

UNO FOCUS:

Smithsonian Institution Fellowship Program (SIFP)
Smithsonian, Office of Academic Appointments and Internships

Fellowships are offered to graduate students, predoctoral students, and postdoctoral and senior investigators to conduct independent research utilizing the Smithsonian collections, facilities, and/or staff expertise. Members of the Smithsonian professional research staff serve as advisors and hosts to fellows.

All applications must be submitted by November 1, 2023 11:59 PM EST (enter 2023 for the cycle on the application) through the Smithsonian Academic Appointment System (SOLAA).

LINKS: [Smithsonian](#)

Solar-thermal Fuels and Thermal Energy Storage via Concentrated Solar-thermal Energy
U.S. Department of Energy

The research, development, and demonstration projects resulting from this funding opportunity will help deliver an equitable clean energy future by advancing the goals of a carbon pollution-free electricity sector by 2035 and achieving net-zero emissions, economy-wide, by 2050. This FOA focuses on concentrating solar-thermal energy for electricity and other uses. Projects funded by this opportunity will accelerate the development of solar-thermal energy storage via fuels, as well as on site energy storage for industrial applications and power production. SETO anticipates making approximately eight to 15 awards under this FOA ranging from \$750,000 to \$10 million. SETO encourages diverse teams from universities, nonprofit and for-profit companies, state and local governments, and Tribal Nations to apply.

Prior to submitting a full application for this opportunity, applicants must submit a concept paper by November 3, 2023 at 5 p.m. ET. SETO will host an informational webinar on October 16 at 1 p.m. ET to discuss the funding opportunity and the areas of focus.

LINKS: [Energy.gov](#)

EDUCATION and ECONOMIC & COMMUNITY DEVELOPMENT

Cooperative Agreements with Technical Assistance Providers for the Fiscal Year 2023 Thriving Communities Program
U.S. Department of Transportation

Notice seeking proposals to develop technical assistance programs to help build the capacity of local governments that request support to drive innovation, advance equity outcomes, and build a national pipeline of community-driven infrastructure projects.

Applications are due November 28, 2023. Estimated \$22 million is available to fund up to nine awards.

LINKS: [Grants.gov](#); [Solicitation](#)

Environmental Education (EE) Grants
Environmental Protection Agency

Notice seeking proposals to support environmental education projects that promote environmental awareness and stewardship and help provide people with the skills to take responsible actions to protect the environment. Grants are split into ten regional competitions. See agency site for more details.

Applications are due November 8, 2023. For each region, an estimated \$360,000 is available to fund up to five awards.

LINKS: [Grants.gov \(Region 1, for example\)](#); [Agency Site](#)

Lead and Healthy Homes Technical Studies (LHHTS) Grant Program
U.S. Department of Housing and Urban Development

Notice seeking applications to improve knowledge of housing-related health and safety hazards and to improve or develop new hazard assessment and control methods, with a focus on lead and other key residential health and safety hazards.

Applications are due October 30, 2023. Estimated \$7 million is available to fund up to 13 awards.

LINKS: [Grants.gov](#); [Solicitation](#)

Rural Microentrepreneur Assistance Program
U.S. Department of Agriculture

Notice seeking applications for loans and grants under the Rural Microentrepreneur Assistance Program (RMAP) for fiscal year (FY) 2024. RMAP provides the following types of support: loan only, combination loan and technical assistance grant, and subsequent technical assistance grants to microenterprise development organizations (MDOs).

Applications are due September 30, 2023, December 31, 2023, March 31, 2024, and June 30, 2024. Estimated \$29 million is available.

LINKS: [Federal Register](#)

Bipartisan Infrastructure Law (BIL) 40513: Career Skills Training
Energy

Notice seeking applications to provide grants to eligible entities to pay the Federal share of Career Skills Training Programs under which students concurrently receive classroom instruction and on-the-job training for the purpose of obtaining an industry-related certification to install energy efficient building technologies.

Applications are due November 27, 2023. Estimated \$8.35 million is available to fund eight awards. Cost share of at least 50 percent is required.

LINKS: [Grants.gov](#); [Solicitation](#)

Climate Pollution Reduction Grants Program: Implementation Grants (General Competition)
Environmental Protection Agency

Notice seeking applications to implement greenhouse gas (GHG) reduction programs, policies, projects, and measures.

Applications are due April 1, 2024. Optional notices of intent are due February 1, 2024. Estimated \$4.3 billion is available to fund 30 to 115 awards.

LINKS: [Grants.gov](#)

Climate Program Office (CPO), Climate Adaptation Partnerships Program FY2024
Commerce

Notice seeking proposals for applied research and engagement program that expands society's regional capacity to adapt to climate impacts in the United States. The CAP program supports sustained, collaborative relationships that help communities build lasting and equitable climate resilience.

Applications are due February 5, 2024. Letters of Intent are encouraged and due October 30, 2023. Estimated \$5.5 million is available to fund five awards.

