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| FRED & PAMELA BUFFETT CANCER CENTER AMERICAN CANCER SOCIETY INSTITUTIONAL RESEARCH GRANTSEED GRANT PROGRAM 2023 APPLICATIONAPPLICATION DEADLINE: 11:59 PM CT, FRIDAY, SEPTEMBER 29  |
| **PRINCIPAL INVESTIGATOR BIOGRAPHICAL INFORMATION** |
| **Name** (first and last):**Degree(s)**: **Position Title****Department****School/College** |  |
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| **APPLICANT CITIZENSHIP STATUS:** *Check appropriate box.*[ ] U.S. citizen or U.S. national[ ]  U.S. permanent resident[ ]  U.S. visa holder**\***(**\***Must have a visa that will remain active throughout the proposed project period.) |
| **APPLICANT ELIGIBILITY:** *Applicants must be within six years of their first independent faculty appointment, be a salaried, full-time NU faculty member at the level of assistant professor or equivalent with appropriate committed research resources, and not hold competitive national research grant funding active at the proposed project start date.***Date first independent faculty position began (MM/DD/YYYY):**   |
| **VERIFICATION OF APPLICANT ELIGIBILITY BY DEPARTMENT CHAIR:** |
| **Name of Department Chair:** |  |
|  |
| **Signature of Department Chair:** |   | **Date:**  |  |  |
| **APPLICANT MENTOR:** (*Successful candidates will identify and work closely with an appropriate institutional mentor.)* |
| **Name of Mentor:** |  |
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| **Applicant Signature:** |  |  **Date:** |  |  |

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| **RESEARCH PROJECT INFORMATION** |
| **PROJECT TITLE:** (200-character maximum)**Degree(s)**:**Academic Title****Department****School/College** |
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| **DOES THE PROJECT INVOLVE HUMAN SUBJECTS?** Yes [ ]  No [ ] **If “Yes” to Human Subjects, is the project exempt from federal regulations?** Yes [ ]  No [ ]  **If “Yes” to exempt, check appropriate exemption number below and provide justification in the space below (attach additional pages if necessary):**  |
| **Exemptions: 1** [ ]  **2** [ ]  **3** [ ]  **4** [ ]  **5** [ ]  **6** [ ]  **7** [ ]  **8** [ ]  |
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| **If “No” to Human Subjects, does the proposed research involve human specimens and/or data?**Yes [ ]  No [ ] **If “Yes” to human specimens and/or data, provide an explanation of why the project does not involve human subjects research in the space below (attach additional pages if necessary):** |
|  |
| **DOES THE PROJECT INVOLVE VERTEBRATE ANIMALS?** Yes [ ]  No [ ] **If “Yes” to Vertebrate Animals, are the animals euthanized?** Yes [ ]  No [ ] **If “Yes” to euthanasia, is the method consistent with AVMA guidelines?** Yes [ ]  No [ ]  **If “No” to AVMA guidelines, describe the method and provide scientific justification in the space provided below (attach additional pages if necessary):** |
|  |
| **DOES THE PROJECT INVOLVE SELECT AGENT(S)?** Yes [ ]  No[ ] (*See Federal Select Agent Program list:* [*https://www.selectagents.gov/SelectAgentsandToxinsList.html*](https://www.selectagents.gov/SelectAgentsandToxinsList.html)*)***If “Yes” to Select Agent(s), is/are the agent(s) excluded from federal regulations?** Yes [ ]  No [ ] *(See FSAP exclusions: https://www.selectagents.gov/SelectAgentsandToxinsExclusions.html)*  |

