

ARTS, HUMANITIES, and INTERNATIONAL

FY2023 BridgeUSA Journalism and Rule of Law Scholarship Program
Department of State (State), Bureau of Educational and Cultural Affairs (ECA)

Notice seeking applications to provide 20 exchange visitors from select European countries with scholarships in the Intern, Trainee, and Specialist program categories of the Exchange Visitor Program. The program will be administered over 36 months from the date the award is made.

Applications are due November 28, 2022. Approximately \$100,000 is available.

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

FY2022 Historic Preservation Fund - Historically Black Colleges and Universities Grants
Department of the Interior (Interior), National Park Service (NPS)

Notice seeking applications to document, preserve, and stabilize historic structures on HBCU campuses. The HBCU grant program exists to repair historic structures on campuses of Historically Black Colleges and Universities that are listed or eligible for listing in the National Register of Historic Places either individually or as contributing to a National Register or National Historic Landmark historic district. Projects must meet major program selection criteria and all work must meet the Secretary of the Interior's Standards and Guidelines for Archeology and Historic Preservation.

Applications are due January 10, 2023. HBCUs are eligible. The maximum award amount is \$750,000. Cost sharing is required.

LINKS: [Grants.gov](#), [Agency Site](#)

Preservation Assistance Grants for Smaller Institutions
National Endowment for the Humanities (NEH)

Notice seeking applications to improve their ability to preserve and care for their significant humanities collections. These may include special collections of books and journals, archives and manuscripts, prints and photographs, moving images, sound recordings, architectural and cartographic records, decorative and fine art objects, textiles, archaeological and ethnographic artifacts, furniture, historical objects, and digital material.

Applications are due January 12, 2023. The maximum award amount is \$10,000.

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

Academy for Women Entrepreneurs Program Implementor
Department of State (State), Bureau of Educational and Cultural Affairs (ECA)

Notice seeking proposals to supports women's social and economic empowerment by providing women with the knowledge, networks, and access they need to launch or scale successful businesses and thereby participate in and excel in their local economies.

Applications are due November 4, 2022. Seven awards are anticipated with a ceiling of \$75,000.

LINKS: [Grants.gov](#)

U.S. Embassy Bridgetown PAS Annual Program Statement
Department of State (State)

Notice seeking proposals for programs that strengthen ties between the U.S. and Barbados and the Eastern Caribbean through cultural, educational, business, and scientific programming that highlights shared values and promotes bilateral cooperation.

Proposals are due any time until September 30, 2023. The maximum award amount is \$24,000.

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

EDUCATION and ECONOMIC & COMMUNITY DEVELOPMENT

Residential (Long Term Foster Care) Services for Unaccompanied Children
Administration for Children and Families (ACF), Department of Health and Human Services (HHS), Office of Refugee Resettlement (ORR)

Notice seeking applications for long-term foster care (LTFC) providers. LTFC providers, or care providers, are required to be licensed (child placement license and any other required license according to state regulations) in the state in which they are located to provide foster care services and are required to meet the needs of UC by providing quality care in a community setting. These settings can be in a traditional foster care placement or a group home placement setting.

Applications are due November 29, 2022. Approximately \$125 million is available to fund 75 awards.

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

Biotechnology Risk Assessment Research Grants Program
National Institute of Food and Agriculture (NIFA), United States Department of Agriculture (USDA)

Notice seeking applications to support environmental assessment research concerning the introduction of genetically engineered (GE) organisms into the environment.

Applications are due January 19, 2023. Optional letters of intent are due December 1, 2022. Approximately \$5.5 million is available.

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

DOL Nursing Expansion Grant Program
Department of Labor (Labor), Employment and Training Administration (ETA)

Notice seeking applications to address bottlenecks in training the United States (U.S.) nursing workforce and to expand and diversify the pipeline of qualified nursing professionals who can fill quality jobs in healthcare through two training tracks: 1) Nurse Education Professional Track; and 2) Nursing Career Pathways Track.

Applications are due January 6, 2023. Approximately \$80 million is available to fund 15 to 25 awards. Cost share of 20 percent is required.

Limited Submission: Only one application per organization applying as lead applicant

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

Food and Agriculture Service Learning Program
National Institute of Food and Agriculture (NIFA), United States Department of Agriculture (USDA)

Notice seeking applications to increase knowledge of agriculture and improve the nutritional health of

children. It supports projects that bring together stakeholders from the distinct parts of the food system to increase the capacity for food, garden, and nutrition education within host organizations or entities, such as school cafeterias and classrooms, while fostering higher levels of community engagement between farms and school systems.

Applications are due December 8, 2022. Approximately \$1.92 million is available to support nine awards.

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

Safe and Supportive Schools: Mental Health Service Professional Demonstration Grant Program,
Assistance Listing Number 84.184X
Department of Education (Education), Office of Elementary and Secondary Education (OESE)

Notice seeking proposals to support and demonstrate innovative partnerships to train school-based mental health service providers for employment in schools and local educational agencies. IHEs may partner.

