

## UNO FOCUS:

Coastal Science Assistantship Program (CSAP)  
Louisiana Coastal Protection and Restoration Authority (CPRA)

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.

Application deadline for the year 2022 assistantships is December 3, 2021.

LINKS: [LSeaGrant.org](https://LSeaGrant.org)

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Undergraduate Research Opportunities Program (UROP)  
Louisiana Sea Grant College Program

The Undergraduate Research Opportunities Program (UROP) is soliciting applications from interested faculty mentors of undergraduate students and at all Louisiana universities and colleges. UROP, established in 1992 by the Louisiana Sea Grant College Program, offers the Louisiana undergraduate community funding to support hands-on research experiences in marine and coastal resource issues. Previously funded projects have dealt with topics such as coastal ecology, fisheries, aquaculture, environmental engineering, and genetics.

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

LINKS: [LSeaGrant.org](https://LSeaGrant.org)

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NASA Science Mission Design Schools  
Jet Propulsion Laboratory, California Institute of Technology

NASA Science Mission Design Schools are 3-month-long career development experiences for doctoral students, recent Ph.D.s, postdocs and junior faculty who have a strong interest in science-driven robotic space exploration missions. Participants learn the process of developing a hypothesis-driven robotic space mission in a concurrent engineering environment while getting an in-depth, first-hand look at mission design, life cycle, costs, schedule and the trade-offs inherent in each.

Please view the detailed [eligibility requirements](#). There are various application deadlines for the various schools.

LINKS: [NASA.gov](https://NASA.gov)

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FY2022 RII Track-2 FEC  
National Science Foundation (NSF) Established Program to Stimulate Competitive Research (EPSCoR)

RII Track-2 FEC builds interjurisdictional collaborative teams of EPSCoR investigators in STEM focus areas consistent with NSF priorities. Projects are investigator-driven and must include researchers from at least two EPSCoR eligible jurisdictions with complementary expertise and resources necessary to address challenges, which neither party could address as well or rapidly independently. Proposals must describe a comprehensive and integrated vision to drive discovery and build sustainable STEM capacity that exemplifies diversity of all types (individual, institutional, geographic, and disciplinary). The development of early-career faculty that are underrepresented in the chosen STEM field and the integration and inclusion of Minority Serving Institutions (MSIs) and Primarily Undergraduate Institutions (PUIs) and community colleges is a critical component of this sustainable STEM capacity. For FY 2022, RII Track-2 FEC

proposals are invited on a single topic: "Advancing research towards industries of tomorrow to ensure economic growth for EPSCoR jurisdictions."

Letters of intent are due December 20, 2021. Full proposals are due January 31, 2022. A single proposal is submitted for a project.

LINKS: [NSF.gov](https://www.nsf.gov)

## ARTS, HUMANITIES, and INTERNATIONAL

Annual Program Statement for Development Innovation Ventures  
United States Agency for International Development (USAID)

Notice seeking proposals for innovations that address international development challenges and improve the lives of people living in poverty in developing countries around the world. DIV provides tiered funding to pilot, test, and transition to scale (i.e., grow to reach the highest number of beneficiaries possible) those innovations that demonstrate evidence of impact, cost-effectiveness, and the potential to scale.

Applications are accepted on a rolling basis until October 31, 2022.

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

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Call for Proposals of the Ambassadors Fund for Cultural Preservation (AFCP)  
Department of State (State), U.S. Mission to Albania

Notice seeking proposals for ways that we partner with Albania to preserve its unique cultural heritage. The AFCP Grants Program supports the preservation of archaeological sites, historic buildings and monuments, museum collections, and forms of traditional cultural expression, such as indigenous languages and crafts.

Proposals are due November 22, 2021 for Round 1 and March 1, 2022 for Round 2 to [CultureandEducationTirana@state.gov](mailto:CultureandEducationTirana@state.gov). Up to \$500,000 is available.

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

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Chemical Security Program  
Department of State (State)

Notice seeking proposals to work with law enforcement, government, academic, industrial, and technical scientific communities in the Middle East, South and Southeast Asia, Eastern Europe, and Africa to strengthen their ability to prevent, detect, mitigate, and respond to chemical attacks, the malign proliferation of weaponizable chemicals, and advances in vertical chemical weapons proliferation by states in violation of the Chemical Weapons Convention, as well as chemical attacks by non-state actors.

Applications are due January 31, 2022. An estimated 30 awards of up to \$250,000 are anticipated.

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

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Counter Russian Malign Influence  
Department of State (State)

Notice seeking proposals to help raise foreign partner capacity to identify and respond to the Russian Government's active measures attacks that seek to undermine longstanding nonproliferation norms.

Applications are due January 31, 2022. Multiple awards of up to \$500,000 are anticipated.

