

BUFFETT CANCER CENTER TRAINING NAVIGATOR PROGRAM

February 26 and 27, 2024

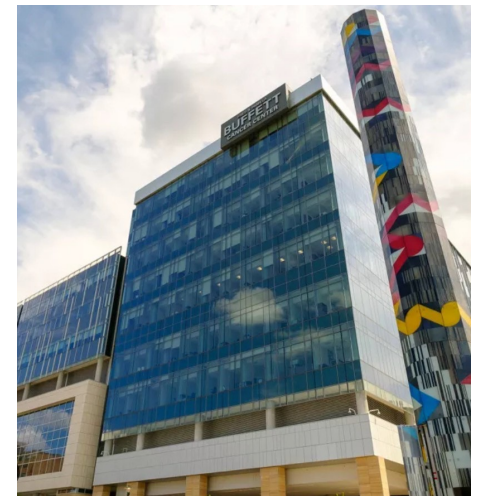
Dr. Joyce Solheim, PhD



**Fred & Pamela
Buffett Cancer
Center**

Fred & Pamela Buffett Cancer Center

- The Fred & Pamela Buffett Cancer Center is recognized by the National Cancer Institute (NCI) as having strong, collaborative, cancer-focused clinical, translational, and basic research.
- In addition to the long-running Cancer Center Support Grant, NCI recently funded a short-term Training Navigator supplement at UNMC.
- NCI's goal for this Cancer Center supplement program is to facilitate *inclusive cancer research career development*.





Buffett Cancer Center Training Navigator Program

- Buffett Cancer Center Training Navigator Program Objectives:
 - to meet Nebraska's cancer research education needs and to address disparities
 - by facilitating cancer research training
 - predoctoral trainees
 - postdoctoral trainees
 - early-stage faculty members



Buffett Cancer Center Training Navigator Program



- Buffett Cancer Center Training Navigator Program Aims:
 - to guide diverse scholars into the pathway of cancer-related research training
 - to optimize the professional development and networking skills of these scholars
 - to facilitate the advancement of these scholars through NCI workforce opportunities and to prepare to monitor their success in their careers in cancer research and clinical care

Buffett Cancer Center Training Navigator Program



- Our Training Navigator Program Aim 1:
 - outreach to partners at educational institutions and in the community
 - cancer research career exploration in conjunction with UNMC / Buffett Cancer Center pathway programs

Buffett Cancer Center Training Navigator Program



- Our Training Navigator Program Aim 2:
 - available for grant-writing mentoring
 - send notifications about grant-writing and computational skills workshops
 - provide conference attendance and professional skills development scholarships

Buffett Cancer Center Training Navigator Program



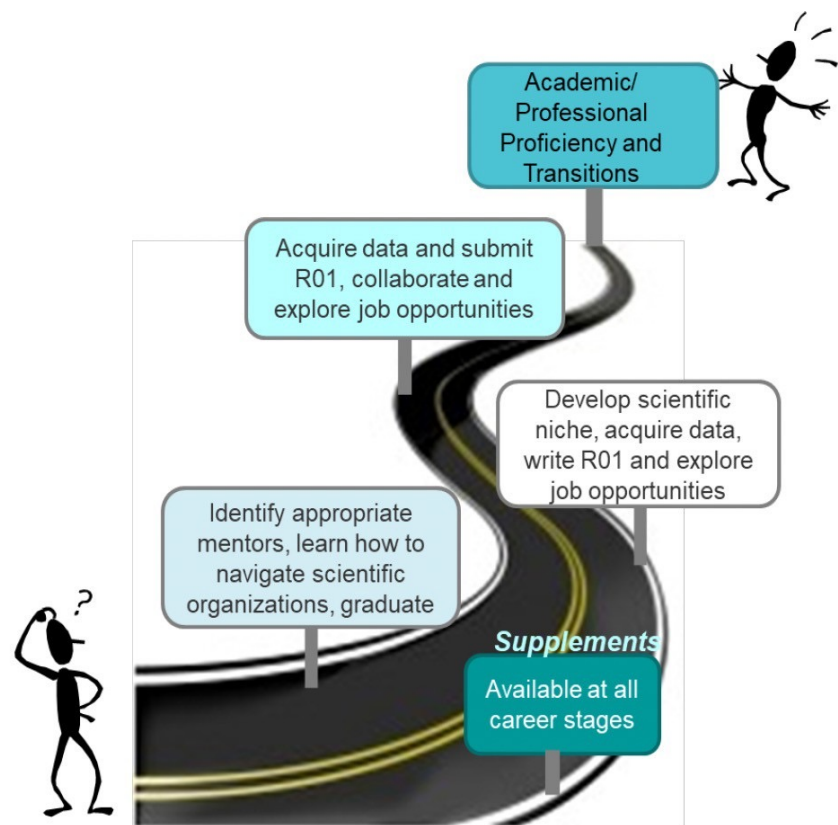
- Our Training Navigator Program Aim 3:
 - advising scholars and their mentors about opportunities
 - email notifications and web site development
 - assessment of Training Navigator Program outcomes

