UNIVERSITY OF
NORTHERN
COLORADO

Grants Resource Center
Faculty Training Sessions

Take a Deep Dive into Grant-Finding Tools Available to UNC Faculty via the Grants Resource Center Database

September 26, 2024

Join the Grants Resource Center (GRC) for a deep dive into UNC's online grants resources and services, **with a particular focus on grant-finding tools available to faculty.**

GRC has several resources available online that faculty and staff can **use to find grant opportunities** to support their projects, including the GrantSearch database, Faculty Alerts emails, sample funded proposals, and GRC's online grants publications.

GRC staff will walk participants through the process of creating a login and then how to use key grant-finding resources.

Register for one ore more available time slots:

September 26, 2024, 9:00 a.m. MT. <u>Register here</u>.

This Week's New Funding Opportunities

Impact of Exercise and Dehydration on Beverage Preferences

Proposal Deadline: October 31, 2024

Synopsis

It is widely known that the body's physiological responses differ in a hydrated vs. dehydrated state. For instance, dehydration can disrupt electrolyte balance, slow metabolism, impair digestion, alter appetite, and reduce energy levels.These differences in hydration status can ultimately impact both cognitive and physical performance during exercise, and may also influence food and drink cravings.

Research on the effects of salt, sugar, and hedonic factors (related to sensory enjoyment) on beverage consumption has been extensive. However, the synergistic effects of optimizing these flavor intensities and the desire to drink in various hydration states remain unclear. Do consumers experience different flavor cravings in a dehydrated state compared to a hydrated state? Or do their favorite flavors remain consistent across different hydration states? Ultimately, does offering consumers their preferred flavor encourage greater fluid intake compared to presenting them with their least favorite flavor or just plain water?

For complete program information, <u>please click here.</u>

American Association of University Women: Career Development Grants

Proposal Deadline: November 15, 2024

Synopsis

Career Development Grants supports the career progression of women by funding to women preparing to advance or change careers or re-enter the workforce. Primary consideration is given to women pursuing their first advanced degree or credentials in education, health and medicine, science, technology, engineering and math (STEM) and social sciences. Grants are available to support full-time or part-time coursework such as a second bachelor's or first master's degree, a certification program, or specialized training in these fields.

For complete program information, **<u>please click here.</u>**

Center for Hellenic Studies: Fellowships in Hellenic Studies

Proposal Deadline: November 16, 2024

Synopsis

The purpose of the residential fellowship program is to encourage and support scholarship of the highest quality on topics related to ancient Greek civilization (e.g., archaeology, art history, epigraphy, history, literary criticism, philology, philosophy, pedagogical applications, reception, and interdisciplinary studies). The program aims to foster interaction among researchers from diverse backgrounds and regions of the world. Accordingly, the CHS welcomes projects with a traditional basis in Classics and those that adopt collaborative or interdisciplinary approaches to the field of Hellenic studies drawn from fields across the humanities, social sciences, and/or natural sciences.

In addition to supporting scholars working independently, the CHS also welcomes applications from individuals engaged in collaborative research projects (such as co-written or co-edited volumes, digital databases, or software tools). Each member of a collaboration should apply individually for a fellowship and describe the nature of the collaboration on the application form.

For complete program information, **<u>please click here.</u>**

American Philosophical Society: Franklin Research Grants

Proposal Deadline: December 2, 2024

Synopsis

The Franklin program is particularly designed to help meet the costs of travel to libraries and archives for research purposes; the purchase of microfilm, photocopies, or equivalent research materials; the costs associated with fieldwork; or laboratory research expenses.

For complete program information, **<u>please click here.</u>**

American Statistical Association/National Science Foundation/U.S. Census Bureau: Research Fellowship Program

Proposal Deadline: December 10, 2024

Synopsis

The ASA/NSF/Census ResearchFellowship Program is designed tobridge the gap between governmentand academic science. It allows seniorresearch fellows to come to the U.S.Census Bureau, where they mayinteract with agency staff and useagency data when developing orimproving methodology.