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| **RESEARCH PROJECT INFORMATION, CONTINUED** |
| **CANCER CENTER SHARED RESOURCES:****IF** the proposed project will utilize any of the Buffett Cancer Center-supported shared resources / core facilities listed below, check the boxes *as applicable*: |
| * Advanced Microscopy: UNMC Advanced Microscopy Core Facility
* Bioinformatics: UNMC Bioinformatics and Systems Biology Core Facility
* Biostatistics: UNMC Center for Collaboration on Research Design and Analysis (CCORDA)
* Flow Cytometry: UNMC Flow Cytometry Research Facility
* Molecular Biology: UNMC Genomics Core Facility and Eppley Institute Molecular Biology / HTS Core Facility
* Pathology: UNMC Tissue Sciences Facility and Tissue Procurement Shared Resource
* Preclinical Imaging: UNMC In Vivo Imaging Core Facility, Echocardiography Imaging Facility, and Multiphoton Intravital & Tissue Imaging Core
* Structural Biology: UNMC NMR Facility and Eppley Institute Structural Biology Facility
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| **CANCER CENTER COMMUNITY OUTREACH AND ENGAGEMENT:**Buffett Cancer Center (BCC) Community Outreach and Engagement (COE) efforts are focused on reducing the cancer burden, promoting health equity, and eliminating cancer health disparities in Nebraska through collaboration with community, clinical, and public health partners. BCC COE has the following aims:* Understand, measure, and monitor the cancer incidence, mortality, determinants, community needs, and disparities in Nebraska over time.
* Facilitate and enable the conduct of research directly relevant to the needs in Nebraska and improve access to clinical trials across the state.
* Engage Nebraskans and implement evidence-based actions that can reduce the burden of risk factors and cancers at a population level.
* Promote translation of BCC research with support from strong community partnerships to inform state cancer policies.

To access the 2022 Nebraska Statewide Cancer Needs Assessment Report and the 2021 Nebraska Community Health Needs Assessment Reports, visit: <https://www.unmc.edu/cancercenter/outreach/coeo/coeo-reports.html>**USE** the space below to briefly describe how the project will support the BCC COE aims.  |
|  |
| **CANCER CENTER CANCER RESEARCH TRAINING AND EDUCATION:**Buffett Cancer Center (BCC) Cancer Research Training and Education (CRTE) efforts are focused on overseeing training and education relevant to cancer to ensure the development of future cancer researchers in Nebraska, while complementing the ongoing research in the BCC research programs by taking a central role in driving the progress of cancer research forward. BCC CRTE has the following aims:* Provide cancer-related education and training to middle, high school, and undergraduate students in programs which emphasize the inclusion of students who are disadvantaged.
* Educate students who are in graduate and professional programs in cancer research to prepare them for academic, industry, and clinical leadership positions.
* Offer training to enable fellows, junior faculty, and senior faculty members to reach high educational and research goals focused on cancer.

**USE** the space below to briefly describe how the project will support the BCC CRTE aims.  |
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| **CANCER CENTER DIVERSITY, EQUITY AND INCLUSION:**As an NCI-designated cancer center, the Buffett Cancer Center’s (BCC) Diversity, Equity and Inclusion (DEI) efforts are focused on ensuring that all Americans share equally in the medical advances that result from cancer research, and that current disparities in the burden of cancer are reduced or eliminated. BCC DEI aims include:* Enhance participation of women, minorities, and individuals from groups nationally underrepresented in the research workforce and center membership.
* Support career-enhancing research opportunities for junior, early- and mid-career researchers, including those from diverse backgrounds.
* Expand the pipeline of members of diverse backgrounds through training or mentoring opportunities to encourage participation of students, postdoctoral researchers, and co-investigators from diverse backgrounds, including those groups shown to be nationally underrepresented in the research workforce.

**USE** the space below to briefly describe how the project will support the BCC DEI aims, *if applicable*. |
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| DETAILED BUDGET FOR INITIAL BUDGET PERIODDIRECT COSTS ONLY | FROM | THROUGH |
| 1 Dec 2023 | 30 Nov 2024 |

 List PERSONNEL *(Applicant organization only)* Use Cal, Acad, or Summer to Enter Months Devoted to Project

 Enter Dollar Amounts Requested *(omit cents)* for Salary Requested and Fringe Benefits

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| NAME | ROLE ONPROJECT | Cal.Mnths | Acad.Mnths | SummerMnths | INST.BASESALARY | SALARYREQUESTED | FRINGEBENEFITS | TOTAL |
|       | PD/PI |       |       |       |       |       |       |       |
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| SUBTOTALS |       |       |       |
| CONSULTANT COSTS      |       |
| EQUIPMENT *(Itemize)*      |       |
| SUPPLIES *(Itemize by category)*      |       |
| TRAVEL      |       |
| INPATIENT CARE COSTS       |       |
| OUTPATIENT CARE COSTS       |       |
| ALTERATIONS AND RENOVATIONS *(Itemize by category)*      |       |
| OTHER EXPENSES *(Itemize by category)*      |       |
| CONSORTIUM/CONTRACTUAL COSTS | DIRECT COSTS |       |
| SUBTOTAL DIRECT COSTS FOR INITIAL BUDGET PERIOD *(Item 7a, Face Page)* | $ |       |
| CONSORTIUM/CONTRACTUAL COSTS | FACILITIES AND ADMINISTRATIVE COSTS |       |
| TOTAL DIRECT COSTS FOR INITIAL BUDGET PERIOD  | $ |       |

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**BUDGET JUSTIFICATION**

**Personnel:**

List all personnel, including names, effort, and roles on the project.