Applications are due November 3, 2022. An estimated 150 to 250 awards with a ceiling of \$1.2 million are anticipated.

LINKS: [Grants.gov](#), [Federal Register](#)

Solid Waste Management Grant Program
United States Department of Agriculture (USDA), Rural Utilities Service (RUS)

Notice seeking applications reduces or eliminates pollution of water resources by providing funding for organizations that provide technical assistance or training to improve the planning and management of solid waste sites.

Applications are due December 31, 2022. Approximately \$4 million is available.

LINKS: [Grants.gov](#)

Specialty Crop Research Initiative Pre-Applications
National Institute of Food and Agriculture (NIFA), United States Department of Agriculture (USDA)

Notice seeking applications to address the needs of the various specialty crop industries through the promotion of collaboration, open communication, the exchange of information, and the development of resources that accelerate application of scientific discovery and technology.

Required pre-applications are due January 12, 2023. Approximately \$80 million is available.

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

Capacity Building Grants for Non-Land Grant Colleges of Agriculture Program
National Institute of Food and Agriculture (NIFA), United States Department of Agriculture (USDA)

Notice seeking applications that provides matching funds for the purchase or other acquisition of equipment and other infrastructure (not including alteration, repair, renovation, or construction of buildings); the professional growth and development of the faculty of the NLGCA Institution; and the development of graduate assistantships.

Applications are due December 1, 2022. Approximately \$4.8 million is available to fund up to 20 awards.

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

Thriving Communities Technical Assistance
Department of Housing and Urban Development (HUD), Office of Policy Development and Research (P&DR)

Notice seeking applications to provide funding to technical assistance providers to help local governments ensure housing needs are considered as part of their larger infrastructure investment plans, while also supporting equitable development and local economic development ecosystems in Disadvantaged Communities.

Applications are due November 22, 2022. Approximately \$5 million is available to fund five awards.

LINKS: [Grants.gov](#), [Agency Site](#)

Veterans Business Outreach Center - Expansion FY23
Small Business Administration (SBA), Department of Commerce (Commerce)

Notice seeking proposals to provide quality training and counseling to veteran small business owners and entrepreneurs.

Applications are due November 23, 2022. An estimated 12 awards with a ceiling of \$400,000 are anticipated.

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

HEALTH and MENTAL HEALTH

Identify and Evaluate Potential Risk Factors for Amyotrophic Lateral Sclerosis (ALS)
Centers for Disease Control and Prevention (CDC), Department of Health and Human Services (HHS)

Notice seeking applications for investigator-initiated research that will further the understanding of potential risk factors for Amyotrophic Lateral Sclerosis (ALS), while supporting the National ALS Registry's mission. The National ALS Registry's goals are to estimate the number of new ALS cases each year, estimate the number of people who have ALS at a specific point in time, better understand who gets ALS, and identify what contributing factors, including environmental, may affect ALS.

Applications are due January 5, 2023. Approximately \$7.5 million is available to fund eight awards.

LINKS: [Grants.gov](#)

Advanced Training in Artificial Intelligence for Precision Nutrition Science Research (AIPrN) Institutional Research Training Programs (T32)
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking applications for new institutional training programs (predoctoral, postdoctoral or both) in Artificial Intelligence (AI) for Precision Nutrition (AIPrN) focused on the integration of precision nutrition, AI, machine learning (ML), systems biology, systems science, Big Data, and computational analytics. The goal is to build a future workforce that will be able to use growing data resources to tackle complex biomedical challenges in nutrition science that are beyond human intuition.

Applications are due December 8, 2022. Optional letters of intent are due November 8, 2022. Approximately \$4 million per year is available to fund up to 10 awards.

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

Advancing Adolescent Tobacco Cessation Intervention Research (R34 Clinical Trial Optional and R01 Clinical Trial Required)

National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Cancer Institute (NCI); National Institute on Drug Abuse (NIDA)

Notice seeking applications to provide support for research to facilitate well planned clinical trials aimed at advancing the science of tobacco cessation among adolescents.

Applications are due January 23, 2023 and October 16, 2023. Optional letters of intent are due 30 days prior to the application due date. Approximately \$3 million is available to fund up to four awards.

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

Basic-Translational Research on Health Disparities in Underrepresented People Living with HIV (PLWH) and Cancer (R21 Clinical Trial Not Allowed)

National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Cancer Institute (NCI)

Notice seeking applications to focus on the biological interactions of cancer health disparities in people living with HIV (PLWH) from underrepresented minority groups through basic mechanistic or translational studies to investigate how HIV interacts with health disparities to promote both non-AIDS and AIDS-defining cancer initiation, progression, and the resulting pathogenic disease sequelae.