For complete program information, **<u>please click here.</u>**

National Science Foundation: Molecular Foundations for Biotechnology

Proposal Deadline: December 16, 2024

Synopsis

This initiative supports fundamentally new approaches in molecular sciences to drive new directions in biotechnology, a critical and emerging technology of the 21st century. This is the fourth year of a campaign targeting broad themes to be pursued through collaborative high risk/high reward projects.

This MFB solicitation calls for creative, cross-disciplinary research and technology development proposals to accelerate understanding of RNA function in complex biological systems and to harness RNA research to advance biotechnology.

The funding opportunity will be coordinated by the National Science Foundation together with the National Institutes of Health, National Human Genome Research Institute (NHGRI). The focus on RNA science advances (1) Biotechnology innovation for a sustainable, safe and secure American bioeconomy; (2) the NSF 2022-2026 Strategic Plan to create new knowledge and benefit society by translating knowledge into solutions; (3) the NHGRI 2020 Strategic Vision for improving human health at the Forefront of Genomics; and aligns with (4) the NASEM Report calling for deeper understanding of RNA modifications and their role in biological processes.

For complete program information, **please click here.**

National Science Foundation:
Pathways to Enable Open-Source Ecosystems

Proposal Deadline: January 14, 2025

Synopsis

The Pathways to Enable Open-Source Ecosystems (POSE) program aims to harness the power of open-source development for the creation of new technology solutions to problems of national and societal importance. Many NSF-funded projects result in publicly accessible, modifiable, and distributable open-source products, including software, hardware, models, specifications, programming languages, or data platforms that catalyze further innovation. In some cases, an open-source product that shows potential for wide adoption forms the basis for a self-sustaining open-source ecosystem (OSE) that comprises a leadership team; a managing organization with a well-defined governance structure and distributed development model; a cohesive community of external intellectual content developers; and a broad base of users across academia, industry, and/or government. The overarching vision of POSE is that proactive and intentional formation of managing organizations will ensure broader and more diverse adoption of open-source products; increased coordination of external intellectual content developer contributions; and a more focused route to technologies with broad societal impact. Toward this end, the POSE program supports the formation of new OSE managing organizations based on an existing open-source product or class of products, whereby each organization is responsible for the creation and management of processes and infrastructure needed for the efficient and secure development and maintenance of an OSE.

For complete program information, **please click here.**

National Science Foundation:
Innovations in Graduate Education (IGE)

Proposal Deadline: March 25, 2025

Synopsis

The Innovations in Graduate Education (IGE) Program is designed to encourage development and implementation of bold, new, and potentially transformative approaches to STEM graduate education training. The program seeks proposals that a) explore ways for graduate students in STEM master's and doctoral degree programs to develop the skills, knowledge, and competencies needed to pursue a range of STEM careers, or b) support research on the graduate education system and outcomes of systemic interventions and policies.

IGE projects are intended to generate the knowledge required for the customization, implementation, and broader adoption of potentially transformative approaches to graduate education. The program supports piloting, testing, and validating novel models or activities and examining systemic innovations with high potential to enrich and extend the knowledge base on effective graduate education approaches.

The program addresses both workforce development, emphasizing broad participation, and institutional capacity-building needs in graduate education. Strategic collaborations with the private sector, non-governmental organizations (NGOs), government agencies, national laboratories, field stations, teaching and learning centers, informal science organizations, and academic partners are encouraged.

For complete program information, **please click here.**

National Science Foundation:
Multilateral Partnerships Leveraging Excellence

Proposal Deadline: Full proposal accepted anytime

Synopsis

Many of the most pressing challenges in research and innovation require collaboration across national and disciplinary boundaries to achieve important advances. A growing number of topics are best addressed on a multilateral basis, building partnerships that leverage diverse expertise, data, infrastructure, and perspectives to advance understanding on critical topics of regional or global importance. At the same time, funders, research organizations, and researchers alike typically have limited experience with multilateral partnerships.

