

UNO FOCUS:

Coastal Science Assistantship Program (CSAP)
Louisiana Sea Grant

The Louisiana Coastal Protection and Restoration Authority (CPRA) continues its support of a graduate assistantship opportunity called the Coastal Science Assistantship Program (CSAP). This program provides graduate assistant stipends for up to three years to Master of Science students both enrolled full-time at Louisiana colleges/universities and involved in research relevant to Louisiana coastal protection and restoration efforts. The program will both expose students to CPRA activities and provide a potential avenue for recruitment of new CPRA personnel. Students recruited under this assistantship program will be required to complete 240 hours of internship with CPRA at mutually convenient times during their pursuit of a master's degree.

Applications from faculty must be submitted via [LSG's online eSeaGrant system](#) by 3 December 2021; a decision on award of the assistantships will be made by CPRA by the end of January 2022. Funding should be available 1 June 2022.

LINKS: LASEAGrant.org

Undergraduate Research Opportunities Program (UROP)
Louisiana Sea Grant

The Undergraduate Research Opportunities Program (UROP) was established in 1992 by the Louisiana Sea Grant College Program. It provides talented undergraduate students interested in pursuing advanced studies in coastal-related disciplines with hands-on research experience which can increase competitiveness as a graduate student; help with career-related decisions; and establish a working relationship with a faculty mentor.

Application deadline for the year 2022 funding is December 10, 2021.

LINKS: LASEAGrant.org

ARTS, HUMANITIES, and INTERNATIONAL

Southwest Border Resource Protection Program
Department of the Interior (Interior), National Park Service (NPS)

Notice seeking applications to improve resource stewardship, achieve international cooperation, provide meaningful interpretation and conduct scientific research, which will lead to increased appreciation and understanding of our shared natural and cultural heritage along our international border with Mexico.

Applications are due December 17, 2021. Approximately \$275,000 is available to support 5 to 10 awards.

LINKS: Grants.gov

Fulbright-Hays Group Projects Abroad Program
Department of Education (Education)

Notice seeking proposals for faculty, teachers, and undergraduate and graduate students to conduct group projects overseas. Projects may include either short-term seminars, curriculum development, or group research or study, or long-term advanced intensive language programs.

Applications are due January 11, 2022. An estimated ten short-term awards of up to \$180,000, and eleven long-term awards of up to \$300,000 are anticipated.

LINKS: [Federal Register](#), [Grants.gov \(Short-term Projects\)](#), [Grants.gov \(Long-term Projects\)](#)

EDUCATION and ECONOMIC & COMMUNITY DEVELOPMENT

Forest Service Cohesive Wildland Fire Management Strategy RFA 2022
United States Department of Agriculture (USDA), Forest Service (FS)

Notice seeking applications designed to support and carry out the goals of the National Cohesive Wildland Fire Management Strategy (NCS) across the Midwestern and Northeastern States as well as meet the intent of the current year budget direction. These national goals are: Restore and Maintain Landscapes; Create Fire Adapted Communities; and Improve Wildfire Response.

Applications are due January 14, 2022. Awards can range from \$25,000 to \$300,000.

LINKS: [Grants.gov](#)

FY22 BLM Bureau-Wide National Landscape Conservation System
Bureau of Land Management (BLM), Department of the Interior (Interior)

Notice seeking applications to develop and maintain strong partnerships with State, local, university, and non-profit stakeholders in shared conservation stewardship by engaging partners in conducting management-focused research on the National Conservation Lands.

Applications are due January 14, 2022. Approximately \$350,000 is available to support 10 awards.

LINKS: [Grants.gov](#)

Hispanic-Serving Institutions Education Grants Program
National Institute of Food and Agriculture (NIFA), United States Department of Agriculture (USDA)

Notice seeking applications to encourage innovative teaching or education proposals with potential to impact and become models for other institutions that serve underrepresented students, at the regional or national level.

Applications are due January 26, 2022 for Regular, January 27, 2022 for Collaboration, and January 28, 2022 for Conferences. Approximately \$12 million is available to support up to 16 awards. HSIs are the only eligible institutions.

Limited Submission: Multiple submission are not allowed.

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

Request for Information on Rigorous Research on Interventions That Promote Postsecondary Success
Department of Education (Education), Institute of Education Sciences (IES)

Notice seeking public input to help us find rigorous research on education practices designed to improve postsecondary student success. The What Works Clearinghouse, a program of the U.S. Department of Education's Institute of Education Sciences, reviews existing research on education policies, programs, products, and practices to provide educators and other key stakeholders the information they need to make evidence-based decisions.

Comments are due by December 8, 2021 to to www.regulations.gov

LINKS: [Federal Register](#)

Fulbright-Hays Group Projects Abroad Program
Department of Education (Education)

Notice seeking proposals for faculty, teachers, and undergraduate and graduate students to conduct group projects overseas. Projects may include either short-term seminars, curriculum development, or group research or study, or long-term advanced intensive language programs.

Applications are due January 11, 2022. An estimated ten short-term awards of up to \$180,000, and eleven long-term awards of up to \$300,000 are anticipated.