NCI Center to Reduce Cancer Health Disparities Flagship Programs



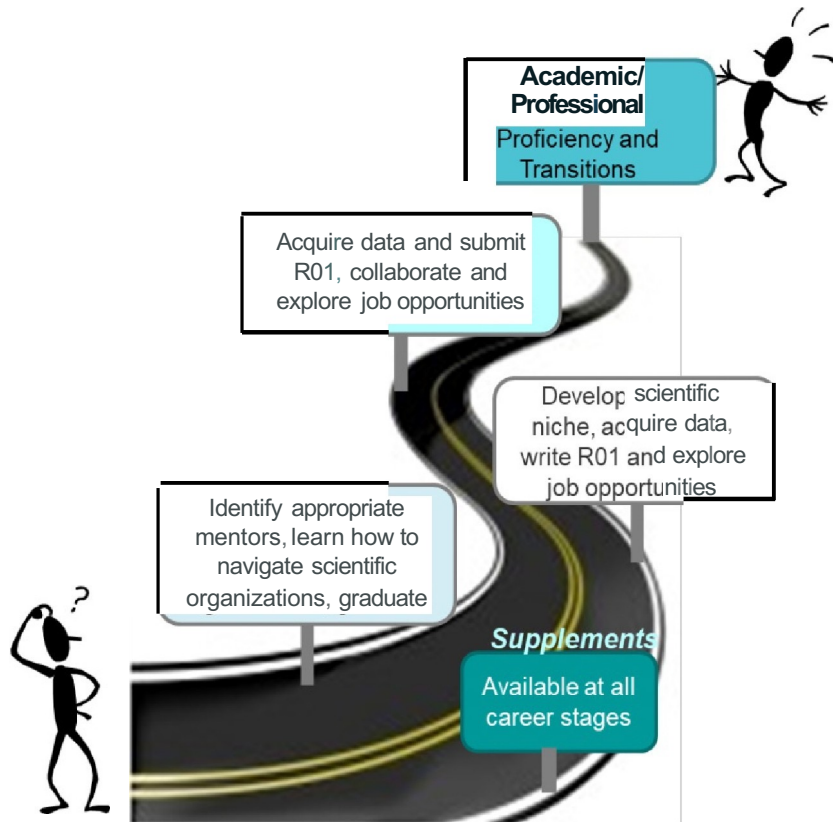
- Continuing Umbrella of Research Experiences (CURE) Pipeline: Extramural Diversity Training Mechanisms
- The Intramural CURE (iCURE)
- Cancer Health Disparities Research Opportunities

CRCHD-NCI Programs





CRCHD-NCI Programs



Funding Opportunities are Vehicles to Career Independence



NIH Has a Broad Interest in Diversity



- Notice of NIH's Interest in Diversity: NOT-OD-20-031

“There are many benefits that flow from a diverse NIH-supported scientific workforce, including:

- fostering scientific innovation
- enhancing global competitiveness
- contributing to robust learning environments
- improving the quality of the research
- advancing the likelihood that underserved or health disparity populations participate in, and benefit from health research
- enhancing public trust”

NIH Has a Broad Interest in Diversity



- Notice of NIH's Interest in Diversity: NOT-OD-20-031

Underrepresented Populations in the U.S. Biomedical, Clinical, Behavioral and Social Sciences Research Enterprise:

- individuals from several racial and ethnic groups
- individuals with disabilities (physical or mental)
- Individuals from disadvantaged backgrounds (defined in NOT-OD-20-031)
- women, especially those from the above backgrounds



CURE and iCURE Promote Diversity in Cancer Research Workforce

NCI particularly encourages applications from individuals from groups identified in NIH's Notice of Interest in Diversity ([NOT-OD-20-031](#)) as underrepresented in the biomedical, clinical, behavioral, and social sciences.

