-211
National Institute of Nursing Research (NINR)
The purpose of the Ruth L. Kirschstein National Research Service Award (NRSA) for Individual Predoctoral Fellows in Nursing Research (F31) program is to train future generations of outstanding nurse scientists who are committed to research careers in scientific health-related fields relevant to the programmatic interests of the National Institute of Nursing Research (NINR). This FOA encourages Individual Predoctoral Fellowship (F31) applications from institutions/organizations that propose to increase the number of nurses prepared with a doctoral degree in order to meet the demands for adequately trained behavioral, biological, and biobehavioral scientists. NINR is particularly interested in facilitating the progress of students who are in research training programs for recent nursing graduates and students in BSN to PhD programs. This fellowship program will provide predoctoral training support for doctoral students. The applicant should propose a research training program and dissertation research that is consistent with the scientific mission of the NINR.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words:

NINR Career Transition Award (K22)

PAR-09-067
National Institute of Nursing Research (NINR)
The purpose of the NINR Career Transition Award (K22) program is to provide up to 5 years of support consisting of two phases. The initial phase will provide up to 2 years of mentored intramural experience for highly promising, postdoctoral research scientists in an NIH intramural program. This phase will be followed by up to 3 years of extramural support contingent on securing an independent tenure-track or equivalent research position. The NINR Career Transition award is limited to postdoctoral trainees who propose research relevant to the mission of the National Institute of Nursing Research (NINR)
Amount: $100,000
LOI: 30 days before due date
Deadline: Standard dates apply
Key Words: Nursing Research

Ruth L. Kirschstein National Research Service Award (NRSA) for Individual Predoctoral Fellows in Nursing Research (F31)

PAR-09-227
National Institute of Nursing Research
This FOA issued by the National Institute of Nursing Research (NINR/NIH), National Institutes of Health, encourages Individual Predoctoral Fellowship (F31) applications from institutions/organizations that propose to increase the number of nurses prepared with a doctoral degree in order to meet the demands for adequately trained behavioral, biological, and biobehavioral scientists. NINR is particularly interested in facilitating the progress of students who are in research training programs for recent nursing graduates and students in BSN to PhD programs. This fellowship program will provide predoctoral training support for doctoral students. The applicant must propose a research training program and dissertation research that is consistent with the scientific mission of the NINR. Research topics and skills that will serve as a foundation for an ongoing program of research are of particular interest. The research training...
experience must enhance the applicant's conceptualization of research problems and research skills, under the guidance and supervision of a committed mentor who is an active and established investigator in the area of the applicant's proposed research. The research training program should be carried out in a research environment that includes appropriate human and technical resources and is demonstrably committed to the research training of the applicant in the program he/she proposes in the application.

Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-227.html
Key Words: Nursing Fellowships

International Neuroscience Fellowship (F05)
PAR-10-167
National Institute of Neurological Disorders and Stroke (NINDS)
National Institute on Aging (NIA)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
Eunice Kennedy Shriver National Institute of Child Health & Human Development (NICHD)
The goal of the International Neuroscience Fellowship (INF) is to advance the training of qualified foreign neuroscientists and clinicians at the early or mid-career level, by enhancing their basic, translational or clinical research skills in a research setting in the United States (U.S.). This program aims to strengthen the intellectual capital of neuroscience research in international institutions. Awardees are expected to pursue future independent and productive careers, which stimulate research in the neurosciences on a global scale.

Amount: unspecified
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-167.html
Key Words: Neuroscience Fellows

NINDS Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellows in MD-PhD programs (F31)
PAR-10-091
National Institute of Neurological Disorders and Stroke (NINDS)
The purpose of this individual predoctoral research training fellowship is to provide support for promising doctoral candidates who are enrolled in combined MD-PhD programs, who will be performing dissertation research and training in scientific health-related fields relevant to the mission of the National Institute of Neurological Disorders and Stroke.

