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UNIVERSITY OF NORTHERN COLORADO

Funding Opportunities Newsletter

LIMITED SUBMISSION
EPA Environmental and Climate Justice Community Change Grant Program

Full Proposals Accepted Now Through November 21, 2024

Synopsis
Community Change Grants will fund community-driven projects that address climate challenges and reduce pollution while strengthening communities through thoughtful implementation. This program will empower communities and their partners to design, develop, and implement multifaceted community-driven projects. These programs will address the diverse and unique needs of disadvantaged communities by:

1. Reducing and preventing pollution;
2. Building resilience to climate change and mitigating current and future climate risks;
3. Enhancing meaningful involvement in government processes related to environmental and climate justice;
4. Expanding access to high-quality jobs and economic opportunity through workforce development; and
5. Bolstering community strength by ensuring that local residents receive the benefits of investments and have the opportunity to build on them for current and future generations.

For complete program details, please click here.

Please note this program is a Limited Submission. If you would like to apply, please read UNC's Limited Submissions Policy and email Carman Melendrez.

NIH Notice of Special Interest (NOSI): Stimulating Research to Understand and Address Hunger, Food, and Nutrition Insecurity

This NOSI Expires on November 29, 2024

Synopsis
Imagine a world without hunger, in which all individuals, families, and communities have ready access to enough affordable, nutritious food to sustain a happy and healthy life. The goal is urgent with levels of hunger, worsened by a weak supply chain that restricts access of nutritious food to underserved populations. The result is a rising incidence of food and nutrition insecurity, which like hunger, stems from many factors beyond food and aligns with lack of access to life-enhancing resources.

The purpose of this NOSI is to encourage research on the efficacy of interventions that address nutrition security and the mechanisms of food insecurity on a variety of health outcomes. It also calls for the development of new measures for nutrition security and assessment of food insecurity that are broadly applicable. It was developed by multiple NIH-internal entities in support of the goals and objectives of the Strategic Plan for NIH Nutrition Research.

For complete program information, please click here.

Institute of Education Sciences (IES): National Center for Education Research (NCER): Education Research and Development Center Program

Submission Deadline: March 7, 2024

Synopsis
In awarding the grants, the Institute of Education Sciences (IES) intends to provide national leadership in expanding knowledge and understanding of (1) education outcomes for all learners from early childhood education through postsecondary and adult education, and (2) employment and wage outcomes when relevant (such as for those engaged in career and technical, postsecondary, or adult education). IES research grant programs are designed to provide interested individuals and the general public with reliable and valid information about education practices that support learning and improve academic achievement and access to education opportunities for all learners. These interested individuals include parents, educators, learners, researchers, and policymakers. In carrying out its grant programs, IES provides support for programs of research in areas of demonstrated national need.

Notice seeking applications that address one of the following topics:

- Improving Rural Education;
- Using Generative Artificial Intelligence to Augment Teaching and Learning in Classrooms;
- K-12 Teacher Recruitment and Retention Policy; and
- Improving Outcomes in Elementary Science Education.

For additional details, please click here.

Department of Education Fulbright-Hays Group Projects Abroad Program

Submission Deadline: March 18, 2024

Synopsis
The purpose of the Fulbright-Hays GPA Program is to promote, improve, and develop the study of modern foreign languages and area studies in the US. The program provides opportunities for faculty, teachers, and undergraduate and graduate students to conduct group projects overseas. Projects may include either (1) short-term seminars, curriculum development, or group research or study; or (2) long-term advanced intensive language programs.

Pre-Application Webinar Information: The Department will hold a pre-application webinar for prospective applicants. Detailed information regarding this webinar will be provided on the GPA website at www2.ed.gov/programs/iegpsgpa/index.html. Additionally, for prospective applicants that have never received a grant from the Department and those that are interested in learning more about the process, please review the grant funding basics resource at www2.ed.gov/documents/funding-101/funding-101-basics.pdf.

For complete program details, please click here.

NSF Future Manufacturing

Submission Deadline: April 11, 2024

Synopsis
The goal of Future Manufacturing is to support fundamental research, education, and training of a future workforce to overcome scientific, technological,educational, economic, and social barriers in order to catalyze new manufacturing capabilities that do not exist today. Future Manufacturing seeks inventive approaches to invigorate the manufacturing ecosystem and seed nascent future industries that can only be imagined today. Future

Manufacturing supports research and education that will enhance US leadership in manufacturing by providing new capabilities for companies and entrepreneurs, by improving our health, quality of life, and national security,by expanding job opportunities to a diverse STEM workforce, and by reducing adverse impacts of manufacturing on the environment. At the same time, Future Manufacturing enables new manufacturing that will address urgent social challenges arising from climate change, global pandemics and health disparities, social and economic divides, infrastructure deficits of marginalized populations and communities, and environmental sustainability.Future Manufacturing will complement existing efforts, supported by NSF and other federal agencies, in advanced manufacturing, but the focus of this program is to enable new, potentially transformative, manufacturing capabilities rather than to improve current manufacturing.

