

ARTS, HUMANITIES, and INTERNATIONAL

USAID-Ethiopia - Quality Healthcare Activity
United States Agency for International Development (USAID)

Notice seeking applications to improve the reproductive, maternal, newborn, child, and adolescent health (RMNCAH) status of women, adolescent girls, and children by building the capacity of urban and peri-urban primary health care units (PHCU) and referral health facilities in planning and delivering client-centered, quality RMNCAH services.

Applications are due October 31, 2022. Approximately \$49.82 million is available over five years. A minimum of 10 percent is required for cost sharing.

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

EDUCATION and ECONOMIC & COMMUNITY DEVELOPMENT

National Advisory Council on Innovation and Entrepreneurship Meeting
Economic Development Administration (EDA), Department of Commerce (Commerce)

Notice announcing a meeting of the National Advisory Council on Innovation and Entrepreneurship. NACIE will continue to consider the development of a national entrepreneurship strategy, an overview of Federal support for technology innovation and entrepreneurship, and an exploration of critical emerging technologies, and the regional technology and innovation hubs program recently enacted by Congress.

The meeting will be held October 6, 2022, 9 a.m.-4 p.m. ET at the Herbert Clark Hoover Building (HCHB), 1401 Constitution Ave. NW, Washington, DC.

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

Notice of Stakeholder Listening Session Regarding Science Priorities
National Institute of Food and Agriculture (NIFA), United States Department of Agriculture (USDA)

Notice announces its stakeholder listening initiative "NIFA Listening Session for Stakeholder Input to Science Priorities." This stakeholder listening opportunity informs the research, extension and education priorities of NIFA, which has the mission of investing in and advancing agricultural research, education and extension to solve societal challenges.

The listening session will take place on November 2, 2022. The session will begin at 8:30 a.m. and is scheduled to end no later than 7 p.m. ET. Submission of online stakeholder input to the target questions will be open until November 30, 2022. All parties interested in attending the virtual listening session must RSVP no later than one week prior to the scheduled session.

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

Advanced Transportation Technologies and Innovative Mobility Deployment (ATTIMD) Program
U.S. Department of Transportation (DOT), Federal Highway Administration (FHWA)

Notice seeking proposals to deploy, install, and operate advanced transportation technologies to improve safety, mobility, efficiency, system performance, intermodal connectivity, and infrastructure return on investment. FHWA intends for these model technology deployments to help demonstrate how emerging transportation technologies, data, and their applications can be effectively deployed and integrated with existing systems to provide access to essential services and other destinations.

Applications are due November 18, 2022. Up to \$60 million is available to fund 5 to 10 awards. Cost-sharing is required.

LINKS: [Grants.gov](#)

HEALTH and MENTAL HEALTH

HEAL INITIATIVE: Development of Therapies and Technologies Directed at Enhanced Pain Management (R43 R44 Clinical Trial Not Allowed)
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking proposals from small businesses and their partners for the development of therapies and technologies directed at enhanced pain management.

Applications are due January 4, 2023. Approximately \$8 million is available to fund 5 to 15 awards.

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

HEAL Initiative: Prevention and Management of Chronic Pain in Rural Populations (UG3-UH3, Clinical Trials Required)
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking applications to accelerate implementation of effective non-opioid interventions for chronic pain management in rural and remote populations. Projects include pragmatic, implementation, or hybrid effectiveness-implementation trials to improve pain management and reduce the use of inappropriate opioid medications.

Applications are due November 21, 2022. Optional letters of intent are due October 22, 2022. Approximately \$5.7 million is available to fund five to six awards.

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

NCI Pathway to Independence Award for Outstanding Early Stage Postdoctoral Researchers
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Cancer Institute (NCI)

Notice seeking proposals to increase and maintain a strong cohort of new and talented, NCI-supported, independent investigators at the postdoctoral level. Available mechanisms include: K99/R00 - Independent Clinical Trial Not Allowed; K99/R00 - Independent Clinical Trial Required; and K99/R00 - Independent Basic Experimental Studies with Humans Required.

Applications are due February 28, 2023. Approximately \$2.7 million is available to fund up to 16 awards of all types.