Applications are due December 15, 2022 and December 15, 2023. Approximately \$1.5 million is available to fund five to seven awards.

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

Biological Basis for how Environmental Exposures Impact Risk for Psychiatric Disorders (R01 and R21 Clinical Trial Not Allowed)

National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Environmental Health Sciences (NIEHS)

Notice seeking applications that propose to better understand the biological basis by which environmental exposures alter brain and behavioral functioning to increase risk for psychiatric disorders with onset in late-childhood, adolescence, or early adulthood.

Applications are due February 22, 2023. Approximately \$3 million is available to fund five to six awards.

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

BRAIN Initiative Cell Atlas Network (BICAN): Specialized Collaboratory on Human, Non-human Primate, and Mouse Brain Cell Atlases (R01 Clinical Trial Not Allowed)

National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking applications to support a group of Specialized Collaboratories that will adopt scalable technology platforms and streamlined sampling strategies and assay cascade to create comprehensive and highly granular brain cell atlases in human, non-human primates, mouse, and other species in coordination and collaboration with other BRAIN Initiative Cell Atlas Network (BICAN) projects.

Applications are due February 1, 2023 and February 1, 2024. Approximately \$6 million is available to fund four to eight awards.

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

Cannabis and Cannabinoid Use in Adult Cancer Patients During Treatment: Assessing Benefits and Harms (U01 Clinical Trial Not Allowed)
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking applications that propose prospective research studies to assess the benefits and harms of cannabis and cannabinoid use among adult cancer patients during active treatment.

Applications are due February 17, 2023. Optional letters of intent are due 30 days prior to the application due date. Approximately \$4.05 million is available to fund four awards in FY 2023.

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

Clinical Sites for HIV-Cervical Cancer Prevention CASCADE Clinical Trials Network (UG1 Clinical Trial Required)
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Cancer Institute (NCI)

Notice seeking applications to conduct pragmatic clinical trials evaluating the effectiveness of clinically proven interventions to overcome barriers and reduce failures in the cervical cancer screening, management, and precancer treatment cascade for women living with HIV.

Applications are due December 28, 2022. Optional letters of intent are due November 28, 2022. Approximately \$1.5 million per year is available to fund up to five awards.

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

Genetic Tools for Understanding Rickettsial and Related Infections (R61-R33 Clinical Trial Not Allowed)
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Allergy and Infectious Disease (NIAID)

Notice seeking applications that research gap by dedicating support to the generation and functional characterization of mutant libraries for rickettsial species that cause infections in humans, and to the application of these new tools to better understanding the biology of rickettsial pathogens.

Applications are due February 14, 2023. Approximately \$2 million is available to fund six to eight awards.

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

Grants to Support New Investigators in Conducting Research Related to Preventing Interpersonal Violence Impacting Children and Youth
Centers for Disease Control and Prevention (CDC), Department of Health and Human Services (HHS), National Center for Injury Prevention and Control (NCIPC)

Notice seeking applications to provide support for an intensive, supervised (mentored) career development experience in violence prevention research leading to research independence. NCIPC supports K01 grants to help ensure the availability of an adequate number and trained scientists to address critical public health research questions to prevent violence and injury.

Applications are due January 4, 2023. Optional letters of intent are due November 30, 2022. Approximately \$600,000 is available to fund four awards.

LINKS: [Grants.gov](#)

Immunity in Older Adults (U01 Clinical Trial Not Allowed)

National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking proposals to support studies that provide mechanistic insights into innate and adaptive immune changes that occur during the aging process.

Applications are due February 14, 2023. An estimated five to seven awards with a per-year ceiling of \$400,000 are anticipated.

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

Investigation of Co-occurring conditions across the Lifespan to Understand Down syndrome (INCLUDE) Clinical Research Short Course (R25 Independent Clinical Trial Not Allowed)
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking applications to improve health and quality-of-life for individuals with Down syndrome (DS). As part of the INCLUDE Project, NIH is interested in expanding and diversifying the skilled DS clinical research workforce.

Applications are due annually on June 27.

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

Mechanism-Focused Research to Promote Adherence to Healthful Behaviors to Prevent Mild Cognitive Impairment (MCI) and Alzheimer's Disease (AD) and AD-Related Dementias (ADRD) (R61-R33 Clinical Trial Required)
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking applications to address psychological and interpersonal mechanisms driving adherence to behaviors or lifestyle changes relevant to the prevention of cognitive decline, Mild Cognitive Impairment (MCI), and Alzheimer's disease (AD) and AD-related dementias (ADRD). Mechanisms of adherence may be studied in new, early- to late-stage (including Stages I-IV) behavior change trials.

Applications are due January 20, 2023. Optional letters of intent are due December 20, 2022. Approximately \$1.4 million is available to fund two to four awards.