LINKS: [Grants.gov](https://www.grants.gov)

Climate Program Office FY24 NIDIS Tribal Drought Resilience with Inflation Reduction Act Support
Commerce

Notice seeking proposals to enable tribal nations to address current and future drought and climate risk on tribal lands across the West by improving decision support and building drought resilience in a changing climate.

Applications are due February 15, 2024. Estimated \$2 million is available to fund three to five awards.

LINKS: [Grants.gov](https://www.grants.gov)

Small Surface Water and Groundwater Storage Projects
Interior

Notice seeking applications to promote Federal assistance to enhance water storage opportunities for future generations in support of the Department's priorities. Surface water and groundwater storage are essential tools in stretching the limited water supplies in the Western United States. Water storage projects enhance and make municipal and irrigation water supplies more reliable as well as provide opportunities to enhance groundwater management abilities and to provide water quality improvements and ecosystem benefits.

Applications are due November 30, 2023. Estimated \$25 million is available to fund two to six awards. Cost share of 75 percent or more is required.

LINKS: [Grants.gov](https://www.grants.gov)

HEALTH and MENTAL HEALTH

Meeting of the National Advisory Council for Healthcare Research and Quality
U.S. Department of Health and Human Services

Notice announcing a meeting of the National Advisory Council for Healthcare Research and Quality. The purpose is to advise the Secretary of the Department of Health and Human Services and the Director of AHRQ on matters related to AHRQ's conduct of its mission including providing guidance on (A) priorities for health care research, (B) the field of health care research including training needs and information dissemination on health care quality and (C) the role of the Agency in light of private sector activity and opportunities for public private partnerships.

The meeting will be held on Thursday, November 16, 2023, from 10 a.m. to 3:30 p.m. The meeting will be held in-person.

LINKS: [Federal Register](https://www.federalregister.gov); [Agency Site](https://www.hhs.gov)

BRAIN Initiative: New Concepts and Early-Stage Research for Recording and Modulation in the Nervous System (R21) (Clinical Trial Not Allowed)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals for unique and innovative recording and/or modulation technologies that are in the earliest stage of development, including new and untested ideas that are in the initial stages of conceptualization.

Applications are due June 18, 2024. Estimated \$3 to \$4 million is available to fund up to 10 awards.

LINKS: [Grants.gov](#); [Solicitation](#)

Computational Approaches for Validating Dimensional Constructs of Relevance to Psychopathology (R01 Clinical Trial Optional)

U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals for research projects that will use computational approaches to test the validity of dimensional constructs in the NIMH Research Domain Criteria matrix (or similar constructs based on comparable criteria).

Applications are due November 1, 2023. Multiple awards with a ceiling of \$500,000 per year are anticipated.

LINKS: [Grants.gov](#); [Solicitation](#)

Computationally-Defined Behaviors in Psychiatry (R21 Clinical Trial Optional)

U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals for research projects that will apply computational approaches to develop parametrically detailed behavioral assays across mental-health relevant domains of function.

Applications are due November 1, 2023. Multiple awards with a two-year ceiling of \$275,000 are anticipated.

LINKS: [Grants.gov](#); [Solicitation](#)

Improving Choice, Use, and Equitable Implementation of Biomedical HIV Prevention for Women (R01 and R34 Clinical Trial Optional)

U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking applications to understand factors that impact uptake and adherent and persistent use of biomedical HIV prevention options, to inform and advance approaches to support choice and use among these options, and to understand and advance equitable delivery of biomedical HIV prevention options for cisgender and transgender women in settings where multiple prevention options are available.

Applications are due November 22, 2023. Estimated \$2.5 million is available to fund up to seven awards.

LINKS: [Grants.gov \(R01\)](#); [Grants.gov \(R34\)](#); [Solicitation](#)

NIDA REI: Academic Research Enhancement Award (AREA) Training a Diverse Data Science Workforce for Addiction Research (R15 Clinical Trial Not Allowed)

U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking applications to train a diverse data science workforce to leverage the potential of artificial intelligence and machine learning (AI/ML) to accelerate the pace of socio-behavioral and biomedical innovation in drug addiction research. The establishment of mutually beneficial partnerships to enhance the participation of researchers from diverse backgrounds and communities experiencing health disparities is expected.

Applications are due January 24, 2024. Estimated \$1.5 million is available to fund 6 to 10 awards.

LINKS: [Grants.gov](#); [Solicitation](#)

NIDA REI: Training a Diverse Data Science Workforce for Addiction Research (R25 Clinical Trial Not Allowed)

U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking applications that propose to train a diverse data science workforce in the drug addiction research field to accelerate the pace of biomedical and socio-behavioral innovation in drug addiction research.

Applications are due January 24, 2024. Estimated \$1.5 million is available to fund 6 to 10 awards.