Amount: limited to 5 years support
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-091.html
Key Words: MD/PhD Programs

Neurological Sciences Academic Development Award (K12)
PAR-10-229
National Institute of Neurological Disorders and Stroke (NINDS)
The purpose of the Neurological Academic Development Award (K12) is to facilitate and support the career development of pediatric neurologists who have made a commitment to independent research careers. Under this award, newly trained pediatric neurologists are to be selected and appointed to this program by the grantee institution. It is expected that individuals appointed to the NSADA program will subsequently apply for their own Mentored Clinical Scientist Development Award (K08), the Mentored Patient-Oriented Career Development Award (K23), an NINDS Research Scientist Development Award (K02) or a Research Project Grant (R01).

Amount: varies
LOI: N/R
Deadline: October 12, 2011 for new applications
November 12, 2011 for resubmission and renewal applications
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-229.html
Key Words:

Career Development Award to Promote Diversity in Neuroscience Research (K01)
PAR-09-065
National Institute of Neurological Disorders and Stroke (NINDS)
The purpose of the NIH Mentored Research Scientist Development Award (K01) is to provide support and “protected time” (three, four, or five years) for an intensive, supervised career development experience in the biomedical, behavioral, or clinical sciences leading to research independence. The goal of the NINDS K01 is to diversify the pool of independent neuroscience research investigators. The NINDS recognizes the unique and compelling need to promote diversity in participation in neuroscience research and expects these efforts to diversify the neuroscience research workforce to lead to the recruitment of the most talented researchers from all groups.

Amount: varies  
LOI: N/R  
Deadline: Standard dates apply  
Key Words: Neurology, Neurological Research

**Mental Health Dissertation Research Grant to Increase Diversity (R36)**  
PAR-09-132  
National Institute of Mental Health (NIMH)  
The purpose of this funding opportunity is to increase the diversity of the mental health research workforce. It will enable qualified doctoral candidates to pursue research careers in any area relevant to the research mission of the National Institute of Mental Health (NIMH). These awards are available to US citizens or permanent residents who are predoctoral students advanced to candidacy in accredited research doctoral programs in the United States (including Puerto Rico and other U.S. territories or possessions).  
Amount: see program announcement  
LOI: 30 days prior to Application Due Date  
Deadline: December 22, 2010; April 22, 2011; August 24, 2011; December 22, 2011 (including resubmissions)  
Key Words: Doctoral Training Support, Mental Health Professions

**Ruth L. Kirschstein National Research Service Awards (NRSA) for Individual Predoctoral Fellows in PharmD/PhD Programs (F31)**  
PA-10-178  
National Institute of General Medical Sciences (NIGMS)  
Eunice Kennedy Shriver National Institute of Child Health and Human Development (CHHD)  
Office of Dietary Supplements (ODS)  
The purpose of this individual predoctoral research training fellowship is to provide support for promising students enrolled in a PharmD/PhD degree program who will be performing dissertation research and training in areas relevant to the missions of NIGMS, NICHD, and the Office of Dietary Supplements. Mechanism of Support. This FOA will utilize the NIH Ruth L. Kirschstein Individual Predoctoral National Research Service Award (NRSA) award mechanism (F31).  
Amount: varies  
LOI: N/R  
Deadline: Standard dates apply  
Key Words: 

**Short Term Career Development Award in the Environmental Health Sciences for Established Investigators (K18)**  
PAR-09-090  
National Institute of Environmental Health Sciences (NIEHS)  
The purpose of these short term career development awards is to allow established, well funded clinician investigators to expand research programs to answer questions relevant to the environmental health sciences, and to provide established environmental health sciences research investigators the tools to expand their efforts to translational research.  
Amount: varies  
LOI: N/A  
Deadline: Standard dates apply  
Key Words: Environmental Health Sciences

**NIDDK Education Program Grants (R25)**  
PAR-10-092  
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)  
Office of Dietary Supplements (ODS/NIH)
This funding opportunity announcement (FOA) encourages Research Education (R25) grant applications from applicant organizations that propose to create educational opportunities to attract undergraduate students, graduate students, and postdoctoral fellows to careers in areas of biomedical or behavioral research of particular interest to the NIDDK, while fostering the career development of these students and fellows. The NIDDK is especially interested in attracting students and postdoctoral fellows from scientific disciplines underrepresented in disease-oriented biomedical research, such as engineering, informatics, computer science, and computational sciences, to encourage them to apply their expertise to research relevant to diabetes and other endocrine and metabolic diseases; digestive and liver diseases; nutrition; obesity research and prevention; and kidney, urologic and hematologic diseases.