For each person named on the project, it is recommended that the following information be included for clarity:

1. Role, position, department/institution, and suitability to project: Enter relevant work or accomplishment here, which demonstrates suitability to project).
2. Specific role in project (e.g. directing the project, contributing a specific expertise, showing how this is the best person to lead the project.)
3. Commitment of effort to project: S/He is committed to the project for x calendar months.

Example: **John Smith, Ph.D., PI, (1.5 calendar months),** will serve as Principal Investigator and Project Director on this project. Associate Professor in the Department of X at the University of Nebraska Medical Center, he has researched XYZ extensively, and has over X years of highly regarded work in the field. He will have overall responsibility for all aspects of the project, and will be responsible for organizing and chairing meetings of the advisory committee. In addition, he will be serving as the lead investigator of the XYZ investigation.

**Supplies:**

**Other Expenses:**

**DESCRIPTION OF RESEARCH PROPOSED**

**Scientific Abstract** (400-word maximum)

**Lay Abstract** (250-word maximum)

**Research Plan:**

## Specific Aims (1-page maximum)

1. **Background, Significance, and Innovation**
2. **Preliminary Studies** (if applicable)

## Approach

1. **Statement of Cancer Relevance** (6-page maximum for sections B–E)
2. **References Cited**
3. **Regulatory compliance information**, including the following sections as applicable:
	* **Protection of Human Subjects** (including **1.** *Risks to Subjects* [with **a.** *Human Subjects Involvement, Characteristics, and Design* and **b.** *Study Procedures, Materials, and Potential Risks*], **2.** *Adequacy of Protection Against Risks* [with **a.** *Informed Consent and Assent*, **b.** *Protections Against Risk*, and **c.** *Vulnerable Subjects, if relevant*]*,* **3.** *Potential Benefits of Proposed Research to Subjects and Others*, and **4.** *Importance of Knowledge to Be Gained*, as applicable);
	* **Vertebrate Animals** (including **1.** *Description of Procedures*, **2.** *Justifications*, and **3.** *Minimization of Pain and Distress*); and
	* **Select Agent Research** (including **1.** *Identification of Agent(s)*, **2.** *Entity Registration Status*, and **3.** *Description of Facilities*).

OMB No. 0925-0001 and 0925-0002 (Rev. 10/2021 Approved Through 01/31/2026)

**BIOGRAPHICAL SKETCH**

Provide the following information for the Senior/key personnel and other significant contributors.
Follow this format for each person. **DO NOT EXCEED FIVE PAGES.**

NAME:

eRA COMMONS USER NAME (credential, e.g., agency login):

POSITION TITLE:

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.)*

| INSTITUTION AND LOCATION | DEGREE*(if applicable)* | Completion DateMM/YYYY | FIELD OF STUDY |
| --- | --- | --- | --- |
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**A. Personal Statement**

**B. Positions, Scientific Appointments, and Honors**

**C. Contributions to Science**

## OTHER RESEARCH SUPPORT

**PI Name**

**Active**

Project Number (Project Contact PI Name) Project Dates Applicant’s Effort (Calendar months)

Sponsor Name Project Annual Direct Costs

Project Title

Applicant’s Role on Project:

The major goals of this project are \_\_\_.

**Pending**

Project Number (Project Contact PI Name) Project Dates Applicant’s Effort (Calendar months)

Sponsor Name Project Annual Direct Costs

Project Title

Applicant’s Role on Project:

The major goals of this project are \_\_\_.

## Overlap

Summarize any potential overlap with all active or pending projects and this application in terms of the science, budget, and an individual’s committed effort.

