

ARTS, HUMANITIES, and INTERNATIONAL

2022 TIP Office Notification of Funding Opportunity - PEMS Statement of Interest
Department of State (State)

Notice seeking proposals to measurably and substantially reduce the prevalence of human trafficking in targeted populations in partner countries and jurisdictions through innovative interventions driven by research, monitoring, evaluation, and learning, and the expansion of partnerships with government, academia, civil society organizations, international organizations, and the private sector.

Applications are due March 10, 2022. Multiple awards with a range of \$1.5 million to \$15 million are anticipated.

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

FY 2022 Study of the U.S. Institutes for Global Student Leaders
Bureau of Educational and Cultural Affairs (ECA), Department of State (State)

Notice seeking proposals to provide multinational groups of undergraduate students with a deeper understanding of U.S. society, culture, and institutions. Each of the five Institutes focuses on a theme or topics in U.S. studies and will be five weeks in duration, including an approximately four-week academic residency at a U.S. academic institution and an approximately one-week integrated educational study tour.

Applications are due April 7, 2022. Approximately \$5.25 million is available.

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

Local Empowerment and Resilience Network (LEARN) Activity
United States Agency for International Development (USAID)

Notice seeking proposals to empower citizens and communities in Burma to develop and strengthen collaboration between civil society, ethnic service providers, and local administration/community-established governance structures to increase local agency, encourage social cohesion, and meet community needs.

Applications are due March 23, 2022 to burmaoaa@usaid.gov. Questions are due February 23, 2022. Cost share of at least 6 percent is required. Approximately \$30 is available over five years.

Limited Submission: Organizations may only submit one application

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

START Notice of Funding Opportunity
Department of State (State), Syria Transition Assistance Response Team Public Diplomacy office (START PD)

Notice seeking proposals to carry out a public diplomacy program to advance U.S. foreign policy goals and objectives for Syria.

Applications are due June 10, 2022. Approximately \$317,000 is available to fund 8 to 12 awards.

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

Bold Initiatives Small Grant Program
Department of State (State)

Notice seeking proposals to empower BOLD members to develop their leadership skills by implementing projects in their communities that will contribute to economic development or encourage increased civic engagement. Project proposals may be submitted by one BOLD member or a group of BOLD members and may be implemented in partnership with organizations, government authorities, or educational institutions.

Applications are due March 21, 2022. Approximately \$70,000 is available to fund seven awards. Partnership opportunities may exist for colleges and universities.

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

Guinea Local Health System Strengthening (GLHSS)
United States Agency for International Development (USAID)

Notice seeking applications designed to strengthen local health systems in targeted geographic areas so that Guineans can access a higher quality of health care in their communities and local public health facilities.

Concept papers are due March 24, 2022. Questions are due February 24, 2022. Multiple awards are anticipated. Cost sharing is required.

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

Disrupting Malign State Behavior
Department of State (State)

Notice seeking proposals to train foreign partner nations to acknowledge, understand, and address malign state actor activities and influence U.S. national and international security and established nonproliferation norms, including across public and private sectors, aggression against land, air, and maritime borders, exploitation of national strategic assets, and globally emerging and sensitive technologies.

Applications are due April 22, 2022. An estimated ten awards of up to \$1 million are anticipated.

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

Preservation and Access Education and Training
National Endowment for the Humanities (NEH), Division of Preservation and Access

Notice seeking proposals for national, regional, or statewide education and training programs that provide the staff of cultural institutions with the knowledge and skills needed to serve as effective stewards of humanities collections.

Applications are due May 17, 2022. Approximately ten awards of up to \$350,000.

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

Research and Development
National Endowment for the Humanities (NEH), Division of Preservation and Access

Notice seeking proposals for projects that address major challenges in preserving or providing access to humanities collections and resources. Research and Development offers two funding tiers in order to address projects at all stages of development and implementation.

Applications are due May 17, 2022. Approximately seven awards are anticipated, with a Tier I ceiling of \$75,000 and a Tier II ceiling of \$350,000.