Amount: $500,000
LOI: N/R
Deadline: Standard dates apply for the remaining cycles
Key Words: Diabetes, Obesity, Nutrition, Informatics, Hematologic Diseases

**NIDDK Small Grants for Clinical Scientists to Promote Diversity in Health-Related Research (R03)**

PAR-09-223
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
Office of Dietary Supplements (ODS)
The purpose of this funding opportunity announcement (FOA) is to provide support for clinical scientists from underrepresented racial/ethnic backgrounds, disadvantaged backgrounds or clinical scientists with disabilities to conduct small research projects in the area of diabetes, endocrinology, metabolism, digestive diseases, hepatology, obesity, nutrition, kidney, urology, or hematology. The NIDDK and the ODS recognize the need to promote diversity in the health-related workforce by increasing the number of highly trained clinical researchers from diverse backgrounds conducting research in areas of importance to the NIDDK. This FOA is aimed at New Investigators (see Section III.1.B. for definition) who hold a health professional doctoral degree or other clinical doctoral degree AND who are from a group that have been shown to be underrepresented in biomedical research (see eligible PD/PI for full definition). The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. The R03 is intended to support small research projects that can be carried out in a short period of time with limited resources.

Amount: $375,000
LOI: 30 days prior to application date
Deadline: Standard dates apply
Key Words: Diabetes, Endocrinology, Digestive Diseases, Training Grants

**NIDCR Individual NRSA Predoctoral Dental Scientist Fellowship (F30)**

PAR-08-119
National Institute of Dental and Craniofacial Research (NIDCR)
The National Institute of Dental and Craniofacial Research (NIDCR) seeks new Ruth L. Kirschstein National Research Service Award (NRSA) applications for an Individual Predoctoral Dental Scientist Fellowship (PDSF). The purpose of the PDSF is to offer an integrated dental and graduate research training program that leads to attainment of both the DDS/DMD and PhD (or equivalent) degrees.

Amount: $50,000/year
LOI: N/R
Deadline: Standard NRSA receipt dates of April 8, August 8 and December 8
Key Words: Dentistry, Dental Training, Dental Fellowships

**NIDCR Dentist Scientist Pathway to Independence Award (K99/R00)**

PAR-09-256
National Institute of Dental and Craniofacial Research (NIDCR)
The primary purpose of the Pathway to Independence Award (K99/R00) program is to increase and maintain a strong cohort of new and talented NIH-supported independent investigators. The program is designed to facilitate a timely transition from a mentored postdoctoral research position to a stable independent research position with independent NIH or other independent research support at an earlier stage than is currently the norm.

Amount: $1,445,000
LOI: N/R
Deadline: Standard dates apply
Key Words: Training Grants
Institutional Training for a Dental and Craniofacial Research Workforce (T90/R90)
PAR-10-170
National Institute of Dental and Craniofacial Research (NIDCR)
The National Institute of Dental and Craniofacial Research (NIDCR) will award T90/R90 grants to eligible institutions that are committed to supporting predoctoral and postdoctoral research training as a means to help ensure that a diverse and highly trained workforce is available to address the Nation’s health related needs in dental, oral, and craniofacial research. This NIDCR program is designed in recognition of the need to develop a cadre of highly qualified independent scientists who can successfully address basic, behavioral, and clinical research questions to improve oral, dental and craniofacial health. Trainees are required to pursue full-time research training. Priority will be given to programs that present plans and evidence that they will train dentist scientists either as predoctoral dual degree dentist scientists, dentists receiving PhD training or dentists training in a postdoctoral research experience.
Amount: $4,000,000
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-170.html
Key Words: Oral, Dental and Craniofacial Health

Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Training for a Dental and Craniofacial Research Workforce (T32)
PAR-10-171
National Institute of Dental and Craniofacial Research (NIDCR)
The National Institute of Dental and Craniofacial Research (NIDCR) will award T32 Institutional Training grants to eligible institutions that are committed to supporting predoctoral and postdoctoral research training as a means to help ensure that a diverse and highly trained workforce is available to address the Nation’s health related needs in dental, oral, and craniofacial research. This NIDCR program is designed in recognition of the need to develop a cadre of highly qualified independent scientists who can successfully address basic, behavioral, and clinical research questions to improve oral, dental and craniofacial health. Trainees are required to pursue full-time research training. Priority will be given to programs that present plans and evidence that they will train dentist scientists either as predoctoral dual degree dentist scientists, dentists receiving PhD training or dentists training in a postdoctoral research experience.
Amount: $4,000,000
Key Words: Oral, Dental and Craniofacial Health