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| **UNDERREPRESENTED POPULATIONS INFORMATION** |
| **Underrepresented Populations in the U.S. Biomedical, Clinical, Behavioral, and Social Sciences Research Enterprise** |
| Despite advancements in scientific research, some populations have not had access to cutting-edge research and training opportunities and do not participate fully in the U.S. sciences research workforce. These underrepresented populations are identified using an evidence-based approach that considers reports from the National Science Foundation, national data sets, and data from the U.S. Department of Health and Human Services. The National Institutes of Health encourages institutions to diversify their student and faculty populations to enhance the participation of individuals from groups that are underrepresented in the biomedical, clinical, behavioral, and social sciences. Innovation and scientific discovery are enhanced by including individuals from diverse groups, including those that are underrepresented in the U.S. sciences research enterprise. Underrepresented groups include individuals from certain racial / ethnic groups, individuals with disabilities, individuals from disadvantaged backgrounds, and women.The National Cancer Institute also requires NCI-designated cancer centers to develop a Plan to Enhance Diversity. NIH and NCI are committed to ensuring that all Americans share equally in the medical advances that result from cancer research and that current disparities in the burden of cancer are reduced or eliminated. Diversity creates stronger cancer science and is a critical step in reducing the cancer burden for a diverse America.Definitions and more information about underrepresented populations are available in the [Notice of NIH's Interest in Diversity (NOT-OD-20-031)](https://mcas-proxyweb.mcas.ms/certificate-checker?login=false&originalUrl=https%3A%2F%2Fgrants.nih.gov.mcas.ms%2Fgrants%2Fguide%2Fnotice-files%2FNOT-OD-20-031.html%3FMcasTsid%3D20893&McasCSRF=6e1b18c1f66974ae4bf81619e6d570e79a0cc1ef36b7fa63eb632cf69d4fb2f6) and on the [NIH Diversity in Extramural Programs website](https://extramural-diversity.nih.gov/diversity-matters), and more information about Plans to Enhance Diversity in NCI-designated cancer centers is available in the [Cancer Center Support Grant program announcement](https://grants.nih.gov/grants/guide/pa-files/PAR-21-321.html). |
| **1. Is the Principal Investigator a member of an underrepresented population or populations per** [**NOT-OD-20-031**](https://grants.nih.gov/grants/guide/notice-files/NOT-OD-20-031.html)**?** [ ]  **Yes**[ ]  **No** [ ]  **Prefer not to answer**  |
| **2. If “Yes” to Question 1, indicate which underrepresented population(s) by checking the appropriate box(es) below:**[ ]  **A. Individuals from racial and ethnic groups that have been shown by the National Science Foundation to be underrepresented in health-related sciences on a national basis** (see data at [http://www.nsf.gov/statistics/showpub.cfm?TopID=2&SubID=27](https://mcas-proxyweb.mcas.ms/certificate-checker?login=false&originalUrl=http%3A%2F%2Fwww.nsf.gov.mcas.ms%2Fstatistics%2Fshowpub.cfm%3FTopID%3D2%26SubID%3D27%26McasTsid%3D20893&McasCSRF=6e1b18c1f66974ae4bf81619e6d570e79a0cc1ef36b7fa63eb632cf69d4fb2f6) and the report [Women, Minorities, and Persons with Disabilities in Science and Engineering](https://mcas-proxyweb.mcas.ms/certificate-checker?login=false&originalUrl=https%3A%2F%2Fwww.nsf.gov.mcas.ms%2Fstatistics%2Fwomen%2F%3FMcasTsid%3D20893&McasCSRF=6e1b18c1f66974ae4bf81619e6d570e79a0cc1ef36b7fa63eb632cf69d4fb2f6)). The following racial and ethnic groups have been shown to be underrepresented in biomedical research: Blacks or African Americans, Hispanics or Latinos, American Indians or