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

EDUCATION and ECONOMIC & COMMUNITY DEVELOPMENT

FY 2022 - FY 2023 Pollution Prevention Grant Program
Environmental Protection Agency (EPA), Office of Chemical Safety and Pollution Prevention

Notice seeking applications to fund two-year Pollution Prevention assistance agreements for projects that provide technical assistance (e.g., information, training, tools) to businesses to help them develop and adopt source reduction practices (also known as "pollution prevention" or "P2"). P2 means reducing or eliminating pollutants from entering any waste stream or otherwise being released into the environment prior to recycling, treatment, or disposal.

Applications are due April 11, 2022. Approximately \$9.38 million is available to fund 20 awards. Cost share of at least 50 percent is required.

LINKS: [Grants.gov](#), [Grants.gov \(Bipartisan Infrastructure Law\)](#)

OSEP: Educational Technology, Media, and Materials for Individuals with Disabilities Program—
Educational Materials in Accessible Formats for Eligible Children and Students with Disabilities, Assistance Listing Number 84.327D

Department of Education (Education), Office of Special Education and Rehabilitative Services (OSERS)

Notice seeking applications to improve results for children with disabilities by (1) promoting the development, demonstration, and use of technology; (2) supporting educational activities designed to be of educational value in the classroom; (3) providing support for captioning and video description that is appropriate for use in the classroom; and (4) providing accessible educational materials (AEM) to children with disabilities in a timely manner.

Applications are due April 11, 2022. Approximately \$8.5 million is available.

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

Partnerships for Climate-Smart Commodities – Building Markets and Investing in America's Climate-Smart Farmers, Ranchers and Forest Owners to Strengthen U.S. Rural and Agricultural Communities
United States Department of Agriculture (USDA), Natural Resources Conservation Service (NRCS)

Notice seeking applications to support the production and marketing of climate-smart commodities through a set of pilot projects that provide voluntary incentives through partners to producers and land owners.

Applications are due April 8, 2022 for the first funding pool and May 27 for the second funding pool. The maximum amount for the first funding pool is \$100 million. The maximum amount for the second funding pool is 5 million. Partnerships are encouraged.

LINKS: [Grants.gov](#)

Rural Community Development Initiative
United States Department of Agriculture (USDA)

Notice seeking proposals from entities in low-income rural communities to provide financial and technical assistance to community recipients to develop their capacity and ability to undertake projects related to housing, community facilities, or community and economic development that will support the community.

Applications are due April 19, 2022. An estimated 30 awards of up to \$250,000 are anticipated.

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

Reopening; Eligibility Designations and Applications for Waiving Eligibility Requirements; Programs Under Parts A and F of Title III and Programs Under Title V of the Higher Education Act of 1965, as Amended (HEA)

Department of Education (Education), Office of Postsecondary Education (OPE)

Notice reopening applications for the waiver of eligibility requirements for fiscal year (FY) 2022 (Eligibility NIA) for programs authorized by Parts A and F of Title III and by Title V of the HEA. This notice reopens the Deadline for Transmittal of Applications.

Applications are due February 18, 2022.

LINKS: [Federal Register](#)

Request for Information (RFI): Inviting Comments and Suggestions on a Framework for the NIH-Wide Strategic Plan for Diversity, Equity, Inclusion, and Accessibility

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

Notice seeking input to assist the NIH in developing the agency-Wide Strategic Plan for Diversity, Equity, Inclusion, and Accessibility.

Comments are due April 3, 2022.

LINKS: [Federal Register](#)

Acer Access and Development Program

United States Department of Agriculture (USDA), Agricultural Marketing Service (AMS)

Notice seeking applications for projects that support the efforts of States, Tribal governments, and research institutions to promote the domestic maple syrup industry through activities associated with: promotion of research and education related to maple syrup production; promotion of natural resource sustainability in the maple syrup industry; market promotion for maple syrup and maple-sap products; encouragement of owners and operators of privately held land containing species of trees in the genus Acer to initiate or expand maple-sugaring activities on the land; or to voluntarily make the land available, including by lease or other means, for access by the public for maple-sugaring activities.