LINKS: [Grants.gov \(K99/R00 - Independent Clinical Trial Not Allowed\)](#), [Grants.gov \(K99/R00 - Independent Clinical Trial Required\)](#), [Grants.gov \(K99/R00 - Independent Basic Experimental Studies with Humans Required\)](#)

Service Area Competition
Health Resources and Services Administration (HRSA), Department of Health and Human Services (HHS)

Notice seeking proposals to provide primary health care services to the Nation's medically underserved populations.

Applications are due November 14, 2022. Approximately \$175 million is available to fund up to 47 awards.

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

Battlefield Wound Management and Infection Research Award
Army (Army), Department of Defense (Defense)

Notice seeking applications to enhance combat traumatic wound care capabilities throughout the medical continuum of care, which may be complicated by combat operations, limited resources, austere conditions, and/or mass casualty events. The intent of the Award is to support research that will increase the understanding of complex wound physiology and infection control in order to support future application and maturation of products, technologies, and clinical practice.

Required pre-applications are due October 20, 2022. Approximately \$9.39M of FY22 and \$7.29M of FY23 is available to support 7 to 10 awards.

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

Botulinum Toxin Potency Assay using Tissue Chips (BoT PATCH) (UT1, UT2 Clinical Trail Not Allowed)
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Center for Advancing Translational Sciences (NCATS); National Institute of Neurological Disorders and Stroke (NINDS)

Notice seeking applications to establish the Botulinum Toxin Potency Assay using Tissue Chips (BoT PATCH) as a Drug Development Tool (DDT). A main objective for this funding opportunity would be to position BoT PATCH as an alternative test method that can be utilized as a stand-alone replacement for mouse lethality bioassay (MLB).

Applications are due November 21, 2022, February 22, 2023, and August 21, 2023. Approximately \$2.33 million is available.

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

BRAIN Initiative: Theories, Models and Methods for Analysis of Complex Data from the Brain (R01 Clinical Trial Not Allowed)
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking proposals for the development of theories, computational models, and analytical tools to derive understanding of brain function from complex neuroscience data.

Applications are due December 15, 2022. An estimated \$6 million is available to fund 15 awards.

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

Clinical Research Sites for the Network of Excellence in Neuroscience Clinical Trials (NeuroNEXT sites) (U24 Clinical Trial Not Allowed)
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Neurological Disorders and Stroke (NINDS)

Notice seeking proposals from currently awarded NeuroNEXT sites and potential new sites to participate as a Clinical Site in the Network for Excellence in Neuroscience Clinical Trials, which develops and conducts multiple, scientifically sound, possibly biomarker-informed exploratory clinical trials evaluating the most promising therapies for neurological disorders, whether from academic, foundation or industry discoveries.

Applications are due November 21, 2022. An estimated 25 awards with a per-year ceiling of \$275,000 are anticipated.

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

Department of Defense HIV-AIDS Prevention Program
Army (Army), Department of Defense (Defense)

Notice seeking applications to save lives, prevent HIV infections, and accelerate progress toward achieving HIV/AIDS epidemic control in more than 50 countries around the world.

Applications are due any time until September 18, 2027. 10 to 20 awards are anticipated.

LINKS: [Grants.gov](#)

DOD Toxic Exposures, Investigator-Initiated Research Award
Army (Army), Department of Defense (Defense)

Notice seeking applications to support studies that will make an important contribution toward research and/or patient care for a disease or condition related to toxic exposures. Research projects may focus on any phase of research from basic laboratory research through translational research, including preclinical studies in animal models and human subjects, as well as correlative studies associated with an existing clinical trial. New Approach Methodologies may also be used.

Required pre-applications are due November 3, 2022. Approximately \$9.6 million is available to fund 12 awards.

LINKS: [Grants.gov](#)

DOD Toxic Exposures, Translational Research Award
Army (Army), Department of Defense (Defense)

Notice seeking applications to support translational research that will accelerate the movement of promising ideas in toxic exposure research into clinical applications including health care products, interventions, technologies, and/or clinical practice guidelines. Translational research may be defined as an integration of basic science and clinical observations. New Approach Methodologies may also be used.

