

UNO FOCUS:

Undergraduate Research Opportunities Program (UROP)
LA Sea Grant

The Undergraduate Research Opportunities Program (UROP) is soliciting applications from faculty mentors of promising undergraduate students at all Louisiana universities and colleges. UROP 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. Approximately seven projects will be funded depending on funds available for the 2025 project period (March 2025 to December 2025); each faculty member will receive up to \$3,500 to cover student wages, supplies and necessary travel. As part of the 2025 UROP experience, undergraduate student researchers and their mentors will take part in the national Sea Grant Community Engaged Internship (CEI) program.

Applications will be accepted until Dec. 3, 2024, at 11:59pm CST. Apply via our online [eSeaGrant](#) system.

LINKS: [LA Sea Grant](#)

Established Program to Stimulate Competitive Research (EPSCoR) – EPSCoR Live!
National Science Foundation

On Thursday, October 3 from 4:00-5:00 pm EDT, Dr. Lisa Cliggett (NSF EPSCoR), Dr. Eric Lindquist (Boise State University), and Dr. Jose Colom-Ustariz (NSF EPSCoR) will discuss the ways social scientists can leverage EPSCoR Research Infrastructure and Improvement (RII) grant opportunities, as well as workshop and planning proposals, in support of their research activities. EPSCoR RII grant opportunities that support social science research extend from individual investigator grants through the EPSCoR Research Fellows opportunity, to EPSCoR RII competitions emphasizing interdisciplinary research which benefit from the inclusion of social scientists at the planning stage and throughout the research endeavor. In this EPSCoR Live! session, participants will gain insight into the breadth of social science research opportunities in EPSCoR RII programs.

Advance registration is required. [Click here to register](#). Please use an institutional email address for registration.

LINKS: [NSF.gov](#)

EDUCATION and ECONOMIC & COMMUNITY DEVELOPMENT

Consumer Recycling Education and Outreach (REO) Grant Program
Environmental Protection Agency

Notice seeking proposals to fund projects that will meet the following objectives and reduce GHGs: Decrease wasted food from households (project #1); Expand markets for and sales of compost (project #2); and Inform the public about new or existing residential food waste composting programs; provide information about the materials that are accepted as part of a residential food waste composting program; and increase collection rates and decrease physical contamination in residential food waste composting programs (project #3).

Proposals are due December 20, 2024. An estimated \$39 million is available.

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

Established Program to Stimulate Competitive Research (EPSCoR) Implementation Grants
Energy

Notice seeking proposals to improve research capability through the support of a group of scientists and engineers, including undergraduate students, graduate students and post-doctoral fellows, working on a common scientific theme in one or more EPSCoR jurisdictions.

Required pre-proposals are due October 30, 2024. Full applications are due January 29, 2025. An informational webinar will be held September 26, 2024, at 4:00 p.m. (ET) - click [here](#) to register. Approximately \$35 million is available to fund multiple awards.

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

DHS Data Privacy and Integrity Advisory Committee
Homeland Security

Notice seeking participation in a public meeting of the Data Privacy and Integrity Advisory Committee. The agenda will include update on DHS Privacy Office activities and priorities. The Chairs of the Policy and Technology subcommittees will provide a progress update. In addition, the Committee will hold an open listening session for members of the public to provide insight and feedback on the office's authorities, resources, efficacy, and mission to meet the department's missions over the next twenty years.

The meeting will be held October 17, 2024 from 1:30 p.m. to 4:30 p.m. EDT. Registrations are not required to attend the virtual meeting, but is required to participate in public comments.

LINKS: [Federal Register](#)

Millennium Challenge Corporation Economic Advisory Council
Millennium Challenge Corporation

Notice seeking participation in an open meeting. The meeting will provide e an overview of MCC's work to fulfill its poverty reduction through economic growth mission and the role of the MCC Economic Advisory Council. The MCC Economic Advisory Council will also discuss issues related to MCC's work on concurrent regional compacts.