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

NIDA REI: Reaching Equity at the Intersection of HIV and Substance Use: Novel Approaches to Address HIV Related Health Disparities in Underserved Racial and-or Ethnic Populations (R34 and R01 Clinical Trial Optional)
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute on Drug Abuse (NIDA)

Notice seeking applications to support pilot or feasibility research on structural factors, organizational practices, policies, and other social, cultural, and contextual influences that lead to inequities at the intersection of HIV and substance use among underserved racial and/or ethnic minority populations affected by persistent HIV disparities.

Applications are due annually on November 14. Approximately \$3 million is available to fund five to nine awards.

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

Rural Residency Planning and Development (RRPD) Program

Health Resources and Services Administration (HRSA), Department of Health and Human Services (HHS), Federal Office of Rural Health Policy (ORHP)

Notice seeking applications to improve and expand access to health care in rural areas by developing new, sustainable rural residency programs or rural track programs (RTPs) that are accredited by the Accreditation Council for Graduate Medical Education (ACMGE), to address the physician workforce shortages and challenges faced by rural communities.

Applications are due January 27, 2023. Approximately \$11.25 million is available to fund up to 15 awards.

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

Therapeutics for Eliminating Hepatitis B Virus cccDNA (R21-R33 Clinical Trial Not Allowed)
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Allergy and Infectious Diseases (NIAID)

Notice seeking applications aimed at discovery of new antivirals that result in the transcriptional suppression and elimination of HBV cccDNA from infected cells.

Applications are due February 14, 2023. Optional letters of intent are due 30 days prior to the application due date. Approximately \$3.8 million is available to fund seven to nine awards.

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

Healthcare Infection Control Practices Advisory Committee (HICPAC)
Centers for Disease Control and Prevention (CDC), Department of Health and Human Services (HHS)

Notice announcing a meeting of the Healthcare Infection Control Practices Advisory Committee. The purpose is to provide advice regarding (1) the practice of healthcare infection prevention and control; (2) strategies for surveillance, prevention, and control of infections, antimicrobial resistance, and related events in settings where healthcare is provided; and (3) periodic updating of CDC guidelines and other policy statements regarding prevention of healthcare-associated infections and healthcare-related conditions.

The meeting will be held on November 3, 2022, from 12 p.m. to 2:30 p.m., ET. virtually. Registration is required.

LINKS: [Federal Register](#), [Agency Site](#)

Lead Exposure and Prevention Advisory Committee (LEPAC)
Centers for Disease Control and Prevention (CDC), Department of Health and Human Services (HHS)

Notice announcing a meeting of the Lead Exposure and Prevention Advisory Committee. The purpose of the meeting is to advise on (1) reviewing Federal programs and services available to individual communities exposed to lead; (2) reviewing current research on lead exposure to identify additional research needs; (3) reviewing and identifying best practices, or the need for best practices regarding lead screening and the prevention of lead poisoning; (4) identifying effective services, including services relating to healthcare, education, and nutrition for individuals and communities affected by lead exposure and lead poisoning.

The meeting will be held on December 8, 2022, from 11 a.m. to 4 p.m., ET. Advance registration is required.

LINKS: [Federal Register](#)

Cooperative Research Agreements Related to the World Trade Center Health Program (U01)

Centers for Disease Control and Prevention (CDC), Department of Health and Human Services (HHS)

Notice seeking proposals for scientifically rigorous research to help answer critical questions about: Physical and mental health conditions that may be related to the September 11, 2001, terrorist attacks; Diagnosing WTC-related health conditions for which there has been diagnostic uncertainty; and Treating WTC-related health conditions for which there has been treatment uncertainty.

Applications are due December 6 2022. Multiple awards of various lengths are anticipated.

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

NLM Research Grants in Biomedical Informatics and Data Science (R01 Clinical Trial Optional)
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Library of Medicine (NLM)

Notice seeking proposals on biomedical discovery and data-powered health, integrating streams of complex and interconnected research outputs that can be translated into scientific insights, clinical care, public health practices, and personal wellness to ensure the research is scalable, reproducible, and generalizable.

Applications are due February 5, 2023. Multiple awards with a per-year ceiling of \$250,000 are anticipated.

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

BRAIN Initiative: Brain-Behavior Quantification and Synchronization Transformative and Integrative Models of Behavior at the Organismal Level (R34 Clinical Trial Not Allowed)
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking proposals with limited scope proposing a set of planning activities that will lay the groundwork for a scientific project aimed at integrating complementary theories and methods to: develop, validate and apply cutting-edge tools and methods for minimally invasive, multi-dimensional, high-resolution measurement of behavior at the level of the organism, with synchronous capture of changes in the organisms social or physical environment; and/or develop computational methods that allow for integration of multidimensional behavioral and environmental data representing multiple timescales into a conceptual and/or computational model of behavior as a complex dynamic system, designed with the capacity to integrate synchronously recorded neural data and/or inform existing models of neurobehavioral function, such as those developed with the support of the NIH BRAIN Initiative.