Click here to see the full program solicitation.

NSF Growing Convergence Research

Submission Deadlines: April 12, 2024 & February 10, 2025

Synopsis

Convergence research is a means for solving vexing research problems, in particular, complex problems focusing on societal needs or deep scientific challenges. It entails integrating knowledge, methods, and expertise from different disciplines and developing novel paradigms that catalyze scientific discovery and innovation.
GCR identifies Convergence Research as having two primary characteristics:
Research driven by a specific and compelling problem. Convergence research is generally inspired by the need to address a specific challenge or opportunity, whether it arises from deep scientific questions or pressing societal needs.

Deep integration across disciplines. As experts from different disciplines pursue common research challenges, their knowledge, theories, methods, data, research communities and languages become increasingly intermingled or integrated. New frameworks, paradigms or even disciplines can form sustained interactions across multiple communities.

This GCR solicitation targets multidisciplinary teams who are embracing convergence research as a means of developing highly innovative solutions to complex research problems. GCR proposals are expected to be bold and address scientific or technical challenges and bottlenecks which if resolved have the potential to transform scientific understanding and solve vexing problems. Successful GCR projects are anticipated to lead to paradigm shifting approaches within disciplines, establishment of new scientific communities, or development of transformative technologies that have the potential for broad scientific or societal impact.

The aim of GCR is to cultivate and grow the earliest foundations of convergent approaches for addressing a specific and compelling problem. As such, proposals submitted to this solicitation are expected to explore novel avenues not previously investigated that are at the forefront of advancing science through deep integration. Proposers must make a convincing case that the research to be conducted is within NSF's purview, integrates across NSF directorate or division boundaries, and is currently not supported by other NSF programs or solicitations.

For complete program information, please click here.

Russel Sage Foundation Research Grants

LOI Submission Deadline: April 16, 2024

Synopsis

For its next research grants deadline, RSF will accept letters of inquiry (LOIs) under any of its core programs and special initiatives: Behavioral Science and Decision Making in Context; Future of Work; Immigration and Immigrant Integration; Race, Ethnicity, and Immigration; and Social, Political, and Economic Inequality. RSF will also accept LOIs relevant to any core program that address the effects (a) of social movements, such as drives for unionization and mass social protests, and the effects of racial/ethnic/gender bias and discrimination on a range of outcomes related to social and living conditions in the U.S., and (b) of the June 2023 Supreme Court decision on race-conscious affirmative action and the relative merits of different models to promote diversity in the educational attainment and economic mobility of underrepresented and lower-income students.

LOIs must include specific information about the proposed data and research design. After peer review, about 15% of those who submit an LOI will be invited to submit a full proposal. **The deadline for submitting LOIs is April 16,2024, at 2:00 p.m. ET.** Successful proposals can start on or after January 1, 2025.

For complete program details, please click here.

National Endowment for the Arts: Challenge America

Application Deadline: April 25, 2024

Synopsis

Challenge America grants offer support primarily to small organizations for projects to reach historically underserved communities with rich and dynamic cultural identities. This program may be a good entry point for organizations that are new to applying for federal funding. Grants are awarded in all artistic disciplines for a wide variety of arts projects.

Challenge America features an abbreviated application, a robust structure of technical assistance, and grants for a set amount of $10,000. Grants require a cost share/match of $10,000 consisting of cash and/or in-kind contributions. Total project costs must be at least $20,000 or greater.

The NEA welcomes applications from first-time and returning applicants. Eligible applicants include nonprofit, tax-exempt 501(c)(3) U.S. organizations. Applicants may be arts organizations, local arts agencies, arts service organizations, local education agencies (school districts), and other organizations that can help advance the NEA's goals.

For complete program information, please click here.

NSF Faculty Early Career Development Program (CAREER)

Submission Deadlines: July 24, 2024

Synopsis

This program offers the NSF's most prestigious awards in support of early-career faculty who have the potential to serve as academic role models in both research and education and to lead advances in the mission of their organization. Activities of early-career faculty should build a foundation for a lifetime of leadership in integrating education and research. Awards are approximately $500,000 over 5 years.

Both tenure and non-tenure track faculty who hold a doctoral degree in an NSF-supported field and who engage in substantial research and educational efforts may apply. Adjunct faculty are not eligible.

For complete program information, please click here.