Required pre-applications are due November 3, 2022. Approximately \$8.96 million is available to fund five awards.

LINKS: [Grants.gov](#)

HEAL Initiative: HEAL Data2Action Acceleration Projects (R33 Clinical Trial Not Allowed)
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking applications to promote the synthesis and real-world application of existing data to improve epidemiology and guide and monitor improvements in service delivery to prevent or treat opioid use disorder (OUD) and pain.

Applications are due November 22, 2022. Optional letters of intent are due October 22, 2022. Approximately \$5 million is available to fund six to eight awards.

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

Schizophrenia and related disorders during mid- to late-life (R01 Clinical Trial Optional)

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

Notice seeking applications that will advance translational research to better understand the emergence, trajectory, and outcomes of schizophrenia and related psychotic disorders in mid- to late-life, and to identify targets for future development of prevention and treatment interventions.

Applications are due February 22, 2023. Optional letters of intent are due 30 days prior to the application due date. Approximately \$3 million is available to fund five to seven awards in FY 2024.

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

SCIENCE, TECHNOLOGY, ENGINEERING, and MATHEMATICS

Computer and Information Science and Engineering (CISE): Core Programs
National Science Foundation (NSF)

Notice seeking proposals to support research and education projects that develop new knowledge in all aspects of computing, communications, and information science and engineering, as well as advanced cyberinfrastructure.

Proposals are accepted anytime. MEDIUM and OAC Core projects are due December 22, 2022. Approximately \$280 million is available to fund 400 to 600 awards.

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

Cyberinfrastructure for Sustained Scientific Innovation
National Science Foundation (NSF)

Notice seeking proposals to enable funding opportunities that are flexible and responsive to the evolving and emerging needs in cyberinfrastructure (CI). The program continues to emphasize integrated CI services, quantitative metrics with targets for delivery and usage of these services, and community creation. The CSSI program anticipates three classes of awards: Elements; Framework of Implementations; and Transition to Sustainability.

Proposals are due December 16, 2022, December 1, 2023, and December 1, annually thereafter. Approximately \$34 million is available to fund 35 awards.

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

Enhance Aquifer Recharge Performance and Potential Risk in Different Regional and Hydrogeologic Settings
Environmental Protection Agency (EPA)

Notice seeking applications to establish best practices for enhanced aquifer recharge including the use of impaired sources of water. Under the 1996 Amendments to the Safe Drinking Water Act, the responsibility for ensuring public water systems provide safe drinking water is divided among EPA, states, tribal nations, water systems and the public (U.S. EPA 2022). The WRAP was developed in collaboration with federal, state, tribal, local, and water sector partners to build technical, financial, and institutional capacity for communities to drive progress on water reuse practices.

Applications are due November 9, 2022. Approximately \$8 million is available to fund four awards.

LINKS: [Grants.gov](#)

Environment-driven Conceptual Learning (ECOLE)

FON:

HR001122S0052

Defense Advanced Research Projects Agency (DARPA), Department of Defense (Defense)

Notice seeking proposals in the following areas of interest: Human Language Technology, computer vision, artificial intelligence, reasoning, and human-computer interaction.

Applications are due November 14, 2022. Multiple awards are anticipated.

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

EPSCoR Research Infrastructure Improvement Program: Track-2 Focused EPSCoR Collaborations (RII Track-2 FEC)
National Science Foundation (NSF)

Notice seeking proposals designed to fulfill the mandate of the National Science Foundation (NSF) to promote scientific progress nationwide. RII Track-2 FEC builds interjurisdictional collaborative teams of EPSCoR investigators in Science, Technology, Engineering, and Mathematics (STEM) focus areas consistent with the National Science Foundation 2022-2026 Strategic Plan.

Required letters of intent are due December 20, 2022. Proposals are due January 24, 2023. Approximately \$10 to \$15 million is available to fund 10 awards.