Applications are due April 26, 2022. Approximately \$6 million is available.

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

Federal-State Marketing Improvement Program

United States Department of Agriculture (USDA), Agricultural Marketing Service (AMS)

Notice seeking applications for projects that explore new market opportunities for U.S. food and agricultural products and encourage research and innovation aimed at improving the efficiency and performance of the U.S. marketing system.

Applications are due April 26, 2022. Approximately \$1 million is available. Cost share of one to one is required.

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

Well-Rounded Education Programs: Jacob K. Javits Gifted and Talented Students Education (Javits) Program, Assistance Listing Number 84.206A
Department of Education (Education), Office of Elementary and Secondary Education (OESE)

Notice seeking applications to supports evidence-based research, demonstration projects, innovative strategies, and similar activities designed to build and enhance the ability of elementary schools and secondary schools nationwide to identify gifted and talented students and meet their special educational needs.

Applications are due April 4, 2022. Notices of intent are March 8, 2022. Approximately \$6.6 million is available to fund 9 to 15 awards.

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

Reduction in Lead Exposure Via Drinking Water
Environmental Protection Agency (EPA)

Notice seeking applications to reduce lead in drinking water in disadvantaged communities through full lead service line replacements and/or treatment improvements or facility remediation in schools and child care facilities. The goal of these projects is to address conditions that contribute to increased concentrations of lead in drinking water in disadvantaged communities.

Applications are due April 19, 2022. Approximately \$20 million is available to fund seven awards. Cost share of 20 percent is required.

LINKS: [Grants.gov](#)

HEALTH and MENTAL HEALTH

Biomarker Signatures of TB Infection in Young Children with and Without HIV (R01 Clinical Trial Not Allowed)

National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Allergy and Infectious Diseases (NIAID); National Institute of Child Health and Human Development (NICHD)

Notice seeking applications to advance research to discover and validate novel biomarkers of Tuberculosis (TB) infection and subsequent risk of progression to TB disease in young children with and without HIV.

Applications are due June 8, 2022. Optional letters of intent are due 30 days prior to the application due date. Approximately \$2.25 million is available.

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

Drug-Free Communities (DFC) Support Program- NEW
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 fund applicants who have never received DFC funding to carry out the two goals of the program. The DFC Support Program has two goals: Establish and strengthen collaboration among communities, public and private non-profit agencies, as well as federal, state, local, and tribal governments to support the efforts of community coalitions working to prevent and reduce substance use among youth (individuals 18 years of age and younger); and Reduce substance use among youth and, over time, reduce substance use among adults by addressing the factors in a community that increases the risk of substance use and promoting the factors that minimize the risk of substance use.

Applications are due April 11, 2022. Approximately \$31.25 million is available to fund 50 awards over five years. Cost sharing is required.

LINKS: [Grants.gov](#)

NIDCR Dental Specialty and PhD Program (K12 Clinical Trial Not Allowed)

National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Dental and Craniofacial Research (NIDCR)

Notice seeking applications to develop outstanding dentist scientists through structured programs that provide advanced clinical training in an approved dental specialty, research career development activities, and mentored research training leading to a PhD in biomedical or behavioral science.

Applications are due July 7, 2022. Optional letters of intent are due June 7, 2022. Approximately \$1,5 million is available to fund six awards.

Limited Submission: Only one application per institution is allowed.

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

BRAIN Initiative: Targeted BRAIN Circuits Planning Projects TargetedBCPP (R34 Clinical Trials Not Allowed)

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

Notice seeking proposals for exploratory research projects that use innovative, methodologically-integrated approaches to understand how circuit activity gives rise to mental experience and behavior.

Applications are due July 1, 2022. An estimated ten awards of up to \$225,000 per year are anticipated.