Applications are due February 14, 2023. An estimated 15 awards with a ceiling of \$450,000 for two years are anticipated.

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

Centers of Excellence in Regulatory Science and Innovation (CERSI)
Food and Drug Administration (FDA), Department of Health and Human Services (HHS)

Notice seeking applications to provide support, depending on availability of FDA funding, for collaborative research with FDA and regulatory science information sharing opportunities.

Applications are due December 22, 2022. Optional letters of intent are due October 31, 2022. Five awards are anticipated.

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

SCIENCE, TECHNOLOGY, ENGINEERING, and MATHEMATICS

Advanced Chip Engineering Design and Fabrication
National Science Foundation (NSF)

Notice seeking proposals to leverage the complementary academic talent and engineering strengths of semiconductor research in the U.S. and Taiwan to enable chip design and fabrication to advance semiconductor science, engineering, and education.

A Research Concept Outline (RCO) must be submitted to nsf-acedfab@nsf.gov no later than December 13, 2022. Proposals are due January 17, 2023. Approximately \$6 million is available to fund five to seven awards.

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

Atmospheric and Geospace Sciences Postdoctoral Research Fellowships
National Science Foundation (NSF)

Notice seeking proposals highly qualified early career investigators to carry out an independent research program. The research plan of each Fellowship must address scientific questions within the scope of AGS disciplines. These disciplines include Atmospheric Chemistry (ATC), Climate and Large-Scale Dynamics (CLD), Paleoclimate (PC), and Physical and Dynamic Meteorology (PDM) in the Atmospheric Sciences, and Aeronomy (AER), Magnetospheric Physics (MAG), Solar Terrestrial (ST), and Space Weather Research (SWR) in the Geospace Sciences.

Proposals are accepted anytime. Approximately \$2 million is available to fund up to 10 awards.

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

Build and Broaden: Enhancing Social, Behavioral and Economic Science Research and Capacity at Minority-Serving Institutions
National Science Foundation (NSF)

Notice seeking proposals to support fundamental research and research capacity across disciplines at minority-serving institutions (MSIs) and encourages research collaborations with scholars at MSIs. Growing the science, technology, engineering and mathematics (STEM) workforce is a national priority.

Proposals are due January 19, 2023 and Third Thursday in January, annually thereafter. Approximately \$8 million is available to fund 25 to 30 awards.

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

Fiscal Year 2023 Distinguished Early Career Program
Department of Energy (Energy), Office of Nuclear Energy (NE)

Notice seeking applications to provide stable support at a sufficient level and duration to enable awardees to develop careers, not only as outstanding researchers, but also as educators demonstrating commitment to teaching, learning, and dissemination of knowledge.

Applications are due November 3, 2022. Approximately \$2.5 million is available to fund up to four awards.

LINKS: [Grants.gov](#), [Agency Site](#)

Funding Opportunity Announcement (FOA) Marine Energy Systems Innovation at Sea
Department of Energy (Energy)

Notice seeking applications supports wave powered systems innovation for desalinated water production applications, research and development for Powering the Blue Economy (PBE) markets, and a feasibility assessment for an ocean current test facility.

Required concept papers are due November 4, 2022. Applications are due February 24, 2023. Approximately \$10.3 million is available to fund up to 14 awards. The cost share must be at least 20% of the total allowable costs for research and development projects.

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

FY2023 Continuation of Solicitation for the Office of Science Financial Assistance Program
Department of Energy (Energy), Office of Science (SC)

Notice seeking applications for support of work in the following program areas: Advanced Scientific Computing Research, Basic Energy Sciences, Biological and Environmental Research, Fusion Energy Sciences, High Energy Physics, Nuclear Physics, Isotope R&D and Production, and Accelerator R&D and Production.

Applications are due any time until September 30, 2023.

LINKS: [Grants.gov](#), [Agency Site](#)

Gambit

Defense Advanced Research Projects Agency (DARPA), Department of Defense (Defense), Tactical Technology Office (TTO)

Notice seeking proposals to develop and demonstrate a Rotating Detonation Engine (RDE) propulsion system that enables standoff strike of time-critical targets from 4th generation fighters at campaign scale.

Proposals are due December 2, 2022. Multiple awards are anticipated.

LINKS: [Contract Opportunities](#)

Long Range Broad Agency Announcement (BAA) for Navy and Marine Corps Science and Technology
Department of Defense (Defense), Office of Naval Research (ONR)

Notice seeking proposals for Long-Range S&T Projects that offer potential for advancement and improvement of Navy and Marine Corps operations.

Proposals will be accepted until September 30, 2023.