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

Fiscal Year 2023 Consolidated Innovative Nuclear Research
Department of Energy (Energy), Idaho Field Office

Notice seeking applications to advance U.S. nuclear power to meet the nation's energy needs by: 1) Enhancing the long-term viability and competitiveness of the existing U.S. reactor fleet; 2) Developing an advanced reactor pipeline; and, 3) Implementing and maintaining the national strategic fuel cycle and supply chain infrastructure. This CINR FOA address R&D Projects; Integrated Research Projects (IRPs); and Nuclear Science User Facilities (NSUF) Access Only Projects.

Required pre-applications are due October 11, 2022. Applications are due February 8, 2023. Letters of intent are due September 27, 2022 (Mandatory only for NSUF applications). Approximately \$50 million is available to fund 46 awards.

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

Fiscal Year 2023 Scientific Infrastructure Support for Consolidated Innovative Nuclear Research
Department of Energy (Energy), Idaho Field Office

Notice seeking proposals to support requested should be individual, discrete, and definable items or capabilities that will: Support, maintain, or enhance the institution's capacities to attract and teach high quality students interested in nuclear energy-related studies; Build the institution's research or education capabilities; or Enhance the institution's capabilities to perform R&D that is relevant to DOE-NE's mission.

Applications are due November 29, 2022. Approximately \$5 million is available per award.

Limited Submission: One application can be submitted under GSI.

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

ROSES 2022: Apollo Next Generation Sample Analysis Program
National Aeronautics and Space Administration (NASA), Science Mission Directorate (SMD)

Notice seeking proposals to maximize the science derived from samples returned by the Apollo Program in preparation for future lunar missions anticipated in the 2020s and beyond. To achieve this, the 2nd Apollo Next Generation Sample Analysis (ANGSA) call will focus on small, high-value samples that are nearing their pristinity limit.

Step-1 proposals are due October 17, 2022. Step-2 proposals are due January 19, 2023. Approximately \$2 million is available to fund three to eight awards.

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

ROSES 2022: Physical Sciences Informatics
National Aeronautics and Space Administration (NASA)

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

Applications are due January 10, 2023. Approximately \$625,000 is available to fund five awards.

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

ROSES 2022: Precursor Science Investigations for Europa
FON:
NNH22ZDA001N-PSIE
National Aeronautics and Space Administration (NASA)

Notice seeking proposals to further the understanding of critical topics in Europa exploration in advance of the Europa Clipper mission. This precursor work will provide critical context to enable more efficient analysis of Clipper data by the science community and will help generate discoveries and new questions that will feed into mission planning for the latter half of the prime mission and for any potential extended mission.

Required Step-1 proposals are due November 1, 2022. Step-2 proposals are due December 16, 2022. Approximately \$2.5 million is available to fund four awards.

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

Yukon River Salmon Research and Management Assistance FY 2023
Fish and Wildlife Service (FWS), Department of the Interior (Interior)

Notice seeking applications for funds through financial assistance on a competitive basis for projects, studies, and events that advance the scientific and public community's understanding of the biology and management of salmon, with focus on Yukon River Chinook and Chum salmon stocks in Alaska.

Applications are due January 6, 2023. Approximately \$260,000 is available to fund five awards.

LINKS: [Grants.gov](#)

2023-2024 Sea Scallop Research Set Aside
National Oceanic and Atmospheric Administration (NOAA), Department of Commerce (Commerce)

Notice seeking proposals enhance the understanding of the scallop resource or contribute to scallop fishery management decisions.

Proposals are due November 18, 2022.

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

BIL - Rare Earth Element Demonstration Facility
Department of Energy (Energy), National Energy Technology Laboratory (NETL)

Notice seeking applications to help build out domestic supply chains for rare earth elements (REEs) from a diversity of sources. To address the Bipartisan Infrastructure Law (BIL) requirement for a demonstration facility, this FOA seeks applications from academic institutions acting as the Prime Applicant for a Phase I Front-End Engineering Design (FEED) study and a Phase II design, construction, and operation of a first-of-a-kind (FOAK), domestic, demonstration facility that produces REEs and CMM from domestic resources that include unconventional and secondary sources, such as acid mine drainage, mine waste, or other deleterious material.

Applications are due November 21, 2022. Approximately \$40 million is available to fund eight awards. Cost sharing is required.