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

BRAIN Initiative: Targeted BRAIN Circuits Projects- TargetedBCP (R01 Clinical Trial Not Allowed)

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

Notice seeking proposals for research projects that use innovative, methodologically-integrated approaches to understand how circuit activity gives rise to mental experience and behavior.

Applications are due July 1, 2022. An estimated \$15 million is available to fund 20 awards.

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

Integrating Mental Health Care into Health Care Systems in Low- and Middle-Income Countries (R01 Clinical Trial Optional)

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

Notice seeking proposals that explore the utility of established services/platforms structure for treatment of chronic communicable and non-communicable diseases for providing integrated mental health care model / interventions for the treatment of patients with co-morbid mental and chronic conditions in low- and middle-income countries.

Applications are due June 22, 2022. Approximately \$3 million is available to fund six to seven awards.

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

NIDCR Mentored Career Development Award to Promote Diversity (K01 Independent Basic Experimental Studies with Humans Required; K01 Independent Clinical Trial Not Allowed; and K01 Clinical Trial Required)

National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Dental and Craniofacial Research (NIDCR)

Notice seeking proposals from postdoctoral fellows and early career faculty from diverse backgrounds, including those from groups underrepresented in the biomedical, behavioral, and social sciences, seeking advancement in the dental, oral, and craniofacial research workforce to receive salary and research support for a sustained period of protected time for intensive research career development under the guidance of an experienced mentor. Mechanisms are available for projects with the following parameters: K01 Independent Basic Experimental Studies with Humans Required; K01 Independent Clinical Trial Not Allowed; and K01 Clinical Trial Required.

The next due date for applications is March 15, 2022. Multiple awards are anticipated, consisting of salary support, research development, and other fringe benefits.

LINKS: [Grants.gov \(K01 Independent Basic Experimental Studies with Humans Required\)](#), [Grants.gov \(K01 Independent Clinical Trial Not Allowed\)](#), [Grants.gov \(K01 Clinical Trial Required\)](#)

Meeting of the Substance Abuse and Mental Health Services Administration National Advisory Council
Substance Abuse and Mental Health Services Administration (SAMHSA), Department of Health and Human Services (HHS)

Notice announcing a meeting of the Substance Abuse and Mental Health Services Administration National Advisory Council with the following agenda: remarks from the Assistant Secretary for Mental Health and Substance Use; approval of prior meeting minutes; updates on SAMHSA priorities; and follow up on topics related to the previous SAMHSA NAC meeting; and council discussions.

The meeting will be held virtually on March 24, 2022 from 1:00 to 5:00 pm ET.

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

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), Agency of Toxic Substances and Disease Registry (ATSDR)

Notice seeking applications for investigator-initiated research that will identify and evaluate risk factors contributing to ALS, with preferred focus in this Notice of Funding Opportunity on factors related to military service, contact sports, traumatic brain injury, neuroinflammation, and infectious agents.

Applications are due April 18, 2022. Optional letters of intent are due March 11, 2022. Up to \$2.5 million is available to fund 8 awards.

LINKS: [Grants.gov](#)

In utero Treatments of Congenital Dental and Craniofacial Disorders Using Precision Medicine Approaches (R01 and R21 Clinical Trial Not Allowed)

National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Dental and Craniofacial Research (NIDCR)

Notice seeking applications to foster innovative research to directly enable precision medicine approach- and animal model-based development of in utero treatments for congenital dental and craniofacial diseases and conditions. The FOA looks to support projects that will demonstrate the feasibilities of treatment

targets, treatment modalities, treatment delivery modalities, and gestational treatment time windows, as well as projects that will establish experimental systems and methods for the development of in utero treatments, all designed in the context of specific congenital dental and craniofacial diseases and conditions.

Applications are due June 14, 2022. Optional letters of intent are due May 14, 2022. Approximately \$3 million is available to support six to eight R01 and R21 awards.