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

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Countering Iran's Ballistic Missile Capability  
Department of State (State)

Notice seeking proposals specifically aimed at countering the development of, and the advancements in, Iran's ballistic missile program and at improving international adherence to the relevant UNSCRs and other multilateral and bilateral sanctions.

Applications are due January 31, 2022. Multiple awards of up to \$500,000 are anticipated.

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

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Countering North Korean WMD Proliferation  
Department of State (State)

Notice seeking proposals for projects that will advance the mission of the State Department's UN Sanctions Compliance program by constraining the DPRK's WMD proliferation, to detect and halt DPRK-linked sanctions evasion activities, and to impede the DPRK's material and financial activities that fund the development of WMD and related delivery systems.

Applications are due January 31, 2021. An estimated 30 awards of up to \$250,000 are anticipated.

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

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Countering Russian Chemical and Biological Threats  
Department of State (State)

Notice seeking proposals to secure dual-use material, equipment, technology, knowledge, and expertise at partner government, commercial, or scientific institutions to prevent illicit acquisition and exploitation for Russian chemical and biological proliferation activities.

Applications are due January 31, 2021. Multiple awards of up to \$500,000 are anticipated.

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

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Countering the People's Republic of China Military Civil Fusion (MCF) Strategy and Balancing Risks and Rewards of Emerging Technologies with WMD Applications  
Department of State (State)

Notice seeking proposals to aid in nonproliferation efforts opposite the People's Republic of China via a number of possible lines of effort.

Applications are due January 31, 2022. Multiple awards of up to \$300,000 are anticipated.

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

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Countering the Proliferation of Advanced Conventional Weapons  
Department of State (State)

Notice seeking proposals to leverage open-source data and build partner capacity to identify, prevent, and disrupt proliferator state sales of advanced conventional weapons (ACWs) to states of proliferation

concern, prevent sales of ACW that advance malign activities, and to prevent the Russian Government and PRC from using ACW to gain undue influence over partner countries.

Applications are due January 31, 2022. Multiple awards of up to \$500,000 are anticipated.

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

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Countering WMD Threats in Iraq  
Department of State (State)

Notice seeking proposals to help secure chemical, biological, radiological and explosive materials, dual-use equipment, technologies, expertise, and infrastructure to prevent their misuse by terrorists and other nefarious actors in Iraq in WMD attacks against the United States, U.S. allies, and U.S. interests abroad.

Applications are due January 31, 2022. Multiple awards of up to \$300,000 are anticipated.

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

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Global Biosecurity Engagement Activities  
Department of State (State)

Notice seeking proposals to mitigate global biological threats by minimizing the access of proliferator states and non-state actors to biological expertise, materials (e.g., high consequence pathogens, pathogens and toxins included on control lists such as the U.S. Select Agent List, synthetic biological materials), and dual-use equipment that could be misused to conduct biological weapons attacks against the United States, U.S. allies, or U.S. interests abroad.

Applications are due January 31, 2022. Multiple awards of up to \$300,000 are anticipated.

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

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Partnership for Nuclear Threat Reduction  
Department of State (State)

Notice seeking proposals to help provide technical capacity-building support to potential nuclear energy newcomer countries that are considering small modular reactors (SMRs) and other advanced reactor designs to meet their clean energy needs, consistent with the highest international standards of nuclear security, nonproliferation, and safety.

Applications are due January 31, 2022. An estimated 25 awards of up to \$250,000 are anticipated.

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

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## **EDUCATION and ECONOMIC & COMMUNITY DEVELOPMENT**

Rural eConnectivity Program  
United States Department of Agriculture (USDA), Rural Utilities Service (RUS)

Notice seeking applications to provide loans, grants, and loan/grant combinations to facilitate broadband deployment in rural areas. In facilitating the expansion of broadband services and infrastructure, the program will fuel long-term rural economic development and opportunities in rural America.

Applications are due February 22, 2022. Cost share of 25 percent is required for grants. Amounts may vary.

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

## HEALTH and MENTAL HEALTH

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 proposals to join a multicenter network will conduct pragmatic clinical trials to evaluate the effectiveness of clinically proven interventions in intended-use settings with a goal to optimize the cervical cancer screening, management, and precancer treatment cascade for women living with HIV.

Applications are due December 28, 2021. An estimated eight awards of up to \$200,000 per year are anticipated.

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

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Elucidating the Role of Nutrition in Care and Development of Preterm Infants (R01 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 applications that address priority gaps in understanding the role of nutrition in the care and development of preterm infants.

Applications are due March 30, 2022. Optional letters of intent are due February 28, 2022. Approximately \$1 million is available to support up to four awards.