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

Bipartisan Infrastructure Law (BIL): Storage, Validation and Testing (Section 40305): Carbon Storage Assurance Facility Enterprise (CarbonSAFE): Phases III, III.5, and IV
Department of Energy (Energy), National Energy Technology Laboratory (NETL)

Notice seeking applications to accelerate the development of new or expanded commercial-scale geologic carbon storage projects and associated carbon dioxide transport infrastructure, through a focus on detailed site characterization, permitting, and construction stages of project development. This FOA is expected to remain open for five years to facilitate expeditious development of secure geologic carbon storage facilities.

Applications are due November 28, 2022. 20 to 70 awards are anticipated. Cost sharing is required.

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

Consent-Based Siting for Interim Storage Program -- Community Engagement Opportunities
Department of Energy (Energy)

Notice seeking proposals from communities within the continental United States interested in learning more about consent-based siting, management of spent nuclear fuel, and interim storage facility siting considerations. Awardees will foster, encourage, and support the development of innovative community ideas and feedback related to the potential role that one or more federal consolidated interim storage facilities for commercial spent nuclear fuel may have in the community.

Applications are due December 19, 2022. An estimated six to eight awards with a ceiling of \$2 million are anticipated.

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

FY 2023 NASA Established Program to Stimulate Competitive Research (EPSCoR) Rapid Response Research (R3)
National Aeronautics and Space Administration (NASA)

Notice seeking proposals to provide a streamlined method to address research issues important to NASA, and to enable NASA EPSCoR researchers to work with NASA to solve research issues impacting the Agency's programs/missions. The goal of NASA EPSCoR is to provide funding that will enable jurisdictions to develop a research enterprise directed toward long-term, self-sustaining, nationally competitive capabilities in aerospace and aerospace-related research.

Proposals are due December 15, 2022. An estimated 30 awards of up to \$100,000 each is available.

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

FY2023 National Sea Grant College Program Special Projects
National Oceanic and Atmospheric Administration (NOAA), Department of Commerce (Commerce)

Notice seeking proposals to Sea Grant institutions to increase the understanding, assessment, development, management, utilization, and conservation of the Nation's ocean, coastal, and Great Lakes resources by providing assistance to promote a strong educational base, responsive research and training activities, broad and prompt dissemination of knowledge and techniques, and multidisciplinary approaches to environmental problems.

Applications are due September 30, 2023. Cost sharing is required.

LINKS: [Grants.gov](#)

ROSES 2022: Payloads and Research Investigations on the Surface of the Moon
National Aeronautics and Space Administration (NASA)

Notice seeking proposals for an investigation that includes development and flight of science-driven suites of instruments that will be delivered to the lunar surface by the Commercial Lunar Payload Services (CLPS). This PRISM call is for science investigations that will be delivered to the lunar surface in mid-Calendar Year 2027.

Required Step-1 proposals are due October 24, 2022. Step-2 proposals are due December 20, 2022.

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

DOE-Biological and Environmental Research Advisory Committee
Department of Energy (Energy)

Notice announcing a meeting of the of the DOE Biological and Environmental Research Advisory Committee. The purpose of the meeting is to provide advice on a continuing basis to the Director, Office of Science of the Department of Energy, on the many complex scientific and technical issues that arise in the development and implementation of the Biological and Environmental Research Program.

The meeting will be held October 13-14, 2022; 11 a.m.-5:30 p.m. ET digitally via webcast using Zoom.

LINKS: [Federal Register](#)

Public Meeting and Listening Session for Developing the National Ocean Service Strategic Plan
National Oceanic and Atmospheric Administration (NOAA), Department of Commerce (Commerce)

Notice announcing a meeting to solicit early input to inform the development of the Nation Ocean Service (NOS) Strategic plan. NOS is developing a new strategic plan for 2024-2029. The strategic plan will define a future course as NOS continues to play a critical role in filling important needs for our national and coastal

communities, including tackling the climate crisis, understanding and reversing declining ecosystem functions, and meeting the ever-expanding needs for authoritative environmental information.

The virtual public meeting will be held on Tuesday, September 27, 2022, from 3 to 4:30 p.m. ET.

LINKS: [Federal Register](#)