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

Myalgic Encephalomyelitis Chronic Fatigue Syndrome (ME/CFS) Collaborative Research Centers (CRCs) (U54, Basic Experimental Studies Involving Humans Allowed)
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking proposals for Myalgic Encephalomyelitis/Chronic Fatigue Syndrome (ME/CFS) Collaborative Research Centers that will work collaboratively to define the cause(s) of and discover improved treatments for ME/CFS.

Applications are due May 24, 2022. Multiple awards of up to \$1.2 million are anticipated.

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

Meeting of the Presidential Advisory Council on HIV-AIDS
Department of Health and Human Services (HHS), Office of the Assistant Secretary for Health (OASH)

Notice announcing a meeting of the Presidential Advisory Council on HIV and AIDS. The purpose of the meeting is to provide advice, information, and recommendations to the Secretary regarding programs and policies intended to promote effective HIV diagnosis, treatment, prevention, and quality care services.

The virtual meeting will be held on Monday, March 14 and Tuesday March 15, 2022 from approximately 10:00-4:30 p.m. (ET) on both days.

LINKS: [Federal Register](#)

Emergency Award: RADx-UP Community-Engaged Research on Rapid SARS-CoV-2 Testing among Underserved and Vulnerable Populations (U01 Clinical Trial Optional)
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking proposals to implement and rigorously evaluate SARS-CoV-2 rapid testing strategies in communities experiencing COVID-19 health disparities.

Applications are due May 2, 2022. An estimated 12 awards of up to \$700,000 per year are anticipated.

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

Emergency Awards: RADx-UP - Social, Ethical, and Behavioral Implications (SEBI) Research on Disparities in COVID-19 Testing among Underserved and Vulnerable Populations (U01 Clinical Trial Optional)
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking proposals to conduct social, ethical, and behavioral implications research to understand and reduce barriers to COVID-19 testing, as well as COVID-19 disparities that arise from barriers to testing among underserved and vulnerable populations.

Applications are due May 2, 2022. An estimated seven to ten awards of up to \$350,000 per year are anticipated.

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

Health Equity and the Cost of Novel Treatments for Alzheimer's Disease and Related Dementias (R61 R33 Clinical Trial Not Allowed)
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute on Aging (NIA)

Notice seeking proposals that address health equity, drug costs, and access to new therapeutics or repurposed drugs for Alzheimer's disease and Alzheimer's disease-related dementias.

Applications are due July 1, 2022. Approximately \$2 million is available to fund six awards.

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

Limited Competition: Transformative Research to Address Health Disparities and Advance Health Equity at Minority Serving Institutions (U01 Clinical Trial Optional)
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking applications to support collaborative investigative teams or individual scientists who propose unusually innovative research projects, which, if successful, would have a major impact in developing, implementing, or disseminating innovative and effective interventions to prevent, reduce, or eliminate health disparities and advance health equity. No preliminary data are required.

Applications are due May 23, 2022. Optional letters of intent are due April 22, 2022. Approximately \$5 million is available to fund three to five awards.

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

Microbial-based Cancer Imaging and Therapy - Bugs as Drugs (R01-R21 Clinical Trial Not Allowed)
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Cancer Institute (NCI)

Notice seeking applications proposing to utilize bacteria, archaeobacteria, bacteriophages, or other non-oncolytic viruses and their natural products to study the underlying mechanisms of the complex interactions between microorganisms, tumors, and the immune system, and to explore their clinical potential for cancer imaging, therapeutics or diagnostics. Projects can focus on using microorganisms as anti-tumor agents, as activators of anti-tumor immunity, or as delivery vehicles for treatment, diagnosis, or imaging, complementing or synergizing with existing tools and approaches.

R01 applications are due annually on June 5, October 5 and February 5. R21 applications are due annually on June 16, October 16, and February 16.

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

Center for Substance Abuse Prevention; Notice of Meeting
Substance Abuse and Mental Health Services Administration (SAMHSA), Department of Health and Human Services (HHS)

Notice announcing a meeting of the Center for Substance Abuse Prevention National Advisory Council for discussions of substance use prevention priorities, including the prevailing Institute of Medicine model, as well as agency practices regarding innovation and evaluation of programs.