LINKS: [Grants.gov](#), [Solicitation](#), [Contract Opportunities](#)

National Competitive Harmful Algal Bloom Programs

National Oceanic and Atmospheric Administration (NOAA), Department of Commerce (Commerce)

Notice seeking proposals that funds regional-scale and targeted research through a competitive, peer-reviewed process to address our Nation's most pressing issues including harmful algal blooms and hypoxia research as authorized under the Harmful Algal Bloom and Hypoxia Research and Control Act, coastal resiliency, sea-level rise, ocean acidification, mesophotic coral ecosystems, and effective ecosystem-based management.

Required letters of intent are due November 8, 2022. Applications are due January 31, 2023. Approximately \$2.8 million is available to fund eight awards.

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

Office of Polar Programs Postdoctoral Research Fellowships
Directorate for Geosciences (GEO), National Science Foundation (NSF)

Notice seeking proposals to provide opportunities for early career scientists, including social scientists, to accomplish one or more of the following goals: expand their work across traditional disciplinary lines, develop new partnerships connecting the polar regions and/or non-polar research communities, and provide entry to researchers who have traditionally had limited access to polar research resources, sites and facilities. The fellowship program encourages the integration of new investigators who have not previously worked in polar regions and/or innovative techniques that have not previously been applied to polar science into polar research.

Proposals are due February 6, 2023 and First Monday in February, annually thereafter. Approximately \$3 million is available to fund 10 awards.

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

Research Opportunity: Mechanically Interlocked Materials (MIMs)
Defense Advanced Research Projects Agency (DARPA), Department of Defense (Defense)

Notice seeking proposals focus on identifying new, scalable synthetic and biological methodologies to create mechanically interlocked and woven polymer architectures with enhanced properties compared to traditional materials. New methodologies will provide precise control over molecular composition, topology, and dimensionality that can be synthesized beyond the laboratory scale.

Proposals are due December 14, 2022. Abstracts are strongly encouraged and due November 2, 2022. A webinar will be held on October 19, 2022. Registrations are due October 14, 2022.

LINKS: [Contract Opportunities](#), [Agency Site](#)

ROSES 2022: Heliophysics Low Cost Access to Space
National Aeronautics and Space Administration (NASA)

Notice seeking proposals to investigate key heliophysics science questions and to advance the development of technologies and their application to enable new investigations of heliophysics science questions in the coming years. This is achieved through investigations flown on suborbital rockets, stratospheric balloons, or airborne platforms.

Required Notices of intent are due November 17, 2022. Proposals are due January 12, 2023. Up to \$4 million is available to fund three to six awards.

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

Translational Research Institute for Space Health (TRISH) Postdoctoral Fellowship
National Aeronautics and Space Administration (NASA)

Notice seeking applications for the TRISH Postdoctoral Fellowship Program. Postdoctoral fellowships will be competitively awarded in any laboratory in the United States (U.S.) conducting biomedical/biotechnological research aligned with TRISH's mission and goals. TRISH is an applied space health research catalyst that funds disruptive, high-impact scientific studies and technologies to equip astronauts for deep space exploration.

Applications are due January 26, 2023. The postdoctoral fellowship will be funded as a stipend of \$60,000 per year, plus a set allocation for health insurance and conference travel.

LINKS: [Solicitation](#)

Advisory Committee for Engineering
National Science Foundation (NSF)

Notice announcing a meeting of the Advisory Committee on Engineering. The purpose of the meeting is to provide advice, recommendations and counsel on major goals and policies pertaining to engineering programs and activities.

The meeting will be held October 25, 2022; 11:00 a.m.-6:00 p.m. (ET) and October 26, 2022; 9:00 a.m.-2:00 p.m. (ET). The meeting will be held virtually.

LINKS: [Federal Register](#)

20th Annual P3 Awards: A National Student Design Competition Focusing on People, Prosperity and The Planet
Environmental Protection Agency (EPA)

Notice seeking proposals from teams of interdisciplinary undergraduate students to take a holistic approach, grounded in research and innovation, to develop and demonstrate solutions to real world environmental challenges. Project categories include: clean and healthy air; clean and safe water; safeguard and revitalize communities; and ensure safety of chemicals.

Applications are due February 1, 2023. Multiple awards of up to \$75,000 are anticipated.

LINKS: [Agency Site](#)

FY23 Young Fishermen's Career Development Projects
National Oceanic and Atmospheric Administration (NOAA), Department of Commerce (Commerce)

Notice seeking proposals to develop and execute local, regional, and national programs, workshops, and services to enable fishermen to enter career paths and make a living supplying seafood from our oceans, coasts, and Great Lakes.

Required Letters of Intent are due December 1, 2022. Proposals are due February 15, 2023. Approximately \$1 to \$2 million is available to fund two to five awards. Cost share of at least 25 percent is required.

LINKS: [Grants.gov](#)

Mid-scale Research Infrastructure-1
National Science Foundation (NSF)

Notice seeking proposals to develop "Mid-Scale Research Infrastructure," intended to provide NSF with an agile, Foundation-wide process to fund experimental research capabilities in the mid-scale range between higher and lower range facilities.