Mentored Research Scientist Development Award (K01)
PAR-10-132
National Institute for Occupational Safety and Health (NIOSH)
The goal of the NIOSH Mentored Research Scientist Development Award (K01) is to help ensure the availability of adequate numbers of highly trained scientists to address occupational health and safety and to provide new occupational health and safety scientists and educators with appropriate mentoring. The purpose of the K01 is to provide support and 75% “protected time” for an intensive, supervised career development experience in occupational health and safety research leading to research independence.
Amount: $300,000
LOI: N/R
Deadline: Standard dates apply
Key Words: Occupational Health and Safety

NHLBI Career Transition Award (K22)
PAR-09-102
National Heart, Lung, and Blood Institute (NHLBI)
The purpose of the NHLBI Career Transition Award (K22) program is to provide highly qualified postdoctoral fellows with an opportunity to receive mentored research experience in the NHLBI Division of Intramural Research and then to provide them with bridge funding to facilitate the transition of their research programs as new investigators at extramural institutions. To achieve these objectives, the NHLBI Career Transition Award will support two phases of research: an intramural phase (two years) and an extramural phase (three years), for a total of five years of combined support. Transition from the intramural phase of support to the extramural phase is not automatic. Approval of the transition will be based on the success of the awardees research program as determined by an NHLBI progress review, which will include an evaluation of a research plan to be carried out at the extramural institution.
Amount: $747,000 extramural
LOI: N/R
Deadline: Standard dates apply
NHLBI Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral MD/PhD Fellows (F30)
PA-09-232
National Heart, Lung and Blood Institute (NHLBI)
The National Heart, Lung, and Blood Institute (NHLBI) is interested in supporting individual predoctoral fellowships for combined MD/PhD training in research areas relevant to the mission of the NHLBI. The NHLBI mission is to provide leadership for national programs in diseases of the heart, blood vessels, lung, and blood; blood resources; and sleep disorders.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Cardiovascular Fellowships, Post-Doctoral Training

The NEI Mentored Clinical Scientist Development Program Award (K12)
PAR-10-166
National Eye Institute (NEI)
The purpose of the NEI Mentored Clinical Scientist Development Program Award (K12) is to facilitate and support the career development of clinical vision scientists who have made a commitment to independent research careers. It will allow institutions to provide two to five years of comprehensive individualized career development training for selected clinically trained professionals (DO, DVM, MD, MD/PhD, OD, and PhD) who have the potential to develop into productive vision clinician-scientists. Under this award, recently trained clinicians are to be selected and appointed to the program by the grantee institution.
Amount: $5,625,000
LOI: N/R
Deadline: May 13, 2011
Key Words: MD/PhD Fellowships

NEI Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) for Statistical Genetics and Genome Informatics
RFA-EY-10-001
National Eye Institute (NEI)
The NEI Institutional Research Training Grants (T32) for Statistical Genetics and Genome Informatics is a Ruth L. Kirschstein National Research Service Award program that is intended to support predoctoral and postdoctoral training at institutions having the potential to develop meritorious training programs in genomic medicine, computational genomics, and statistical genetics. The goal of this program is to initiate a training program to develop ophthalmic statistical genetics and bioinformatics research skills critical for investigators seeking to identify genes and genetic variations underlying ocular diseases. This training program is designed to attract individuals in early career stages, in order to increase their knowledge and awareness of research in the genetics of ophthalmic disorders, and to encourage them to pursue research career opportunities in these scientific fields. Such training will help meet a growing need for investigators trained in computational genomics related to basic biomedical, clinical, and translational ophthalmic research.
Amount: $1,500,000
LOI: N/R
Deadline: May 18, 2011 and 2012
Key Words: Genomic Medicine, Ocular Diseases