The meeting will be held virtually on March 15, 2022 from 1:00 to 5:00 p.m. ET.

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

SCIENCE, TECHNOLOGY, ENGINEERING, and MATHEMATICS

Bureau of Land Management Headquarters (HQ) National Plant Conservation and Restoration Management

Bureau of Land Management (BLM), Department of the Interior (Interior)

Notice seeking applications to increase the quantity, diversity, and effectiveness of native forbs and grasses for restoration of wildlife habitats and rehabilitation after wildfires.

Applications are due April 11, 2022. Approximately \$2 million is available to fund 10 awards.

LINKS: [Grants.gov](#)

Algorithms for Modern Power Systems
National Science Foundation (NSF)

Notice seeking proposals for research projects to develop the next generation of mathematical and statistical algorithms for improvement of the security, reliability, and efficiency of the modern power grid.

Applications are due May 11, 2022. Approximately \$2 million is available to fund four to ten awards.

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

Concentrating Solar-Thermal Power Fiscal Year 2022 Research, Development, and Demonstration Program
Department of Energy (Energy)

Notice seeking proposals for innovative research, development, and demonstration that accelerates the large-scale development and deployment of solar technology to support an equitable transition to a decarbonized electricity system by 2035 and decarbonized energy sector by 2050.

Concept papers are due March 16, 2022. An estimated 15 awards of up to \$6 million are anticipated.

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

EPSCoR Research Infrastructure Improvement (RII) Track 4: EPSCoR Research Fellows
National Science Foundation (NSF)

Notice seeking proposals to provide awards to build research capacity in institutions and transform the career trajectories of investigators and further develop their individual research potential through extended collaborative visits to the nation's premier private, governmental, or academic research centers.

Proposals are due May 12, 2022. Approximately \$11 million is available to fund 40 awards.

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

Fiscal Year (FY) 2023 Department of Defense Multidisciplinary Research Program of the University Research Initiative (MURI)
Army (Army), Navy (Navy), Department of Defense (Defense)

Notice seeking proposals for multidisciplinary research efforts where more than one traditional discipline interacts to provide rapid advances in scientific areas of interest to the DoD. Air Force, Navy, and Army grants are available.

Applications are due September 9, 2022. Multiple awards of up to \$1.5 million are anticipated.

LINKS: [Grants.gov \(AF\)](#), [Grants.gov \(Navy\)](#), [Grants.gov \(Army\)](#)

Future Manufacturing
National Science Foundation (NSF)

Notice seeking proposals for fundamental research and the education 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.

Applications are due May 10, 2022. An estimated \$30.5 million is available to fund approximately 22 awards.

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

FY2022 Research and Development for Next Generation Nuclear Physics Accelerator Facilities
Department of Energy (Energy)

Notice seeking proposals for R&D efforts directed at transformative accelerator R&D of relevance to current or next generation Nuclear-Powered accelerator facilities that accelerates discovery science to the benefit of the public.

Applications are due April 8, 2022. Multiple awards of up to \$2 million are anticipated.

LINKS: [Grants.gov](#)

FY22 Carbon Utilization Technology: Improving Efficient Systems for Algae
Department of Energy (Energy)

Notice seeking proposals to increase the carbon utilization efficiency of algal growth systems to aid in the conversion of domestic biomass and waste resources into fuels, products, and power to enable affordable energy, economic growth, and innovation in renewable energy and chemicals production.

Applications are due May 27, 2022. An estimated nine awards with a ceiling of \$3 million are anticipated.

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

Pathways to Enable Open-Source Ecosystems
National Science Foundation (NSF)

Notice seeking proposals 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 research projects result in publicly accessible, modifiable, and distributable open-sourced software, hardware or data platforms that catalyze further innovation.

Proposals are due May 12, 2022 for Phase 1 and October 21, 2022 for Phase 2. Approximately \$21 million is available to fund 30 awards.