Race/Ethnicity

- Blacks or African Americans
- Hispanics or Latinos
- American Indians or Alaskan Natives
- Native Hawaiians and other Pacific Islanders

Disability

- Physical or mental impairment that substantially limits one or more major life activities

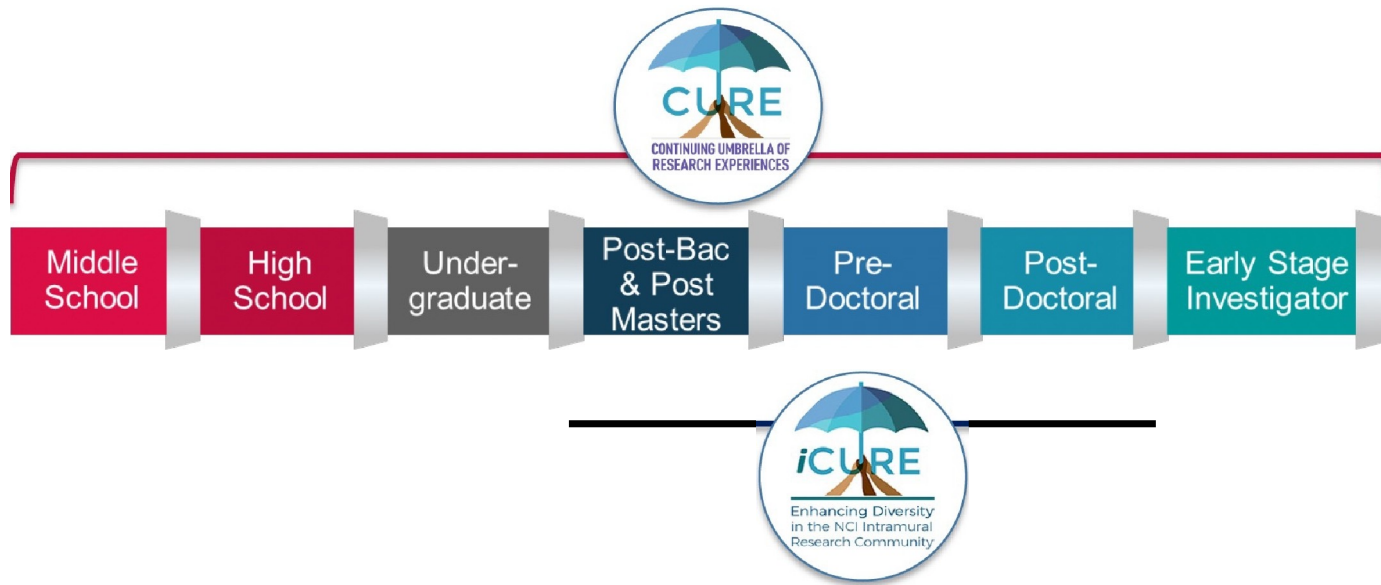
Disadvantaged Background

- Homeless
- Foster care system
- First generation w/ Bachelor's degree
- Federal Pell Grants
- Special Supplemental Nutrition Program
- Rural or low income/access areas