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

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Emerging Strategies to Improve Health Outcomes for People Aging with HIV: Demonstration Sites  
Health Resources and Services Administration (HRSA), Department of Health and Human Services (HHS)

Notice seeking proposals for demonstration sites to conduct the following activities: Implement emerging strategies that comprehensively screen and manage comorbidities, geriatric conditions, behavioral health, and psychosocial needs of people 50 years and older with HIV; Assess the uptake and integration of emerging strategies; Understand implementation processes including assessing specific implementation strategies; Understand and document broader contextual factors affecting implementation; Evaluate the impact of the emerging strategies; and Document and disseminate the emerging strategies.

Applications are due January 25, 2022. An estimated ten awards of up to \$300,000 per year are anticipated.

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

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Regional Hemophilia Network  
Health Resources and Services Administration (HRSA), Department of Health and Human Services (HHS)

Notice seeking proposals to establish regional networks of hemophilia treatment centers to improve the health and well-being for children, youth, and adults with hemophilia and related bleeding disorders and clotting disorders. See NOFO for the regions receiving centers. One center will be established per region.

Applications are due January 24, 2022. Approximately \$4 million is available to fund eight awards.

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

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#### Title X Family Planning Services Grants

Department of Health and Human Services (HHS), Office of the Assistant Secretary for Health (OASH)

Notice seeking applications dedicated to providing comprehensive family planning and related preventive health services. The Title X Program is implemented through competitively awarded grants to a diverse network of public and private nonprofit clinics.

Applications are due January 11, 2022. Approximately \$256 million is available to support 90 awards. Cost sharing is required.

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

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#### Understanding the Role of Bilingualism in Cognitive Reserve Resilience in Aging and AD ADRD (R01 Clinical Trial Optional)

National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute on Aging (NIA)

Notice seeking proposals studying the role of bilingualism as it relates to cognitive reserve/resilience in healthy aging and in Alzheimer's disease and Alzheimer's disease-related dementias.

Applications are due March 3, 2022. Approximately \$6 million is available to fund six to ten awards.

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

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#### Cell-Specific Impact of Liquid-Liquid Phase Separation in Aging and AD ADRD (R21 Clinical Trial Not Allowed)

National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute on Aging (NIA)

Notice seeking proposals to identify cell-specific mechanisms in biomolecular condensate (BMC) formation and function, providing novel information for the role BMCs play in diverse cell types in the context of aging and neurobiology of Alzheimer's disease or AD-related dementias.

Applications are due March 3, 2022. An estimated eight to ten awards of up to \$275,000 for two years are anticipated.

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

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#### Cellular Senescence Network: Technology Development and Application in Murine Systems OR Human Systems (UG3 UH3 Clinical Trial Not Allowed)

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

Notice seeking proposals for novel analytics and technologies to identify and map senescent cells in murine OR human tissues at high resolution.

Applications are due January 18, 2022 for human projects and January 19, 2022 for murine projects. An estimated six human and three murine awards are anticipated.

LINKS: [Grants.gov \(Murine\)](https://www.grants.gov), [Grants.gov \(Human\)](https://www.grants.gov)

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#### Maternal and Child Health Secondary Data Analysis Research (MCH SDAR)

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

Notice seeking proposals for Maternal and Child Health research that utilizes the secondary analysis of existing national data sets and/or administrative records to improve the health and well-being of MCH populations.

Applications are due January 26, 2022. An estimated six awards of up to \$100,000 are anticipated.

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

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Rural Health Network Development Planning Program

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

Notice seeking proposals for planning grants to promote the development of integrated health care networks in order to: achieve efficiencies; expand access to, coordinate, and improve the quality of basic health care services and associated health outcomes; and strengthen the rural health care system as a whole.

Applications are due January 28, 2021. An estimated 20 awards of up to \$100,000 per year are anticipated.

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

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The US Army Contracting Command, Aberdeen Proving GroundEdgewood Contracting Division, Fort Detrick, invites applications for funding opportunities for the fiscal year 2022 Deployed War Fighter Protection (DWFP) Research Program  
Army (Army), Department of Defense (Defense)

Notice seeking pre-proposals for original, innovative research designed to develop new interventions for protection of deployed military personnel from medically relevant pests, including arthropod vectors of disease pathogens.

Required pre-applications are due November 26, 2021. An estimated one to ten awards of up to \$300,000 per year are anticipated.

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

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## SCIENCE, TECHNOLOGY, ENGINEERING, and MATHEMATICS

2022 Dual Use Technology Development at Marshall Space Flight Center Cooperative Agreement Notice (CAN)

National Aeronautics and Space Administration (NASA), Office of Strategic Analysis and Communications (OSAC)

Notice seeking proposals to develop technologies that meet a defined NASA need, as well as have the potential to become a commercial product. MSFC has several technology development focus areas for this notice, including Innovative/Advanced Propulsion Systems; Advanced Manufacturing; Structures and Materials; Technologies Supporting On-orbit and Surface Habitation Systems, including Environmental Control and Life Support Systems (ECLSS); Technologies Supporting Spacecraft Systems; and Technologies Enabling Science Research.