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

Small Innovative Projects in Solar 2022- Concentrating Solar Thermal Power and Photovoltaics
Department of Energy (Energy)

Notice seeking proposals for seedling R&D projects for both photovoltaic and concentrating solar thermal power technologies.

Required letters of intent are due February 28, 2022. An estimated 23 awards of up to \$400,000 are anticipated.

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

Solar, Heliospheric, and INterplanetary Environment
National Science Foundation (NSF)

Notice seeking proposals supporting enhanced understanding of and predictive capabilities for the processes by which energy in the form of magnetic fields and particles are produced by the Sun and/or accelerated in interplanetary space and on the mechanisms by which these fields and particles are transported to the Earth through the inner heliosphere.

Applications are due May 11, 2022. Approximately \$3 million is available to support 10 to 15 awards.

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

Spectrum and Wireless Innovation enabled by Future Technologies
National Science Foundation (NSF)

Notice seeking proposals to identify new concepts and ideas on Spectrum and Wireless Innovation enabled by Future Technologies, particularly effective spectrum utilization and/or coexistence techniques, especially with passive uses.

Applications are due May 11, 2022. An estimated 12 to 18 awards of up to \$750,000 are anticipated.

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

Chemical and Materials Sciences to Advance Clean Energy Technologies and Low-Carbon Manufacturing
Department of Energy (Energy), Office of Science (SC)

Notice seeking applications to advance basic and fundamental chemical and materials sciences that underpin clean energy technologies and low-carbon manufacturing. The goal is creation of foundational knowledge to support the development of approaches that will minimize climate impacts of energy technologies and manufacturing.

Required pre-applications are due March 16, 2022. Approximately \$150 million is available.

Limited Submission: Institutions are limited to a total of no more than 3 pre-applications or applications.

LINKS: [Grants.gov](#)

FY2022 Research Opportunities in Accelerator Stewardship and Accelerator Development
Department of Energy (Energy)

Notice seeking proposals to conduct cross-cutting use-inspired basic research and development to advance accelerator science and technology and domestic supplier development.

Required pre-applications are due March 15, 2022. Multiple awards are anticipated with funding determined by topic.

LINKS: [Grants.gov](#)

Massive Cross Correlation (MAX)
Defense Advanced Research Projects Agency (DARPA), Department of Defense (Defense), Microsystems Technology Office (MTO)

Notice seeking proposals to develop correlators with high power efficiency, high dynamic range, and wide bandwidth to enable passive sensing, real-time SAR imaging and jam-resistant communications applications.

Abstracts are due March 16, 2022. Proposals are due May 4, 2022. Questions are due April 20, 2022. Approximately \$55 million is available to fund multiple awards.

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

Research and Development Innovations Broad Agency Announcement
Department of Defense (Defense), Defense Threat Reduction Agency (DTRA)

Notice seeking proposals for technologies in the technology readiness level (TRL) 3-7 range that will lead to new or improved technical solutions for countering and deterring WMD and other emerging threats.

Required Phase 1 proposals are due anytime until February 28, 2026.

LINKS: [Contract Opportunities](#)

Research Opportunities in Space and Earth Sciences 2022 (ROSES-2022)
National Aeronautics and Space Administration (NASA), Science Mission Directorate (SMD)

Notice seeking proposals to encourages the participation of the space and Earth science communities in SMD's research and technology programs. These programs form the foundation of both the basic and applied research that allows NASA's space and Earth science programs to be properly planned and carried through to the successful interpretation of data and its application to the needs of end users.

Proposals are anytime until May 12, 2023. The number and amount of awards will vary.

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

Support Grants for Participation in ARPA-E Grid Optimization (GO) Competition Challenge 3
Department of Energy (Energy), Advanced Research Projects Agency Energy (ARPA-E)

Notice seeking applications for a series of prize challenges to accelerate the development and comprehensive evaluation of grid software solutions.³ The GO Competition, Challenge 3, is an algorithm competition focused on the optimal power flow (OPF) problem for the electric power sector that includes AC power flow, optimal topology, bid-in demand, unit commitment, and N-1 reliability. Awardees under this FOA will be required to participate in Challenge 3.