The Office of International Science and Engineering's MultiPLEx program seeks to support visionary, and ambitious international multilateral research partnerships that are required to hasten progress in addressing grand challenges by leveraging research excellence in the U.S. and around the globe. The program also seeks to advance understanding of effective multilateral collaboration.

MultiPLEx welcomes proposals that

- Address urgent research and/or societal challenge of global importance (including but not limited to critical and emerging technology research) and require an inherently international multilateral approach to achieve impactful research results, partnering with at least two countries other than the U.S. Proposals that engage partners across distinct geographic regions are an area of interest.
- Make clear how the proposed international collaboration will enable research advances and broader impacts that go beyond what can be accomplished by a narrower team.
- Include a diverse group of U.S. institutions and/or individuals, leveraging the full range of talent that society has to offer

For complete program information, **please click here.**

Upcoming Webinars/Info Sessions

VentureWell Ecosystem Futures Fellowship
Info Sessions

October 2, 2024 - 10:00 AM MT

Are you interested in applying for the VentureWell Ecosystem Futures Fellowship but want to learn more? Join us for one of our upcoming informational sessions, where we will provide detailed insights into the fellowship and the application process and answer any questions you may have.

Register here to join

NSF Office Hours: Ethical and Responsible Research

October 4, 2024 - 1:00 PM MT

Join NSF Program Officer Dr. Jason Borenstein to discuss the National Science Foundation's Ethical and Responsible Research (ER2) Program. The event will include a brief introduction to NSF and the Social, Behavioral, and Economic Directorate. Then, we will discuss the ER2 funding opportunity and program goals. Dr. Borenstein will also offer details about the application process for this opportunity and there will be time for Q&A. The Ethical and Responsible Research (ER2) program aims to support fundamental research about what constitutes or promotes responsible and ethical conduct of research (RECR). The ER2 program seeks to encourage science, technology, engineering and mathematics

(STEM) researchers, practitioners and educators at all career stages to conduct research with integrity and to educate others about RECR.

Register here to join

NSF Fireside Chat: Use-Inspired Research

October 9, 2024 - 12:00 PM MT

Join Erwin Gianchandani, US National Science Foundation assistant director for Technology, Innovation and Partnerships for a fireside chat exploring the intersection of fundamental science and practical applications.

Hear from NSF program officers and NSF-funded PIs as they share their insights on:

- What use-inspired research is
- How it aligns with your work
- Why federal funders, like the NSF, are increasingly embracing this innovative approach

Register here to join

NIH Webinar: How Do Diverse Perspectives Enhance Data Science Outcomes?

October 17, 2024 - 11:30 AM MT

The 2024–2025 Scientific Workforce Diversity Seminar Series kicks off with a conversation on the benefits of diverse perspectives in data science. Panelists will:

- Discuss strategies to recognize and address bias in data science, including ensuring equitable representation in research spaces and increasing diverse participation.
- Highlight the benefits of an inclusive environment and diverse perspectives of data science researchers and data sets in this scientific field.
- Describe how diverse representation enhances machine learning and artificial intelligence accuracy, particularly in the context of health sciences, such as in electronic health record data sets.

Register here to join

Previously Annouced Funding Opportunities

New York Public Library: Scholars-in-Residence Program

Proposal Deadline: December 1, 2024

Synopsis

Supports research on black history, literature, and culture with access to resources at both the Schomburg Center as well as other NY Public Library research units. Projects must focus on the history, literature, and culture of peoples of African descent from a humanistic perspective or on other fields related to the Center's collections and program activities. Studies in the social sciences, arts, science and technology, psychology, education, and religion are eligible with conditions. Long term fellowships are $35,000 for six months; short term fellowships provide $3,000 per month for one to three months.