White papers are due January 19, 2022 and July 13, 2022 to [msfc-dualusetechdevca@mail.nasa.gov](mailto:msfc-dualusetechdevca@mail.nasa.gov). Proposals are accepted by invitation only. The maximum award amount is \$250,000. Cost sharing is required.

LINKS: [Contract Opportunities](#), [Solicitation](#)

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Army Assured Positioning, Navigation, and Timing (APNT) Consortium  
Department of Defense (Defense), Army Research Laboratory (ARL)

Notice seeking proposals for the purpose of performing multi-disciplinary research enabling dual-use APNT components, technologies, manufacturing techniques, and system architectures that support commercial industry and the Army.

Proposals are due December 15, 2021. Approximately \$25 million is available. A minimum of 1:1 cost share is required. U.S. consortia are eligible.

LINKS: [Grants.gov](#)

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Direct Air Capture Combined with Dedicated Long-Term Carbon Storage, Coupled to Existing Low-Carbon Energy  
Department of Energy (Energy)

Notice seeking proposals for front-end engineering design (FEED) studies of advanced Direct Air Capture systems capable of removing a minimum of 5,000 tonne/yr.

Applications are due December 22, 2021. An estimated five awards of up to \$4.375 million are anticipated.

LINKS: [Grants.gov](#)

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FY22 Propulsion and Power Technology Development Program BAA  
Department of Defense (Defense), Naval Air Systems Command (NAVAIR)

Notice seeking white papers to conduct applied and advanced research and development programs designed to meet projected propulsion and power technology needs for future Naval air vehicles.

White papers are due September 30, 2022 to [melanie.k.vella.civ@us.navy.mil](mailto:melanie.k.vella.civ@us.navy.mil).

LINKS: [Contract Opportunities](#)

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Information Innovation Office (I2O) Office-Wide  
Defense Advanced Research Projects Agency (DARPA), Department of Defense (Defense)

Notice seeking proposals for revolutionary research ideas for topics not being addressed by ongoing I2O programs or other published solicitations. A list of current I2O programs can be found [here](#).

Applications are due October 28, 2022. Multiple awards are anticipated.

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

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Pacific Islands Ocean Acidification Masters Student Fellowship  
National Oceanic and Atmospheric Administration (NOAA), Department of Commerce (Commerce)

Notice seeking proposals supporting a competitive graduate fellowship that will support students conducting research, in pursuit of a Master's degree, related to ocean acidification (OA) in the Pacific Islands region to help fill a critical gap in capacity for OA research and monitoring in the region.

Required letters of intent are due December 13, 2021. Applications are due March 10, 2022. Approximately \$200,000 is available to support three to five fellowships.

LINKS: [Grants.gov](#)



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Stratagem: Applying State-of-the-Art Artificial Intelligence and Machine Learning Approaches to Air Battle Management  
Department of Defense (Defense), Air Force Research Laboratory (AFRL)

Notice seeking white papers to explore the use of new and existing algorithms and learning methods applicable to developing strategies. The Machine Intelligence for Strategy Development focus area (Focus area 1) seeks the development of a model architecture for an intelligent agent, determining which pieces that absolutely must be included in the design of an agent capable of reasoning in increasingly complex environments.

White papers are due March 31, 2022 to the contact below. Proposals will be accepted by invitation only. Approximately \$2.5 million is available. Multiple awards are anticipated.

LINKS: [Contract Opportunities](#)

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National Construction Safety Team Advisory Committee Meeting  
National Institute of Standards and Technology (NIST), Department of Commerce (Commerce)

Notice announcing a meeting of the National Construction Safety Team Advisory Committee. The primary purposes of this meeting are to: Update the Committee on the progress of the NCST investigation focused on the impacts of Hurricane Maria in Puerto Rico and the NCST investigation focused on the Champlain Towers South partial building collapse that occurred in Surfside, Florida; finalize the Committee's annual report to Congress; and provide an overview of event scoring and readiness of teams.

The meeting will be held on Monday, November 8, 2021, from 11:00 a.m. to 5:00 p.m. ET via web conference.

LINKS: [Federal Register](#)

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Research Coordination Networks in Undergraduate Biology Education  
National Science Foundation (NSF)

Notice seeking proposals to link biological research discoveries with innovations in biology education to improve the learning environment in undergraduate biology classrooms by supporting groups of investigators to communicate and coordinate their research, training, and education.

Applications are due January 25, 2022. Approximately \$8 million is available to fund eight to ten awards.

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