NCI Diversity Training Programs

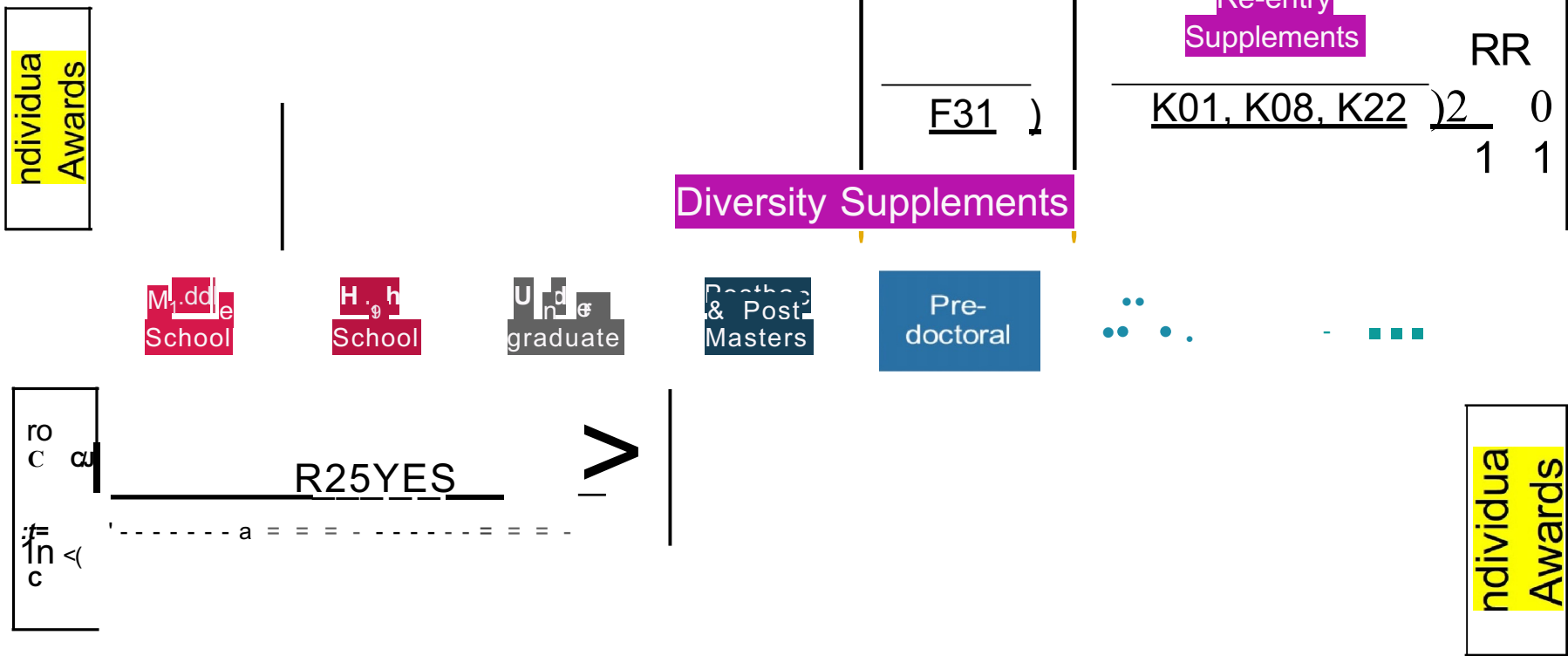
Extramural: Continuing Umbrella of Research Experiences (CURE)



- Support research experiences of **underrepresented** students and scientists
- Promote professional and career development
- Help the trainees achieve research independence

intramural: Intramural Continuing Umbrella of Research Experiences (iCURE) |

Extramural: CURE Funding Mechanisms





F31 Diversity Predoctoral Fellowship ([PA-21-052](#))

- **Objective:** To increase biomedical workforce diversity by supporting mentored research training leading to a PhD or combined dual doctoral degrees.
- **Benefits**
 - Mentored research training.
 - Present and publish research findings.
 - Strengthen grants skillset.
 - Enhance competitiveness for NIH funding.
 - **Student is the PI of the F31.**
- Support is provided for up to 5 (Ph.D.) or 6 years (combined degrees, ex.MD/PhD)

Receipt Cycle	Application Receipt Date
1	April 8
2	August 8
3	December 8

Contact

Dr. Anthony DiBello
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Suggested Timeline for Preparing an F31 Diversity Application