The meeting will be held September 27, 2024 from 10:00 a.m.-12:30 p.m. EDT. To attend the meeting, registration must be received by September 20, 2024.

LINKS: [Federal Register](#)

Solid Waste Infrastructure for Recycling Grants for Political Subdivisions of States and Territories
Environmental Protection Agency

Notice seeking proposals for a wide variety of projects that are designed to build and transform solid waste infrastructure in the U.S. to equitably reduce waste and manage materials to achieve a circular economy, reduce greenhouse gas emissions, and create cleaner, resilient, and healthier communities. It is anticipated that projects will enable the EPA to help eligible partners significantly transform their post-consumer materials management infrastructure.

Proposals are due December 20, 2024. An estimated \$59 million is available to fund 20 to 30 awards.

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

Yukon River Salmon Research and Management Assistance
Interior

Notice seeking proposals 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.

Proposals are due January 6, 2025. Approximately \$260,000 is available to fund five awards.

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

HEALTH and MENTAL HEALTH

Research Centers in Minority Institutions (RCMI)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals from institutions that offer doctorate degrees in the health professions or in a health-related science and have a documented historical and current mission or historical commitment to educating underrepresented students, and for institutions that provide clinical services to medically underserved communities. The primary goals of RCMI specialized center awards are to: (1) enhance institutional research capacity to conduct world-class basic biomedical, behavioral, population and/or clinical research; (2) enable all levels of investigators at the recipient institution to become more successful in obtaining competitive extramural support, especially from NIH, for research on diseases and conditions that disproportionately impact populations that experience health disparities; (3) foster institutional environments conducive to research career development and enhancement for post-doctoral fellows, junior faculty, and other early-stage investigators; (4) enhance the tools for and conduct of research generally and specifically for improving minority health and reducing health disparities; and (5) establish sustainable partnerships with community-based organizations to promote research efforts and the dissemination of research findings.

Proposals are due November 19, 2024. An estimated \$29 million is available to fund up to six awards.

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

Cellular Models of HIV Pathogenesis within NIDDK Mission Areas (R01 Clinical Trial Not Allowed)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals that are focused on developing, using, and/or improving cellular models that recapitulate critical aspects of normal human physiology, such as microphysiological systems, organoids, and other three-dimensional models, to explore the interaction of HIV with tissues and processes within NIDDK's mission areas.

Proposals are due March 20, 2025. An estimated \$3 million is available to fund up to four awards.

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

DOD Glioblastoma, Hypothesis Development Award
Defense

Notice seeking proposals to support the exploration of highly innovative, untested, exploratory, high-risk/potentially high-gain concepts, theories, paradigms, and/or methods that address an important problem relevant to one or more of the FY24 GBMRP Hypothesis Development Award Focus Areas.

Required pre-proposals are due November 6, 2024. An estimated \$4.64 million is available to fund 13 awards.

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

DOD Glioblastoma, Resource Development Award
Defense

Notice seeking proposals to support product-driven effort focused on the advancement of preclinical model systems (in vitro and in vivo) that need further development, characterization, validation, or standardization. Studies may include, but are not limited to, the development or characterization of animal models, preclinical autologous human immune models, organoids, or patient-derived xenografts (PDXs).

Preproposals are due November 6, 2024. An estimated \$4 million is available to fund up to five awards.

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

HEAL Initiative: Studies to Enable Analgesic Discovery (R61-R33 - Clinical Trial Not Allowed)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals for initial translational efforts that will enable a drug discovery program for novel, non-opioid, and non-addictive treatments for pain. The program provides funding to develop and validate assays to support a distinct testing funnel and conduct screening efforts to identify and characterize potential therapeutic agents including small molecules, biologics, and natural products. Preliminary in vivo pharmacokinetic, pharmacodynamic, and efficacy studies may also be supported.

Proposals are due January 28, 2025, May 16, 2025, and September 17, 2025. Program expires January 16, 2027. An estimated \$2.5 million is available to fund four to five awards in FY 2025.