Alaska Natives, Native Hawaiians and other Pacific Islanders. In addition, it is recognized that underrepresentation can vary from setting to setting; individuals from racial or ethnic groups that can be demonstrated convincingly to be underrepresented by the grantee institution should be encouraged to participate in NIH programs to enhance diversity. For more information on racial and ethnic categories and definitions, see the OMB Revisions to the Standards for Classification of Federal Data on Race and Ethnicity ([https://www.govinfo.gov/content/pkg/FR-1997-10-30/html/97-28653.htm](https://mcas-proxyweb.mcas.ms/certificate-checker?login=false&originalUrl=https%3A%2F%2Fwww.govinfo.gov.mcas.ms%2Fcontent%2Fpkg%2FFR-1997-10-30%2Fhtml%2F97-28653.htm%3FMcasTsid%3D20893&McasCSRF=6e1b18c1f66974ae4bf81619e6d570e79a0cc1ef36b7fa63eb632cf69d4fb2f6)).[ ]  **B. Individuals with disabilities**, defined as those with a physical or mental impairment that substantially limits one or more major life activities, as described in the [Americans with Disabilities Act of 1990, as amended](https://mcas-proxyweb.mcas.ms/certificate-checker?login=false&originalUrl=https%3A%2F%2Fwww.ada.gov.mcas.ms%2Flaw-and-regs%2Fada%2F%3FMcasTsid%3D20893&McasCSRF=6e1b18c1f66974ae4bf81619e6d570e79a0cc1ef36b7fa63eb632cf69d4fb2f6). See NSF data at, [https://www.nsf.gov/statistics/2017/nsf17310/static/data/tab7-5.pdf](https://mcas-proxyweb.mcas.ms/certificate-checker?login=false&originalUrl=https%3A%2F%2Fwww.nsf.gov.mcas.ms%2Fstatistics%2F2017%2Fnsf17310%2Fstatic%2Fdata%2Ftab7-5.pdf%3FMcasTsid%3D20893&McasCSRF=6e1b18c1f66974ae4bf81619e6d570e79a0cc1ef36b7fa63eb632cf69d4fb2f6).[ ]  **C. Individuals from disadvantaged backgrounds**, defined as those who meet *two or more* of the following criteria: **1.**Were or currently are homeless, as defined by the McKinney-Vento Homeless Assistance Act  (Definition: [https://nche.ed.gov/mckinney-vento/](https://mcas-proxyweb.mcas.ms/certificate-checker?login=false&originalUrl=https%3A%2F%2Fnche.ed.gov.mcas.ms%2Flegislation%2Fmckinney-vento%2F%3FMcasTsid%3D20893&McasCSRF=6e1b18c1f66974ae4bf81619e6d570e79a0cc1ef36b7fa63eb632cf69d4fb2f6)); **2.**Were or currently are in the foster care system, as defined by the Administration for Children and Families  (Definition: <https://www.acf.hhs.gov/cb/focus-areas/foster-care>); **3.**Were eligible for the Federal Free and Reduced Lunch Program for two or more years (Definition: [https://www.fns.usda.gov/school-meals/income-eligibility-guidelines](https://mcas-proxyweb.mcas.ms/certificate-checker?login=false&originalUrl=https%3A%2F%2Fwww.fns.usda.gov.mcas.ms%2Fcn%2Fincome-eligibility-guidelines%3FMcasTsid%3D20893&McasCSRF=6e1b18c1f66974ae4bf81619e6d570e79a0cc1ef36b7fa63eb632cf69d4fb2f6)); **4.**Have/had no parents or legal guardians who completed a bachelor’s degree (see [https://nces.ed.gov/pubs2018/2018009.pdf](https://mcas-proxyweb.mcas.ms/certificate-checker?login=false&originalUrl=https%3A%2F%2Fnces.ed.gov.mcas.ms%2Fpubs2018%2F2018009.pdf%3FMcasTsid%3D20893&McasCSRF=6e1b18c1f66974ae4bf81619e6d570e79a0cc1ef36b7fa63eb632cf69d4fb2f6)); **5.**Were or currently are eligible for Federal Pell grants (Definition: [https://www2.ed.gov/programs/fpg/eligibility.html](https://mcas-proxyweb.mcas.ms/certificate-checker?login=false&originalUrl=https%3A%2F%2Fwww2.ed.gov.mcas.ms%2Fprograms%2Ffpg%2Feligibility.html%3FMcasTsid%3D20893&McasCSRF=6e1b18c1f66974ae4bf81619e6d570e79a0cc1ef36b7fa63eb632cf69d4fb2f6)); **6.**Received support from the Special Supplemental Nutrition Program for Women, Infants and Children (WIC) as a parent  or child (Definition: [https://www.fns.usda.gov/wic/wic-eligibility-requirements](https://mcas-proxyweb.mcas.ms/certificate-checker?login=false&originalUrl=https%3A%2F%2Fwww.fns.usda.gov.mcas.ms%2Fwic%2Fwic-eligibility-requirements%3FMcasTsid%3D20893&McasCSRF=6e1b18c1f66974ae4bf81619e6d570e79a0cc1ef36b7fa63eb632cf69d4fb2f6)); **7.