NSF Economics

Submission Deadline: August 19, 2024

Synopsis

The Economics program supports research designed to improve the understanding of the processes and institutions of the US economy and of the world system of which it is a part. This program also strengthens both empirical and theoretical economic analysis as well as the methods for rigorous research on economic behavior. It supports research in almost every area of economics, including econometrics, economic history, environmental economics,finance, industrial organization, international economics, labor economics,macroeconomics, mathematical economics, and public finance.

The Economics program welcomes proposals for individual or multi-investigator research projects, doctoral dissertation improvement awards,conferences, symposia, experimental research, data collection and dissemination, computer equipment and other instrumentation, and research experience for undergraduates. The program places a high priority on interdisciplinary research. Investigators are encouraged to submit proposals of joint interest to the Economics Program and other NSF programs and NSF initiative areas.

Click here to see the full program solicitation.

NSF Racial Equity in STEM Education

Submission Deadlines: October 8, 2024

Synopsis

Collectively, proposals funded by this solicitation will: (1) substantively contribute to institutionalizing effective research-based practices, policies, and outcomes in STEM environments for those who experience inequities caused by systemic racism and the broader community; (2) advance scholarship and promote racial equity in STEM in ways that expand the array of epistemologies, perspectives, ideas, theoretical and methodological approaches that NSF funds; and (3) further diversify project leadership and institutions funded by NSF.

Each proposal should include a rigorous plan to generate knowledge and/or evidence-based practice via fundamental or applied research. Projects may focus on, but are not limited to:

- building theory; developing research, evaluation, and assessment methods; conducting pilot projects and feasibility studies;
- testing approaches and interventions;
- assessing the potential, efficacy, effectiveness, and scalability of approaches and interventions;
- changing institutional, organizational, and structural practices and policies;
- establishing, cultivating, and assessing authentic partnerships with communities impacted by systemic racism; conducting syntheses, meta-syntheses, meta-analyses, and systematic literature reviews;
- convening conferences that explore a theory, topic, method, or issue related to the program goals in order to drive research and practice forward; and/or
- focusing on affective, behavioral, cultural, social components, and implications.

Prospective PIs are encouraged to send a one-page concept paper to EHRRacialEquity@nsf.gov in advance of submitting a proposal.

For complete program information, please click here.

NSF Research Infrastructure in the Social and Behavioral Sciences

Full Proposals Accepted Anytime

Synopsis

Projects should be aimed at creating computational tools and data to enable research by social scientists. Examples include, but are not limited to, data collection or assembly efforts that result in new resources for a community of researchers or software platforms that facilitate data collection efforts by others. RISBS does not support research by PIs except in service of creation of the infrastructure. Innovation is especially encouraged.

For complete program information, please click here.

NSF Mind, Machine and Motor Nexus

Submission Deadline: Proposals Accepted Anytime

Synopsis

The Mind, Machine and Motor Nexus (M3X) Program supports fundamental research that explores embodied reasoning as mediated by bidirectional sensorimotor interaction between human and synthetic actors. For the purposes of this program, embodiment is defined as the capacity to interact with physics-based environments.

Interaction between human and synthetic actors is expanding in scale and scope across numerous fields and endeavors. Among these are areas where safety and performance are paramount, but also where ingenuity and risk-taking are essential to success. The M3X Program seeks to spur innovative and path-breaking work that can improve understanding of interaction between human and synthetic actors in a broad range of settings, while also exploring implications for the advancement of fundamental theory, foundational technologies, and meaningful applications. Successful submissions to the M3X program will therefore advance knowledge by exploring the convergence of human and synthetic actors' capabilities and actions during the performance of tasks situated within physics-based environments.

The following key concepts define the M3X program and therefore must be captured in any competitive proposal submitted to the program:

- Human and Synthetic Actors, which refer respectively to human beings and to embodied constructs with the additional capacity for engaging in sensorimotor interactions (defined below) as enabled by a potentially wide range of capabilities such as sensing, reasoning, communicating, interacting, and learning. Competitive proposals to the M3X program must consider the interaction between at least one human actor and at least one synthetic actor.
- Sensorimotor interaction, which refers to the exchange of information between at least one human actor and at least one synthetic actor through any sensorimotor channel (e.g., haptic, visual, etc.) available to human or synthetic actors in real, virtual or hybrid environments. This interaction must be bidirectional between human and synthetic actors.
- Embodied reasoning, which refers to the capability of human and synthetic actors to engage in cognitive activities that produce knowledge or expectations about each other (e.g., via intent detection, trust-building, social engagement, etc.). Such capability must be enabled or evolved through sensorimotor interaction, in a physics-based environment. Other aspects of embodied reasoning—such as understanding of task requirements or of the environment within which co-activities are embedded—may also be present.
- Physics-based environment, which refers to a real and/or simulated environment where laws of physics are defined and applied to objects and to interactions within that environment.

For complete program information, please click here.