For complete program information, **please click here.**

Environmental Research and Education Foundation: Grants Program

Proposal Deadline: December 1, 2024

Synopsis

The EREF is the only private, grant making institution with a national and international scope whose sole mission is to support solid waste research and education initiatives. Our research grants program is led by our Research Council, a body of volunteers consisting of technical experts in industry, academia, and consulting.

For complete program information, **please click here.**

ACLS Digital Justice Seed Grants

Proposal deadline: December 3, 2024

Synopsis

This program addresses inequities in access to tools and support for digital work among scholars across various fields, those working with under-utilized or understudied source materials, and those in institutions with less support for digital projects. It promotes inclusion and sustainability by extending the opportunity to participate in the digital transformation of humanistic inquiry to a greater number of humanities scholars and projects at the beginning stages of development. Finally, ACLS Digital Justice Seed Grants offer scholars and project leaders general financial planning coaching from the **Nonprofit Finance Fund**. Such an opportunity provides a foundation upon which grant recipients can envision the possible long-term financial options for supporting their digital projects.

For complete program information, **please click here.**

ACLS Digital Justice Development Grants

Proposal deadline: December 3, 2024

Synopsis

This program addresses inequities in access to tools and support for digital work among scholars across various fields, those working with under-utilized or understudied source materials, and those in institutions with less support for digital projects. It promotes inclusion and sustainability by extending the opportunity to participate in the digital transformation of humanistic inquiry to a greater number of humanities scholars and projects at the beginning stages of development.

ACLS Digital Justice Development Grants offer scholars and project leaders general financial planning coaching from the **Nonprofit Finance Fund.** Such an opportunity provides a foundation upon which grant recipients can envision the possible long-term financial options for supporting their digital projects.

For complete program information, **please click here.**

Blakemore Foundation: Asian Language and Art History Language Fellowships

Proposal Deadline: December 30, 2024

Synopsis

Blakemore Kingfisher Fellowships are awarded for nine to twelve months of full-time, intensive language study of Chinese or Korean in East Asia to individuals who have demonstrated intent to pursue an academic career in Chinese or Korean art history prior to the 20th century. These grants are open to citizens or permanent residents of the United States and Canada and to foreign nationals studying in colleges or universities in the United States or Canada.

For complete program information, **please click here.**

Association of American Geographers: Research Grants

Proposal Deadline: December 31, 2024

Synopsis

The AAG provides small grants (up to $500) to support research and fieldwork. Grants can be used only for direct expenses of research; salary and overhead costs are not allowed.

For complete program information, **please click here.**

Plan Ahead: Grants Due in 2025

National Endowment for the Humanities: National Digital Newspaper Program

Proposal Deadline: January 10, 2025

Synopsis

The National Digital Newspaper Program (NDNP) is a collaboration between the National Endowment for the Humanities and the Library of Congress (LC) aimed at creating a comprehensive digital archive of historically significant newspapers published between 1690 and 1963 from all U.S. states and jurisdictions. This searchable database will be permanently maintained by the Library of Congress and will be freely accessible online through the Chronicling America: Historic American Newspapers website. The site also features a U.S. Newspaper Directory, offering bibliographic and holdings information to guide users to newspaper titles available in various formats. Additionally, as part of its partnership with NEH, the Library of Congress will digitize and contribute a substantial number of newspaper pages from its own collections to the NDNP database.

For complete program information, **please click here.**

National Science Foundation: Regional Resilience Innovation Incubator

Proposal Deadline: January 16, 2025

Synopsis

The NSF's Regional Resilience Innovation Incubators (R2I2) program, led by the Directorates for Geosciences (GEO) and Technology, Innovation and Partnerships (TIP), aims to address climate-related challenges by supporting community-engaged team science. The program will fund projects focused on co-designing solutions to regional climate issues, leveraging advances in climate science and Earth system research. Phase 1 of R2I2 will support pilot projects to develop concepts and solutions tailored to specific U.S. climate regions, as defined by the Fifth National Climate Assessment. The program also includes funding for a National Office to coordinate activities. Phase 2, anticipated for 2026, will be open only to Phase 1 awardees and will focus on implementing these solutions.