LINKS: [Grants.gov](#); [Solicitation](#)

Opportunities for HIV Cure Strategies at the Time of ART Initiation (R01 and R21 Clinical Trial Not Allowed)

U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking applications to identify cure strategies suitable for administration at the start of combination antiretroviral therapy (cART) and/or at cART restart after an analytical treatment interruption (ATI), with the ultimate goal of achieving sustained treatment-free remission.

Applications are due annually on January 7, May 7, and September 7. Program expires September 8, 2026.

LINKS: [Grants.gov \(R21\)](#); [Grants.gov \(R01\)](#); [Solicitation](#)

SCIENCE, TECHNOLOGY, ENGINEERING, and MATHEMATICS

Measurement-based Quantum Information and Transduction (MeasQuIT)

Defense

Notice seeking proposals to demonstrate and validate disruptive approaches to the scalable preparation, control, and stabilization of quantum many-body states of computational or metrological utility. Approaches that harness concepts of reservoir engineering, autonomous error correction, coherent quantum measurement, and quantum feedback are of particular interest.

Proposals are due October 30, 2023. The total award value for Phase 1 and Phase 2 is \$1 million.

LINKS: [Contract Opportunities](#)

ROSES 2023: Physical Sciences Informatics
National Aeronautics and Space Administration

Notice seeking proposals to: a) promote investigations making use of currently available experimental data resulting in more scientists participating in reduced-gravity research; b) allow new areas of research and discovery to occur more quickly through open access; and c) accelerate the "research to product or publication" timeline through the rapid sharing of data.

Proposals are due January 10, 2024. Optional notices of intent are due October 31, 2023. Estimated \$750,000 is available to fund five awards.

LINKS: [Grants.gov](#); [Solicitation](#)

Industry Day: TACTICAL Broad Agency Announcement (BAA)
Defense

Notice announcing a meeting to provide industry partners and academia with an overview of the DETER ARA and TACTICAL BAA announcements. This event is an excellent opportunity for the Government and industry partners to meet, enhance awareness, and gain further understanding of the opportunities offered under DETER ARA and TACTICAL BAA.

The meeting will be held October 19, 2023 virtually and in-person at Kirtland Air Force Base. Registrations are due October 6, 2023.

LINKS: [Contract Opportunities](#)

Organismal Response to Climate Change
National Science Foundation

Notice seeking proposals for mechanistic studies of organismal response to climate change as a foundation that, when integrated with research at other levels of organization, will lead to a deeper understanding and better predictions of the integrity, the resilience, and the adaptation of biological systems to climate change.

Applications are due December 13, 2023. Estimated \$10 million is available to fund 10 to 14 awards.

LINKS: [Grants.gov](#); [Solicitation](#)

Research in the Formation of Engineers
National Science Foundation

Notice seeking proposals to advance our understanding of professional formation. It seeks both to deepen our fundamental understanding of the underlying processes and mechanisms that support professional formation and to demonstrate how professional formation is or can be accomplished.

Proposals are accepted anytime.

LINKS: [Grants.gov](#); [Solicitation](#)

The State Component of the National Cooperative Geologic Mapping Program
Interior

Notice seeking applications to establish the geologic framework of areas determined to be vital to the economic, social, or scientific welfare of individual States and the Nation. The State Geologist/Survey Director/Chief Scientist (or similar position) shall determine mapping priorities in consultation with a multi-representational and multidiscipline State Mapping Advisory Committee (SMAC).

Applications are due January 9, 2024. Cost sharing is required. Universities may submit a proposal on behalf of the State Geological Survey.

LINKS: [Grants.gov](#)

Ultra-Broadband Terahertz Radio Development
Defense

Notice seeking proposals innovative research to develop and demonstrate an ultra-broadband radio operating above 100 GHz for future air force communications capabilities in contested spectrum environments. Collaboration is encouraged.

Required white papers are due December 15, 2023. Estimated \$500,000 is available to fund multiple awards in FY 2024.

LINKS: [Contract Opportunities](#)

Committee on Equal Opportunities in Science and Engineering
National Science Foundation

Notice announcing a meeting of the Committee of Equal Opportunities in Science and Engineering. The purpose of the meeting is to study data, programs, policies, and other information pertinent to the National Science Foundation and to provide advice and recommendations concerning broadening participation in science and engineering.

The meeting will be held October 26, 2023; 10 a.m.–4:15 p.m. at the National Science Foundation, 2415 Eisenhower Avenue, Alexandria, VA (Virtual).

LINKS: [Federal Register](#)

Visiting Committee on Advanced Technology
Commerce

Notice announcing a meeting of the Visiting Committee on Advanced Technology. The purpose of this meeting is to review and make recommendations regarding general policy for NIST, its organization, its budget, and its programs within the framework of applicable national policies as set forth by the President and the Congress.

The meeting will be held Tuesday, October 24, 2023, from 10 a.m. to 5:30 p.m. ET via a virtual meeting platform.

LINKS: [Federal Register](#)