**Grew up in one of the following areas**\***:  **a)**a U.S. rural area, as designated by the Health Resources and Services Administration (HRSA) Rural Health Grants  Eligibility Analyzer ([https://data.hrsa.gov/tools/rural-health](https://mcas-proxyweb.mcas.ms/certificate-checker?login=false&originalUrl=https%3A%2F%2Fdata.hrsa.gov.mcas.ms%2Ftools%2Frural-health%3FMcasTsid%3D20893&McasCSRF=6e1b18c1f66974ae4bf81619e6d570e79a0cc1ef36b7fa63eb632cf69d4fb2f6)), *or* **b)**a Centers for Medicare and Medicaid Services-designated Low-Income and Health Professional Shortage  Areas (qualifying zip codes are included in the file available at:  <https://grants.nih.gov/grants/guide/notice-files/NOT-OD-20-031.html>).   **\****Only one of the two possibilities in #7 can be used as a criterion for the disadvantaged background definition.* Students from low socioeconomic (SES) status backgrounds have been shown to obtain bachelor’s and advanced degrees at  significantly lower rates than students from middle and high SES groups  (see [https://nces.ed.gov/programs/coe/indicator\_tva.asp](https://mcas-proxyweb.mcas.ms/certificate-checker?login=false&originalUrl=https%3A%2F%2Fnces.ed.gov.mcas.ms%2Fprograms%2Fcoe%2Findicator_tva.asp%3FMcasTsid%3D20893&McasCSRF=6e1b18c1f66974ae4bf81619e6d570e79a0cc1ef36b7fa63eb632cf69d4fb2f6)), and are subsequently less likely to be represented in biomedical  research. For background, see Department of Education data at, <https://nces.ed.gov/>; [https://nces.ed.gov/programs/coe/indicator\_tva.asp](https://mcas-proxyweb.mcas.ms/certificate-checker?login=false&originalUrl=https%3A%2F%2Fnces.ed.gov.mcas.ms%2Fprograms%2Fcoe%2Findicator%2Fspotlight-archive%2F%3FMcasTsid%3D20893&McasCSRF=6e1b18c1f66974ae4bf81619e6d570e79a0cc1ef36b7fa63eb632cf69d4fb2f6);  <https://www2.ed.gov/rschstat/research/pubs/advancing-diversity-inclusion.pdf>.[ ]  **D. Women in the biomedical workforce.** Literature shows that women from the above backgrounds (categories **A**, **B**, and **C**) face particular challenges at the graduate level and beyond in scientific fields. (See, e.g., From the NIH: A Systems Approach to Increasing the Diversity of Biomedical Research Workforce [https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5008902/](https://mcas-proxyweb.mcas.ms/certificate-checker?login=false&originalUrl=https%3A%2F%2Fwww.ncbi.nlm.nih.gov.mcas.ms%2Fpmc%2Farticles%2FPMC5008902%2F%3FMcasTsid%3D20893&McasCSRF=6e1b18c1f66974ae4bf81619e6d570e79a0cc1ef36b7fa63eb632cf69d4fb2f6)). Women have been shown to be underrepresented in doctorate-granting research institutions at senior faculty levels in most biomedical-relevant disciplines, and may also be underrepresented at other faculty levels in some scientific disciplines (See data from the National Science Foundation National Center for Science and Engineering Statistics: Women, Minorities, and Persons with Disabilities in Science and Engineering, special report available at [https://www.nsf.gov/statistics/2017/nsf17310/](https://mcas-proxyweb.mcas.ms/certificate-checker?login=false&originalUrl=https%3A%2F%2Fwww.nsf.gov.mcas.ms%2Fstatistics%2F2017%2Fnsf17310%2F%3FMcasTsid%3D20893&McasCSRF=6e1b18c1f66974ae4bf81619e6d570e79a0cc1ef36b7fa63eb632cf69d4fb2f6), especially Table 9-23, describing science, engineering, and health doctorate holders employed in universities and 4-year colleges, by broad occupation, sex, years since doctorate, and faculty rank). Upon review of NSF data, and scientific discipline or field related data, NIH encourages institutions to consider women for faculty-level, diversity-targeted programs to address faculty recruitment, appointment, retention, or advancement. |