Applications are due April 5, 2022. Questions are due March 25, 2022. Approximately \$4 million is available to support up to 10 awards.

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

Training-based Workforce Development for Advanced Cyberinfrastructure
National Science Foundation (NSF)

Notice seeking proposals to prepare, nurture, and grow the national scientific research workforce for creating, utilizing, and supporting advanced cyberinfrastructure (CI) to enable and potentially transform fundamental science and engineering (S&E) research and education and contribute to the Nation's overall economic competitiveness and security.

Proposals are due May 16, 2022, January 19, 2023 and the Third Thursday in January, annually thereafter. Approximately \$21.5 million is available to fund 12 to 18 awards.

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

WaterSMART: Applied Science Grants for Fiscal Year 2022
Department of the Interior (Interior), Bureau of Reclamation

Notice seeking applications for projects to develop hydrologic information, decision support tools, and tools to improve modeling and forecasting capabilities to increase water supply reliability.

Applications are due April 14, 2022. The maximum award amount is \$200,000. 50 percent or cost share is required.

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

Heliophysics Advisory Committee; Space Weather Council; Meeting
National Aeronautics and Space Administration (NASA)

Notice announcing a meeting of the Space Weather Council of the Heliophysics Advisory Committee with the following agenda: Introduction of the SWC and its members; Overview of NASA Heliophysics Division and its space weather activities; and Discussion of SWC future advisory topics and activities.

The meeting will be held virtually on March 2, 2022 from 12:00 to 3:00 p.m. ET.

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

NASA Advisory Council
National Aeronautics and Space Administration (NASA)

Notice announcing a meeting of the NASA Advisory Council. The agenda for the meeting will include reports from the following: Aeronautics Committee; Human Exploration and Operations Committee; Science Committee; STEM Engagement Committee; and Technology, Innovation and Engineering Committee.

The meeting will be held Tuesday, March 1, 2022, 1:00 p.m. to 5:00 p.m. ET; and Wednesday, March 2, 2022, 1:00 p.m. to 5:00 p.m. ET. The meeting will be virtual only.

LINKS: [Federal Register](#)

Public Meeting Notice of Scientific Earthquake Studies Advisory Committee
Department of the Interior (Interior)

Notice announcing a meeting of the Scientific Earthquake Studies Advisory Committee (SESAC). The purpose of the meeting is to review the current activities of the USGS Earthquake Hazards Program (EHP), discuss future priorities, and consider its draft report to the USGS Director.

The virtual meeting will be held on Tuesday, March 29, 2022, from 1-3 p.m. ET and Thursday, March 31, 2022, from 1-3 p.m. ET.

LINKS: [Federal Register](#)

University Training and Research for Fossil Energy and Carbon Management - Minority Serving Institutions (UCR and MSIs)
Department of Energy (Energy)

Notice seeking proposals for early-stage research in fossil energy and carbon management. A mechanism specifically for Minority Serving Institutions is also available.

Applications are due April 4, 2022. An estimated ten general awards of up to \$500,000 are anticipated. An estimated 11 awards of up to \$400,000 are anticipated for MSIs.

LINKS: [Grants.gov \(MSI\)](#), [Grants.gov \(UCR\)](#)

Advanced Scientific Computing Advisory Committee
Department of Energy (Energy), Office of Science (SC)

Notice announcing a meeting of the Advanced Scientific Computing Advisory Committee. The purpose of the meeting is to provide advice and guidance on a continuing basis to the Office of Science and to the Department of Energy on scientific priorities within the field of advanced scientific computing research.

The meeting will be held Tuesday, March 29, 2022; 11:00 a.m. to 3:00 p.m. ET, and Wednesday, March 30, 2022; 11:00 a.m. to 3:00 p.m. ET. The meeting will be held via Zoom.

LINKS: [Federal Register](#)