Paul Calabresi Career Development Award for Clinical Oncology (K12)
PAR-10-155
National Cancer Institute (NCI)
This funding opportunity announcement (FOA) issued by the National Cancer Institute (NCI) encourages applications for institutional research career development (K12) programs from applicant organizations that propose to promote the training and career development of translational and clinical trials researchers. The purpose of the Paul Calabresi Career Development Award in Clinical Oncology (PCACO) K12 (NIH Institutional Research Career Development K12 grant mechanism) is to increase the number of clinicians (M.D.s, D.O.s, Pharm.D.s) and basic research scientists (Ph.D.s. or equivalents) who are trained to design and administer hypothesis-based pilot/Phase I, Phase II, and Phase III cancer therapeutic clinical trials in team research settings. A PCACO can support the research career development of clinicians only (single-track program) or clinicians and Ph.D. basic research scientists (dual-track program). Clinical and basic research scientists will collaborate and interact to expedite the translation of basic science research
discoveries into patient-oriented therapeutic cancer research. The PCACO is not intended to train laboratory-based scientists whose research will be primarily focused upon the use of animal or other model systems.

**Amount:** $5,250,000  
**LOI:** N/R  
**Deadline:** June 10, 2011; June 11, 2012  
**Key Words:** Cancer, Clinical Trial Researchers, Training

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**National Cancer Institute (NCI) Cancer Education and Career Development Program (R25)**  
**PAR-10-165**  
**National Cancer Institute (NCI)**  
The purpose of the CECDP is to support the development and implementation of institutional curriculum-dependent predoctoral/postdoctoral programs in the areas of cancer prevention and control, behavioral and population sciences research, nutrition, epidemiology, and/or biostatistics.  
**Amount:** $500,000  
**LOI:** N/R  
**Deadline:** Standard dates apply  
**To learn more:** [http://grants.nih.gov/grants-guide.pa-files/PAR-10-165.html](http://grants.nih.gov/grants-guide.pa-files/PAR-10-165.html)  
**Key Words:** Educational Program Development, Cancer

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**NCI Transition Career Development Award to Promote Diversity (K22)**  
**PAR-09-069**  
**National Cancer Institute (NCI)**  
The purpose of the National Cancer Institute (NCI) Career Transition Award (K22) is to help ensure that a diverse pool of highly trained scientists are available in adequate numbers and in appropriate research areas to address the nation's biomedical, behavioral, and clinical research needs. The Diversity Training Branch (DTB), the Center to Reduce Cancer Health Disparities (CRCHD) ([http://crchd.cancer.gov/](http://crchd.cancer.gov/)), and the Office of the Director (OD) ([http://www.nih.gov/od/](http://www.nih.gov/od/)), invite applications from recipients of the NCI Mentored Career Development Award to Promote Diversity, or from advanced postdoctoral and/or newly independent research scientists representative of groups that are underrepresented in biomedical, behavioral, clinical, and/or social sciences. This award will provide "protected time" for recipients to develop and receive support for their initial cancer research program. In addition, this award can provide a two-year mentored experience in NCI intramural programs for interested individuals. The unique feature of this award is that the individuals may apply without a sponsoring institution while they are still in a mentored position.  
**Amount:** $450,000  
**LOI:** N/R  
**Deadline:** Standard dates apply  
**To learn more:** [http://grants.nih.gov/grants-guide.pa-files/PAR-09-069.html](http://grants.nih.gov/grants-guide.pa-files/PAR-09-069.html)  
**Key Words:** Cancer, Under-Represented Minorities

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**Established Investigator Award in Cancer Prevention & Control (K05)**  
**PAR-09-088**  
**National Cancer Institute (NCI)**  
The NCI Established Investigator Award (K05) provides qualified cancer prevention, control, behavioral, and/or population scientists with protected time to devote to research and to mentoring new investigators.  
**Amount:** salary support + $25,000/year  
**LOI:** N/A  
**Deadline:** Standard dates apply  
**Key Words:** Molecular Epidemiology, Community and Social Variables of Cancer