Required preliminary proposals are due January 5, 2023. Approximately \$100 million to \$130 million is available to fund approximately five to ten awards.

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

NRL Long Range Broad Agency Announcement (BAA) for Basic and Applied Research
Department of Defense (Defense), Naval Research Laboratory (NRL)

Notice seeking proposals to conduct basic and applied research for the Navy in a variety of scientific and technical disciplines. The research conducted at NRL is a broadly-based multidisciplinary program of scientific research and advanced technological development directed toward maritime applications of new and improved materials, techniques, equipment, systems and ocean, atmospheric, and space sciences and related technologies.

White papers may be submitted at any time until October 7, 2023.

LINKS: [Grants.gov](#), [Solicitation](#), [Contract Opportunities](#)

Research and Development of Biotechnological Tools for White-nose Syndrome
Fish and Wildlife Service (FWS), Department of the Interior (Interior)

Notice seeking proposals to investigate, develop, evaluate, and implement innovative biotechnologies to eliminate the threat of White-nose Syndrome to bats in North America.

Applications are due March 31, 2023. Multiple awards of up to \$300,000 are anticipated.

LINKS: [Grants.gov](#)

ROSES 2022: Multidomain Reusable Artificial Intelligence Tools
National Aeronautics and Space Administration (NASA)

Notice seeking proposals that enable critically needed machine learning tools to advance Heliophysics and Earth Science research.

Required notices of intent are due November 9, 2022. Approximately \$2 million is available to fund 10 to 13 awards.

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

University Student Research Challenge (USRC2)
National Aeronautics and Space Administration (NASA), Aeronautics Research Mission Directorate (ARMD)

Notice seeking proposals to challenge students to propose new aeronautics ideas/concepts that are relevant to ARMD. Apart from this, the students also have the challenge of raising cost share funds through crowdfunding platform.

Proposals are due November 10, 2022, February 23, 2023, and June 22, 2023. Ten awards are anticipated with a maximum of \$80,000 per awards. Cost sharing is required.

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

Ceres Proposers Day
Defense Advanced Research Projects Agency (DARPA), Department of Defense (Defense), Biological Technologies Office (BTO)

Notice announcing a proposers' day for the Ceres Program. This program aims to greatly reduce the cost of remediation by generating a platform that requires minimal energy and human intervention, leveraging the natural behaviors and processes performed by plant-microbe communities. Specifically, Ceres seeks to

develop modular platforms that demonstrate proof-of-concept capabilities for two specific applications – one focused on cleaning TNT or JP-8 and the other on indicating the presence of TNT and JP-8.

A hybrid Proposers Day will be held on October 14, 2022, from 11 a.m. to 3:45 p.m. at DoubleTree Crystal City, and October 18, 2022 for virtual-only sidebars. Advance registration is required.

LINKS: [Contract Opportunities](#), [Agency Site](#)

SBE Postdoctoral Research Fellowships
National Science Foundation (NSF)

Notice seeking proposals to encourage independence early in the fellow's career by supporting his or her research and training goals. The research and training plan of each fellowship must address important scientific questions within the scope of the SBE directorate and the specific guidelines in this solicitation.

Proposals are due January 10, 2023, November 1, 2023 and First Wednesday of November, annually thereafter. Approximately \$3 million is available to fund 15 to 20 awards.

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

Advisory Committee for Geosciences; Notice of Meeting
National Science Foundation (NSF)

Notice announcing a meeting of the Advisory Committee for Geosciences to provide advice, recommendations, and oversight on support for geoscience research and education including atmospheric, geo-space, earth, ocean, and polar sciences.

The meetings will be held virtually on November 3, 2022 from 11:00 a.m. to 4:30 p.m. ET and November 4 from 11:00 a.m. to 4:00 p.m.

LINKS: [Federal Register](#), [Agency Site](#)

Biological Anthropology Program - Doctoral Dissertation Research Improvement Grants
National Science Foundation (NSF)

Notice seeking proposals to advance scientific knowledge about the processes that have shaped biological diversity in living and fossil humans and their primate relatives through support of basic research on human and primate evolution, biological variation, and interactions between biology, behavior and culture. The program supports a portfolio of research that demonstrates engagement with biological anthropological and evolutionary theory; includes diverse and interdisciplinary methods in field, laboratory and computational settings; encompasses multiple levels of analysis (e.g., molecular, organismal, population, ecosystem) and time scales from the short-term to evolutionary; and considers the ethical implications and societal impacts of the research.

Proposals are due between January 16, 2023 to January 26, 2023 and July 20, 2023 to July 31, 2023. Approximately \$600,000 to \$800,000 is available to fund 25 to 40 awards.