8-6 Months
Prior

4-3 Months
Prior

1 Month
Prior

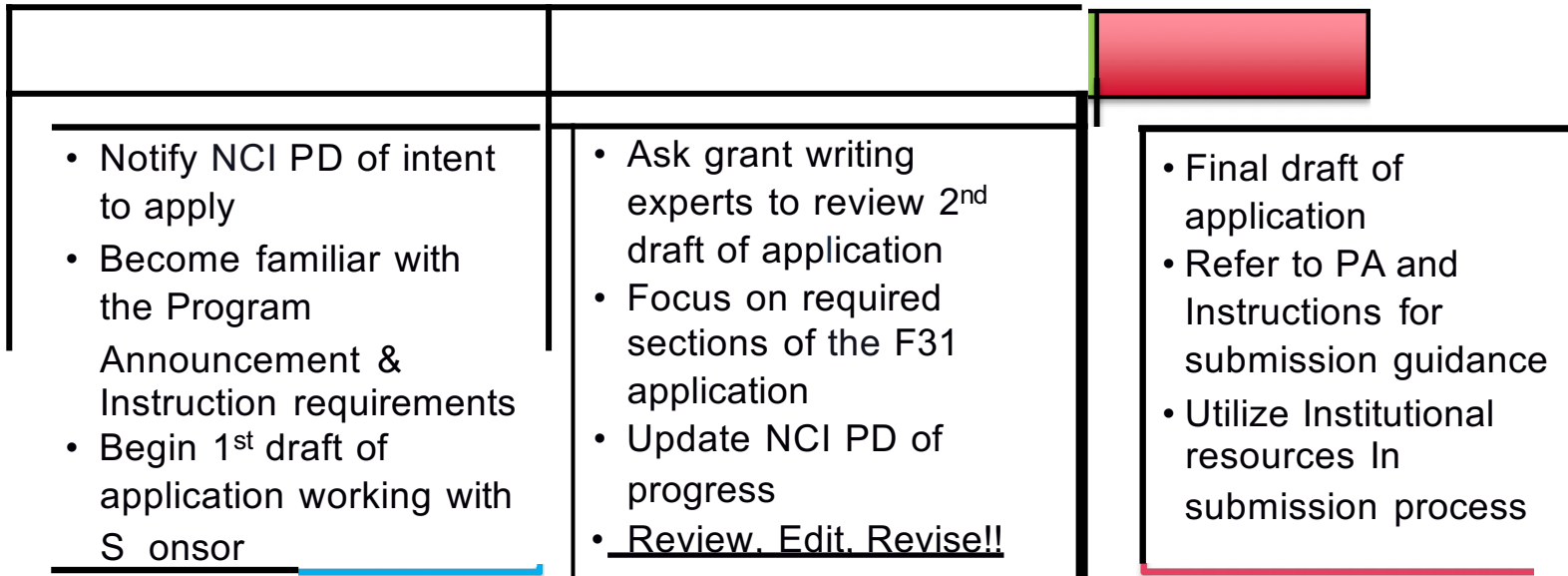
Submission
Deadline

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5 Important Elements of an F31 Diversity Application

1. Fellowship Applicant	2. Sponsors, Collaborators, and Consultants	3. Research Training Plan	4. Training Potential	5. Institutional Environment & Commitment to Training
<ul style="list-style-type: none">• Strong academic record• Some research experience• Excellent letters of recommendation• Eligibility letter	<ul style="list-style-type: none">• Sponsor is active, funded investigator in area of proposed research• Must devote time and commitment to trainees' success• Should have a history of mentoring success	<ul style="list-style-type: none">• Overall scientific impact• Specific Aims clearly described• Objective, Approach, Innovation, Significance	<ul style="list-style-type: none">• Highlight skills for Independent Career• Describe activities that support future career as an independent researcher	<ul style="list-style-type: none">• Explain selection of Institute• Discuss how features of scientific environment will enhance success



NCI Career Development Awards (K Awards)

■ Objectives:

- Provide protected time and salary support for 3-5 years of intensive training and research
- Promote career development activities to enhance candidate's research capabilities
- Expectation is that awardees will be prepared to lead independent research programs and become competitive for NIH research project grants

■ Requirements:

- An academically strong candidate with prior research experience and publications
- A well-defined research project with scientific impact and structured training activities
- Experienced, committed, & funded mentor/mentoring team (advisory committee for K22)
- Institutional commitment to candidate's career development and 75% protected time