LINKS: [Federal Register](#), [Grants.gov \(Short-term Projects\)](#), [Grants.gov \(Long-term Projects\)](#)

FY 2021 Competitive Enhancing Mobility Innovation
U.S. Department of Transportation (DOT), Federal Transit Administration (FTA)

Notice seeking proposals that advance emerging technologies, strategies and innovations in passenger-centric mobility in two distinct areas: to accelerate innovative mobility for projects that improve mobility and enhance the rider experience with a focus on innovative service delivery models, creative financing, novel partnerships, and integrated payment solutions; and to support the development of software solutions that facilitate the provision of integrated demand-response public transportation service. Projects require 20% matching funds.

Applications are due January 11, 2022. Multiple awards of up to \$1 million are anticipated.

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

HEALTH and MENTAL HEALTH

Community-Based Workforce to Build COVID-19 Vaccine Confidence
Health Resources and Services Administration (HRSA), Department of Health and Human Services (HHS)

Notice seeking applications to address COVID-19 related health disparities and advance health equity by mobilizing community outreach workers to 1). Strengthen vaccine confidence; 2). Provide further information and education with respect to vaccines; and 3). Improve rates of vaccination throughout the United States, including its territories and possessions.

Applications are due December 10, 2021. Approximately \$66.5 million is available to fund seven awards.

LINKS: [Grants.gov](#)

Funding to Address Dire Need for Family Planning Services
Department of Health and Human Services (HHS), Office of the Assistant Secretary for Health (OASH)

Notice seeking applications for projects to address the current and expected increase in demand for Title X family planning services, including emergency contraception and other Title X family planning services for clients both within and outside states where restrictive laws and policies impact reproductive health access (e.g., Texas Law SB 8), or in states where there is a lack of or limited Title X support.

Applications are due December 14, 2021. Approximately \$9.25 million is available to support 10 awards.

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

Innovative Screening Approaches and Therapies for Screenable Disorders in Newborns (R01, R03, R21 - Clinical Trial Optional)

National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Child Health and Human Development (NICHD)

Notice seeking proposals relevant to the development of novel screening approaches and/or therapeutic interventions for potentially fatal or disabling conditions that have been identified through newborn screening, as well as for "high priority" genetic conditions where screening may be possible in the near future. Exploratory/Developmental Research Grants; Small Grants; and Research Project Grants are available.

Research Project Grant applications are due February 5, 2022. Other applications are due February 16, 2022. Multiple awards of each type are anticipated.

LINKS: [Grants.gov \(R21\)](#), [Grants.gov \(R03\)](#), [Grants.gov \(R01\)](#)

Research Grants to Prevent Firearm-Related Violence and Injuries (R01)

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 for research to understand and prevent firearm-related injuries, deaths, and crime. For the purposes of this announcement, firearm-related injuries, deaths, and crime include mass shooting incidents, other firearm homicides/assaults, firearm suicides/self-harm, unintentional firearm deaths and injuries, and firearm-related crime.

Applications are due February 4, 2022. Optional letters of intent are due December 8, 2021. Approximately \$33 million is available to fund up to 25 awards.

LINKS: [Grants.gov](#)

Translational Efforts to Advance Gene-based Therapies for Ultra-Rare Neurological and Neuromuscular Disorders (U01 - Clinical Trial Optional)

National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Neurological Disorders and Stroke (NINDS)

Notice seeking proposals for Investigational New Drug-enabling studies and planning activities for First-in-Human clinical testing of gene-based or transcript-directed therapeutics, such as oligonucleotides and viral-based gene therapies, for ultra-rare neurological or neuromuscular disorders.

The next due date for applications is December 22, 2021. Multiple awards are anticipated.

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

Ultra-Rare Gene-based Therapy (URGenT) Network Resource Access (X01, 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 to access contract research/medical organizations and subject matter experts within the NINDS Ultra-Rare Gene-based Therapy Network to support planning, manufacturing, and limited nonclinical therapeutic development efforts.

The next due date for applications is January 31, 2022. Multiple awards are anticipated.

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

Meeting of the National Advisory Council for Healthcare Research and Quality
Agency for Healthcare Research and Quality (AHRQ), Department of Health and Human Services (HHS)

Notice announcing a meeting of the National Advisory Council for Healthcare Research and Quality. The purpose is to provide guidance on (A) priorities for health care research, (B) the field of health care research including training needs and information dissemination on health care quality and (C) the role of the Agency in light of private sector activity and opportunities for public private partnerships.

The meeting will be held on Wednesday, November 17, 2021, from 10:00 a.m. to 3:00 p.m. via virtually.

LINKS: [Federal Register](#)

National Institute of Diabetes and Digestive and Kidney Diseases; Notice of Meeting
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice announcing a meeting of the National Diabetes and Digestive and Kidney Diseases Advisory Council for consideration of the NIDDK Strategic Plan.

The meeting will be held virtually on November 23, 2021 from 11:30 a.m. to 12:30 p.m. ET.