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**Midcareer Investigator Award in Patient-Oriented Research (K24)**  
**PA-08-151**  
**Health and Human Services; Multiple Agencies**  
The purpose of the Midcareer Investigator Award in Patient-Oriented Research is to provide support to mid-career health-professional doctorates or equivalent who are typically at the Associate Professor level or the equivalent (see Section III. Eligible Individuals) for protected time to devote to patient-oriented research (POR) and to act as research mentors primarily for clinical residents, clinical fellows and/or junior clinical faculty. The intent of this award is two-fold: 1) to enable mid-career clinician scientists to devote more time and to augment their capabilities in patient-oriented research; and 2) to enable mid-career clinical scientists to mentor new clinical investigators in the conduct of patient-oriented research. An award recipient who continues to have an independent peer-reviewed
patient-oriented research program and continues to provide mentoring to new investigators can continue to contribute to the overall goals of the program after being promoted to Full professor.

**Amount:** 3-5 years support  
**LOI:** N/R  
**Deadline:** multiple  
**To learn more:** [http://grants.nih.gov/grants/guide/pa-files/PA-08-151.html](http://grants.nih.gov/grants/guide/pa-files/PA-08-151.html)

**Key Words:**

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**Predoctoral and Postdoctoral Training Program in Reproductive, Obstetric, Perinatal and Pediatric Epidemiology and Pharmacoepidemiology (T32)**

**PAR-10-194**  
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)  
This Funding Opportunity Announcement (FOA) issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), solicits grant applications from institutions/organizations for the predoctoral and postdoctoral training program in reproductive, obstetric, perinatal and pediatric epidemiology and pharmacoepidemiology. This program supports broad and fundamental, early stage graduate research training and postdoctoral training in reproductive, obstetric, perinatal, and pediatric epidemiology as well as pharmacoepidemiology via institutional training grants.

**Amount:** varies  
**LOI:** April 25, 2011, April 25, 2012  
**Deadline:** May 25, 2011, May 25, 2012  

**Key Words:**

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**Pilot and Feasibility Awards**

**Research Grants**

**LeRoy Matthews Physician/Scientist Award and the Harry Shwachman Clinical Investigator Award**

Cystic Fibrosis Foundation Therapeutics, Inc. (CFFT)  
The CF Foundation (CFF) offers competitive awards for research related to cystic fibrosis. Studies may be carried out at the subcellular, cellular, animal, or patient levels. Two of these funding mechanisms include Pilot and Feasibility Awards and Research Grants. Since these applications are reviewed by the CFF’s Research and Research Training Committee, those proposals that include methodologies requiring sampling of materials from human subjects will only be considered under this mechanism if the sampling method constitutes minimal patient risk (e.g., venipuncture) and patient samples or data are anonymous. For applications where more invasive procedures are proposed or where patient samples or data will not be anonymous, please submit a Letter of Intent for a Clinical Research Award. Also, the CF Foundation offers physician-scientist training awards, including the LeRoy Matthews Physician/Scientist Award and the Harry Shwachman Clinical Investigator Award.

**Amount:** varies  
**LOI:** the CF Foundation will consider NIH applications that have received a competitive score but missed the payline under the CFF/NIH-unfunded award mechanism. These applications are accepted on an ongoing basis.  
**Deadline:** first Wednesday in September  
**To learn more:** [http://www.cff.org/research/ForResearchers/FundingOpportunities/ResearchGrants/](http://www.cff.org/research/ForResearchers/FundingOpportunities/ResearchGrants/)

**Key Words:** Cystic Fibrosis

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**Cystic Fibrosis Foundation (CFF) Student Traineeships**

Cystic Fibrosis Foundation (CFF)  
These awards are offered to bona fide students in or about to enter a doctoral program (i.e., Ph.D., M.D., M.D./Ph.D.) Senior-level undergraduate students planning on pursuing graduate training also may apply. Applicants must work with a faculty sponsor on a research project related to CF, the duration of which should be 10 weeks or more.

**Amount:** $1,500  
**LOI:** N/R  
**Deadline:** continuous  
**To learn more:** [http://www.cff.org/research/ForResearchers/FundingOpportunities/TrainingGrants/](http://www.cff.org/research/ForResearchers/FundingOpportunities/TrainingGrants/)

**Key Words:** Cystic Fibrosis

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**Travel Grants**

Boehringer Ingelheim Fonds (BIF) - Foundation for Basic Research in Biomedicine
Travel Grants are available to junior researchers pursuing experimental projects in basic biomedical research. To learn clearly-defined methods useful for your ongoing research and the work of your research group at home by visiting another laboratory, or by attending research-orientated courses which include practical training.