For complete program information, **please click here.**

National Science Foundation: Advancing Informal STEM Learning (AISL)

Proposal Deadline: January 28, 2025

Synopsis

The Advancing Informal STEM Learning (AISL) Program is committed to funding research and practice, with continued focus on investigating a range of informal STEM learning (ISL) experiences and environments that make lifelong learning a reality. This program seeks proposals that center engagement, broadening participation, and belonging, and further the well-being of individuals and communities who have been and continue to be excluded, under-served, or underrepresented in STEM along several dimensions.

The current solicitation encourages proposals from institutions and organizations that serve public audiences, and specially focus on public engagement with and understanding of STEM, including community STEM; public participation in scientic research (PPSR); science communication; intergenerational STEM engagement; and STEM media.

For complete program information, **please click here.**

NSF Hispanic-Serving Institutions: Enriching Learning, Programs, and Student Experiences (HSI:ELPSE)

Proposal Deadline: February 12, 2025

Synopsis

The Hispanic Serving Institutions: Enriching Learning, Programs, and Student Experiences (HSI:ELPSE) solicitation is specially focused on studying and improving the student experience in the following settings:

- STEM courses, particularly for students pursuing STEM degrees;
- Certicate, minor, and/or degree programs;
- Academic departments or divisions; and
- Schools and colleges that represent a part of the entire institution (e.g., a School of Engineering or a College of Natural Sciences).

Institutions are encouraged to consider how their mission and HSI designation could re-imagine and/or strengthen courses, degree programs, departments, or divisions. The HSI:ELPSE solicitation welcomes projects that implement, test and refine promising practices and/or conduct research related to broadening participation or improving recruitment, retention, graduation and other positive STEM outcomes for undergraduates.

Institutions are expected to use institutional data to identify equity gaps, identify areas of need, and unpack the factors that shape students' individual realities and shared experiences. Perspectives gained from these data should be central to project design.

UNC qualifies for the Implementation and Evaluation (IEP) Track, which has two levels. IEP Level 2 proposals have several required elements beyond those for Level 1 proposals, including the need for a research plan and a detailed letter of support from upper-level administrators that addresses sustainability. The HSI program accepts planning and conference proposals at any time.

For complete program information, **please click here.**

NIH Academic Research Enhancement Award (AREA) for Undergraduate-Focused Institutions

Proposal Deadline: February 25, 2025

Synopsis

The National Institutes of Health (NIH) aims to support biomedical research projects proposed by faculty members at undergraduate-focused institutions that do not receive substantial funding from the NIH. The three objectives of this NOFO are to:

1. Provide support for meritorious research at undergraduate-focused institutions or institutional components;
2. Strengthen the research environment at these institutions/components; and
3. Give undergraduate students an opportunity to gain significant biomedical research experience through active involvement in the research.

The AREA program will enable eligible organizations to receive support for small-scale research projects led by faculty members. It is anticipated that investigators supported under the AREA program will benefit from the opportunity to conduct independent research; that the grantee institution will benefit from a research environment strengthened through AREA grants; and that **students at recipient institutions will benefit from exposure to and participation in scientific research in the biomedical sciences to encourage them to consider careers in biomedical research.** This AREA NOFO emphasizes the engagement and inclusion of undergraduates in research.

The **research project must involve undergraduate students, and the research team must be composed primarily of undergraduate students.** Student involvement in research may include participation in the design of experiments and controls, collection and analysis of data, execution and troubleshooting of experiments, presenting at meetings, drafting journal articles, participation in lab meetings to discuss results and future experiments, etc. The AREA program is a research grant program, not a training or fellowship program, and, as such, applications should not include training plans such as didactic training or non-research activities relating to professional development.

For the Funding Opportunity Announcement, **please click here.**