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

National Institute of General Medical Sciences; Notice of Meeting
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice announcing a meeting of the National Advisory General Medical Sciences Council to review and evaluate for the discussion of program policies and issues; opening remarks; report of the Director, NIGMS; and other business of the Council.

The open portion of the meeting will be held virtually on February 3, 2022 from 9:30 a.m. to 1:30 p.m. ET.

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

Solicitation of Nominations for Membership on the Secretary's Advisory Committee on Human Research Protections
Department of Health and Human Services (HHS)

Notice seeking nominations for the Secretary's Advisory Committee on Human Research Protections within the Department of Health and Human Services. Three vacancies need to be filled. Nominations of potential candidates for consideration are being sought from a wide array of fields, including, but not limited to: Public health and medicine, behavioral and social sciences, patient advocacy, health administration, and biomedical ethics.

Nominations must be received by January 11, 2022.

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

SCIENCE, TECHNOLOGY, ENGINEERING, and MATHEMATICS

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 February 15, 2022. Letters of intent are encouraged and due January 4, 2022. Approximately \$5 million is available.

Limited Submission: Multiple submissions are not allowed.

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

FY 2021 Assistance to Firefighters Grant Program (AFG)
Department of Homeland Security (Homeland Security), Federal Emergency Management Agency (FEMA)

Notice seeking proposals on enhancing the safety of the public and firefighters with respect to fire and fire-related hazards. The AFG Program provides financial assistance directly to eligible fire departments, nonaffiliated emergency medical service (EMS) organizations, and State Fire Training Academies (SFTAs) for critical training and equipment.

Applications are due December 17, 2021. Approximately \$414 million is available to support 2500 awards.

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

Harnessing Emissions into Structures Taking Inputs from the Atmosphere (HESTIA)
Department of Energy (Energy), Advanced Research Projects Agency - Energy (ARPA-E)

Notice seeking concept papers to support the development of technologies that nullify embodied greenhouse gas (GHG) emissions, while simultaneously transforming buildings into net carbon storage structures.

Concept papers are due December 20, 2021. Questions are due December 10, 2021. Approximately \$41 million is available to support 10 to 15 awards. Cost share is required.

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

Next-Generation Airborne Directional Networking
Department of Defense (Defense), Air Force Research Laboratory (AFRL)

Notice seeking proposals for innovative research, development, integration, test, evaluation and delivery of technologies/techniques for next-generation, highly-directional, networked aerial layer communications.

White papers are due July 3, 2022. Proposals are due by invitation only. Program expires September 29, 2023. Grant awards will range from \$100,000 to \$900,000.

LINKS: [Contract Opportunities](#)

NWS Office of Science and Technology Integration: Unified Forecast System
National Oceanic and Atmospheric Administration (NOAA), Department of Commerce (Commerce), National Weather Service (NWS)

Notice seeking proposals designed to provide more accurate forecast guidance through operational numerical weather prediction applications. These applications span local and global domains, and predictive time scales from sub-hourly to seasonal (S2S).

Applications are due February 7, 2022. Letters of intent are strongly encouraged by December 6, 2021. Approximately \$3 million per year is available to support 10 to 15 awards.

LINKS: [Grants.gov](#)

Partnerships in Astronomy & Astrophysics Research and Education
National Science Foundation (NSF)

Notice seeking proposals for the development of formal, long-term partnerships that provide authentic pathways into the research enterprise and broaden the participation of individuals from groups underrepresented in astronomy.

Applications are due February 7, 2022. Approximately \$3 million is available to fund five to ten awards.

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

Digital Transformation Technologies and Processes
Department of Defense (Defense), Air Force Research Laboratory (AFRL)

Notice seeking proposals to accelerate the adoption of digital engineering methods and tools across the enterprise, including research, development, test and evaluation, production, operations, maintenance, and the supply chain.

Proposals are due January 7, 2022. Requested Intent to Propose are due December 17, 2021 at richard.porter.12@us.af.mil. Approximately \$49.08 million is available. Consortiums are eligible. Cost sharing is required.

LINKS: [Contract Opportunities](#)

Quantum-Enabled Bioimaging and Sensing Approaches for Bioenergy
Department of Energy (Energy)

Notice seeking proposals to advance our understanding of bioimaging by using new quantum science-enabled areas that could resolve limitations of classical optics including resolution and detection limits, signal-to-noise ratio, limitations on temporal dynamics, long term signal stability, sample photodamage and limited penetration, or selective biomolecule sensing.

Required pre-applications are due January 14, 2022. An estimated 10 to 14 awards of up to \$750,000 per year are anticipated.

LINKS: [Grants.gov](#)

Applied Sciences Advisory Committee; Meeting.
National Aeronautics and Space Administration (NASA)

Notice announcing a meeting of the NASA Applied Sciences Advisory Committee to discuss the following agenda: Earth Science and Applied Sciences Program Updates; Applied Sciences Strategic Plan; and Private Sector Engagement Planning.

The meetings will be held virtually on December 7, 8, and 9, 2021.

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