**Amount:** 3 months support  
**LOI:** N/R  
**Deadline:** Continuous  
To learn more: [http://www.bifonds.de/cgi-bin/show.pl/travel_grants/travel_grants.html?sid=iw5d2ei4y1oz8takvjsb4dr4i0a3hoe4](http://www.bifonds.de/cgi-bin/show.pl/travel_grants/travel_grants.html?sid=iw5d2ei4y1oz8takvjsb4dr4i0a3hoe4)  
**Key Words:** Biological Sciences, Biomedical Research Resources, Biomedical Research Training, Health and Medicine

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**The Professor Rahamimoff Travel Grants Program**  
Binational Science Foundation (BSF)  
The Prof. Rahamimoff Travel Grants Program is focused on PhD students and Post-Doc fellows doing research that requires facilities or expertise not available in their home countries. In 2010 the program supported 14 trips, each with a grant of $4,000, and a budget for 10 trips is planned for 2011. The trips will be only to a higher education or a research facility in the U.S.A. (for Israelis) or Israel (for Americans). The program will not support participation in conferences. Each trip will be for a maximum length of 2 months.

**Amount:** $4,000  
**LOI:** N/R  
**Deadline:** December 1, 2010  
**Key Words:**

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**AHRQ Individual Awards for Postdoctoral Fellows (F32) Ruth L. Kirschstein National Research Service Awards (NRSA)**  
PA-09-229  
Agency for Healthcare Research and Quality  
The purpose of this individual postdoctoral research training fellowship is to provide support to promising Fellowship Applicants with the potential to become productive, independent investigators in health services research in research areas and priorities relevant to the mission of AHRQ.

**Amount:** varies  
**LOI:** N/R  
**Deadline:** Standard dates apply  
**Key Words:** Health Services Research

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**Postdoctoral Fellowship**  
ACS  
This award is to support the training of researchers who have just received their doctorate to enable them to qualify for an independent career in cancer research (including basic, preclinical, clinical, psychosocial, behavioral, and epidemiologic research).

**Amount:** one to three years with progressive stipends of $40,000, $42,000, and $44,000 per year, plus a $4,000 per year institutional allowance  
**LOI:** N/R  
**Deadline:** April 1 and October 15; annually  
To learn more: [http://www.cancer.org/docroot/RES/content/RES_5_2x_Postdoctoral_Fellowships.asp?sitearea=RES](http://www.cancer.org/docroot/RES/content/RES_5_2x_Postdoctoral_Fellowships.asp?sitearea=RES)  
**Key Words:**

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**Physician Training Awards in Preventive Medicine**  
ACS  
This award is made to support primary care physicians with a rank of instructor to assistant professor who are pursuing an academic career with an emphasis on cancer control.

**Amount:** $300,000  
**LOI:** N/R  
**Deadline:** April 1, annually  
To learn more: [http://www.cancer.org/docroot/RES/content/RES_5_2x_Physician_Training_Awards_in_Preventive_Medicine.asp?sitearea=RES](http://www.cancer.org/docroot/RES/content/RES_5_2x_Physician_Training_Awards_in_Preventive_Medicine.asp?sitearea=RES)  
**Key Words:**
**Mentored Research Scholar Grant in Applied and Clinical Research**

**ACS**  
Support mentored research by full-time faculty, typically within the first four years of their appointment, with the goal of becoming independent investigators in clinical, cancer control and prevention, epidemiologic, psychosocial, behavioral, health services and health policy research.  
**Amount:** up to five years and for up to $135,000 per year  
**LOI:** N/R  
**Deadline:** April 1 and October 15; annually  
To learn more:  
[http://www.cancer.org/docroot/RES/content/RES_5_2x_Mentored_Research_Scholar_Grant_in_Applied_and_Clinical_Research.asp?sitearea=RES](http://www.cancer.org/docroot/RES/content/RES_5_2x_Mentored_Research_Scholar_Grant_in_Applied_and_Clinical_Research.asp?sitearea=RES)  
**Key Words:**