NCI K Awards Supported by CRCHD

K Award	Mentored or Non Mentored	Research Focus	Salary up to	Max R&D Support	Duration
K01	Mentored	All Cancer-Related Research	\$100k	\$30k	3-5 years
K22	Non-Mentored			\$50k	3 years
K05	Mentored	Clinical, Translational & Patient-Oriented Research	Legislative salary cap	\$50k	3-5 years



FOAs: Clinical Trial Allowed vs Clinical Trials Not Allowed

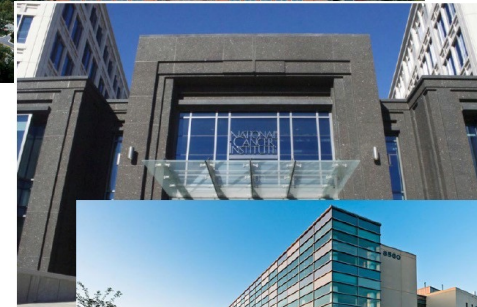
Newly Re-issued FOAs

- NCI **Mentored** Research Scientist Development Award to Promote Diversity (K01)
 - PAR-21-295: <https://grants.nih.gov/grants/guide/pa-files/PAR-21-295.html>
 - PAR-21-296: <https://grants.nih.gov/grants/guide/pa-files/PAR-21-296.html>
- NCI **Mentored** Clinical Scientist Research Career Development Award to Promote Diversity (K08)
 - PAR-21-299: <https://grants.nih.gov/grants/guide/pa-files/PAR-21-299.html>
 - PAR-21-300: <https://grants.nih.gov/grants/guide/pa-files/PAR-21-300.html>
- NCI **Transition** Career Development Award to Promote Diversity (K22)
 - PAR-21-301: <https://grants.nih.gov/grants/guide/pa-files/PAR-21-301.html>
 - PAR-21-302: <https://grants.nih.gov/grants/guide/pa-files/PAR-21-302.html>



Intramural CURE (iCURE) – Research Experiences at NCI

- Mentored research experiences on **NCI campuses** in Bethesda, Shady Grove (Rockville) and Frederick, Maryland
- Supports **postbacs** (2 years), **graduate students** (2 years) and **postdocs** (3 years)
- Next application receipt cycle is expected to start in Fall 2024 for research experiences starting in Fall 2025; website for more details on how to apply: <https://www.cancer.gov/about-nci/organization/crchd/diversity-training/icure>
- Centralized review and program-facilitated matches for scholars to NCI PIs; **applicants do not need to pre-identify a PI to apply**



Contact
Dr. Gregory Adams
Dr. Jessica Calzola



Basic Cancer Health Disparities (CHD) Research Grants (R03/R21/R01)

Important collaboration between DCB, DCP, and CRCHD

Science: Mechanistic studies that investigate biological/genetic basis of CHD

Eligibility: Open to any qualified researcher

Research project: Basic cancer disparities research, focus on racial/ethnic disparities

Contact
Dr. Tiffany Wallace
tiffany.wallace@nih.gov



Mechanism	Details
Basic Research in Cancer Health Disparities (R03) <i>new</i> https://grants.nih.gov/grants/guide/pa-files/par-21-324.html	<ul style="list-style-type: none"> • Pilot and feasibility studies/Secondary Analysis • No preliminary data required but encouraged • Budget: Direct Costs ≤ \$50k per year/Up to 2 years • Due date: 3 times per year (Standard Dates)
Basic Research in Cancer Health Disparities (R21) https://grants.nih.gov/grants/guide/pa-files/PAR-21-323.html	<ul style="list-style-type: none"> • Pilot and feasibility studies • No preliminary data required but encouraged • Budget: Direct Cost for 2 years ≤ \$275k; ≤ \$200k per yr. • Due date: 3 times per year (Standard Dates)
Basic Research in Cancer Health Disparities (R01) https://grants.nih.gov/grants/guide/pa-files/PAR-21-322.html	<ul style="list-style-type: none"> • Full project grant • Preliminary data required • Budget: No limit, but need to reflect the actual needs of the proposed project • Due date: 3 times per year (Standard Dates)



Early Investigator Advancement Program (EIAP)



Early Investigator Advancement Program (EIAP) seeks to promote the transition of early career investigators from diverse backgrounds to independent investigators.