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

Biological Anthropology Program Senior Research Awards
National Science Foundation (NSF)

Notice seeking proposals to advance scientific knowledge about the processes that have shaped biological

diversity in living and fossil humans and their primate relatives through support of basic research on human and primate evolution, biological variation, and interactions between biology, behavior, and culture.

Proposals are due between January 16, 2023 to January 26, 2023 and July 20, 2023 to July 31, 2023. Up to \$5 million is available to fund 20 to 40 awards.

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

Climate Program Office (CPO), Earth System Science and Modeling Research in support of the Disaster National Oceanic and Atmospheric Administration (NOAA), Department of Commerce (Commerce)

Notice seeking proposals for improvements to precipitation and flood prediction, forecasting, and mitigation capabilities.

Applications are due January 26, 2022. Approximately \$2.3 million is available to fund five awards.

LINKS: [Grants.gov](#)

Cultural Anthropology Program - Doctoral Dissertation Research Improvement Grants
National Science Foundation (NSF)

Notice seeking proposals to support basic scientific research on the causes, consequences and complexities of human social and cultural variability.

Proposals are due January 17, 2023 and August 15, 2023. Approximately \$800,000 is available to fund 40 to 50 awards.

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

Dual Purpose with Dual Benefit: Research in Biomedicine and Agriculture Using Agriculturally Important Domestic Animal Species (R01)
National Institutes of Health (NIH), Department of Health and Human Services (HHS), United States Department of Agriculture (USDA)

Notice seeking proposals to facilitate and encourage carefully designed research studies through meticulous selection of farm animals that mimic human developmental, physiological, and etiological processes to better understand the biology of normal reproduction and reproductive pathophysiology, normal and abnormal metabolism, developmental origin of diseases, precision nutrition, and improve prevention and treatment of diseases in both human and agriculturally important domestic farm animals.

Applications are due December 15, 2022. Approximately \$5 million is available to support multiple awards.

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

Hierarchical Command and Control of Unmanned Systems (H- C2 UxS)
Department of Defense (Defense), Office of Naval Research (ONR)

Notice seeking applications to support of advancing hierarchical command and control of unmanned systems for future naval applications. This topic is seeking basic and applied research to explore alternative models for managing the command and control of unmanned systems, defining the information requirements for decision makers in a H- C2 organization, and performing initial research and development of command and control autonomy that would support those models.

Proposals are due January 27, 2023. Recommended white papers are due December 1, 2022.

LINKS: [Grants.gov](#), [Solicitation](#), [Contract Opportunities](#)

Mathematical and Physical Sciences Ascending Postdoctoral Research Fellowships
National Science Foundation (NSF)

Notice seeking proposals to support postdoctoral Fellows who will broaden the participation of members of groups that are historically excluded and currently underrepresented in MPS fields in the U.S., defined in this solicitation as Blacks or African Americans, Hispanics, Latinos, Indigenous and Native Americans, Alaska Natives, Native Hawaiians and other Native Pacific Islanders, as future leaders in MPS fields. The program is intended to recognize beginning investigators of significant potential and provide them with experience in research that will broaden perspectives, facilitate interdisciplinary interactions, and help broaden participation within MPS fields.

Proposals are due January 25, 2023, October 18, 2023, and Third Wednesday in October, annually thereafter. Approximately \$6 million to \$10 million is available to fund 20 to 50 awards.

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

Science of Artificial Intelligence – Basic and Applied Research for the Naval Domain
Department of Defense (Defense), Office of Naval Research (ONR)

Notice seeking proposals to support of advancing artificial intelligence for future naval applications. The Technology Areas covered are Machine Learning, Reasoning and Intelligence; Computational Methods for Decision Making – Automated Image Understanding; Command Decision Making (CDM); Cognitive Science for Human Machine Teaming; and Tactical AI for Marine Corps.

Proposals are due January 4, 2023. Optional white papers are due November 7, 2022.

LINKS: [Grants.gov](#), [Solicitation](#), [Contract Opportunities](#)

Advisory Committee for Integrative Activities
National Science Foundation (NSF)

Notice announcing a meeting of the Advisory Committee for Integrative Activities. The purpose of the meeting is to provide advice and recommendations about the use of and need for the Science and Technology Policy Institute.

The meeting will be held November 3, 2022; 9:00 a.m.-5:00 p.m. and November 4, 2022; 9:00 a.m.-11:15 a.m. via virtually.

LINKS: [Federal Register](#)

NASA Planetary Science Advisory Committee; Meeting
National Aeronautics and Space Administration (NASA)

Notice announcing a meeting of the NASA Planetary Science Advisory Committee to discuss reporting under the Government Performance and Results Act Modernization Act (GPRAMA) for NASA's Planetary Science Division.

The meeting will be held virtually on October 18, 2022 from 3:00 to 5:00 p.m. ET.

LINKS: [Federal Register](#), [Agency Site](#)