Contact

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Program Components

Educate via Monthly Webinars (open to public)

Grant Application Preparation/Technical Assistance

Participant

Mentors and Professional Network

Virtual Hub Communication and Resources

Outcomes for Each Participant

- Complete and submit an R01 grant proposal by October
- Become part of a group of peers with similar career goals
- Engage with mentors who are established investigators
- Become familiar with job and funding opportunities
- Develop professional and management skills critical to growing a research group

<https://www.cancer.gov/about-nci/organization/crchd/diversity-training/eiap>



Collaborative Research Supplements: Overview of [PAR-22-114](#)

Purpose of this FOA

- Promote Cancer Health Disparities (CHO) research among NCI-funded non-disparity researchers and encourage collaboration with cancer disparities-focused researchers
- Accelerate and strengthen multi-disciplinary cancer disparities research in wide ranging areas



Contact

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Program Description/Requirements

- Parent grant must NOT have proposed CHO research questions as part of the original scientific aims.
- Two full years of active funding remaining at the time of application
- The 2-year administrative supplements are required to be within the scope of the parent award and should expand the original aims to include a cancer disparity component and a comparator.
- Collaborative teams are required between non cancer disparities investigator (i.e., applicant/parent grant PI) and investigator with CHO expertise.

Parent Grants Supported: P01, P20, P50, U19, U54, U56, UM2, R01, R37, U01, UG1, UM1

Budget: Direct Cost of \$1501</year, Total Cost of \$255 /year

Budget Period: 1-2 years for up to 2 years

Application Due Dates: January 23, 2024; September 06, 2024; January 23, 2025

Start Dates: August 2024; August 2025



CRCHD SUPPLEMENTS CAFÉ

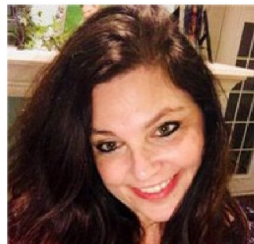


The **Professional Advancement Virtual Engagement Series (PAVES)** seeks to provide career skills development and professional networking opportunities for cancer and cancer health disparities professionals.

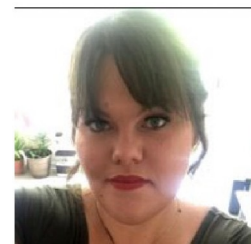
Monthly webinar topics include:

- Interviewing in a Virtual World
- Developing a Robust Research Strategy
- Best Practices for Aims Statement Development
- Diversity-Focused Cancer Research Training Opportunities

<https://ncihub.org/groups/crchdsupplements/paves>



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Tips for Grant Applications:

- Find NIH grants and funding information:
<https://grants.nih.gov/grants/oer.htm>
- Visit NIH extramural diversity website:
<https://extramural-diversity.nih.gov>
- Learn about peer review at NIH Center of Scientific Review:
<https://public.csr.nih.gov/ApplicantResources/Pages/default.aspx>





NIAID Samples

<https://www.niaid.nih.gov/grants-contracts/sample-applications>

Find sample applications and summary statements below by type::

- Research grants. [R01](#), [R03](#), [R15](#), [R21](#), and [R21/R33](#)
- Small business grants. [R41](#), [R42](#), [R43](#), and [R44](#)
- Training and career awards. [K01](#), [K08](#), and [F31](#)
- Extramural Associate Research Development Award. [G11](#)
- Cooperative agreements. [U01](#)

Find additional resources in the [NIAID and NIH Sample Forms, Plans, Letters, Emails, and More](#) section.

Acknowledgments



- All Training Navigator Program Participants
- Misty Pocwierz-Gaines (Lead Training Navigator)
- Yvonne Rodriguez (Assistant Training Navigator)
- Judy Bodewitz (Accountant III)

- Partner institutions in Nebraska
- Partner pathway programs (Youth Enjoy Science, Summer Undergraduate Research Program, High School Alliance, INBRE, T32 Cancer Biology Training Program)

- Funding from the NCI (P30CA036727-37S4)
- CRCHD for several of the slides included in this presentation

Thank you for attending



**Fred & Pamela Buffett
Cancer Center**



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Nebraska
Medical Center