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

Imaging - Science Track Award for Research Transition (I-START) (R03 Clinical Trial Optional)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals to facilitate the entry of investigators to the area of neuroimaging, including both newly independent investigators and established investigators seeking to adopt neuroimaging methodologies in their research programs, to enable the conduct of small "proof of concept" studies. The R03 is intended to support research projects that can be carried out in a short period of time with limited resources.

Proposals are due annually on February 16, June 16, and October 16 through January 8, 2028. Multiple awards are expected.

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

SCIENCE, TECHNOLOGY, ENGINEERING, and MATHEMATICS

2024 Minority Serving Institutions Partnership Program (MSIPP) Notice of Funding Opportunity (NOFO)
Energy

Notice seeking applications for research practicum collaborations between EM, DOE National Laboratories, and minority serving institutions, with support available for curriculum design, professional development, and the purchase of specialized equipment and instrumentation for field and laboratory-based studies. The goal is to build capacity at minority serving institutions (MSIs) through collaborative research that will develop and broaden participation in the environmental cleanup field and workforce, and build career pathways for underrepresented groups. Eligible research topic areas include Deactivation & Decommissioning (taking a facility to its final disposition end state); Digital Technologies; and Robotics.

Required expressions of interest are due October 4, 2024. Required concept papers are due October 15, 2024. An informational webinar will be held September 19, 2024 at 11:00 a.m. (ET) - see the solicitation for details. Approximately \$15.5 million is available to fund 5 to 10 awards ranging from \$1 million to \$3 million

each are available. Eligibility is limited to MSIs with a student population less than or equal to 5,000. Non-MSI subawards are unallowable and subawards to MSI's with more than a 5,000-student population cannot exceed 20% of the total grant or cooperative agreement award value.

LINKS: [Grants.gov](https://www.grants.gov); [Agency Site](#)

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

Notice seeking proposals to support basic scientific research on the causes, consequences and complexities of human social and cultural variability. Contemporary cultural anthropology is an arena in which diverse research traditions and methodologies are valid in investigations of human cultural variation. Recognizing the breadth of the field's contributions to science, the Cultural Anthropology Program welcomes proposals for empirically grounded, fieldwork/lab-based theoretically engaged and methodologically sophisticated research in all sub-fields of cultural anthropology. Because the National Science Foundation's mission is to support basic research, the NSF Cultural Anthropology Program does not fund research that takes as its primary goal improved clinical practice, humanistic understanding or applied policy.

Proposals are due January 15, 2025. An estimated \$800,000 is available to fund 40 to 50 awards.

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

Molecular Foundations for Biotechnology
National Science Foundation

Notice seeking proposals for fundamentally new approaches in molecular sciences to drive new directions in biotechnology. This is the fourth year of a campaign targeting broad themes to be pursued through collaborative, creative, cross-disciplinary research projects and technology development proposals to accelerate understanding of RNA function in complex biological systems and to harness RNA research to advance biotechnology. The funding opportunity will be coordinated by the National Science Foundation together with the National Institutes of Health, National Human Genome Research Institute (NHGRI).

Proposals are due December 16, 2024. An estimated \$6.5 million is available to fund up to five awards.

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

Multilateral Partnerships Leveraging Excellence
National Science Foundation

Notice seeking proposals for visionary, and ambitious international multilateral research partnerships that are required to hasten progress in addressing grand challenges by leveraging research excellence in the U.S. and around the globe. The program also seeks to advance understanding of effective multilateral collaboration. Especially encouraged are proposals that 1) Address urgent research and/or societal challenge of global importance (including but not limited to critical and emerging technology research) and require an inherently international multilateral approach to achieve impactful research results, partnering with at least two countries other than the U.S. Proposals that engage partners across distinct geographic regions are an area of interest. 2) Make clear how the proposed international collaboration will enable research advances and broader impacts that go beyond what can be accomplished by a narrower team. 3) Include a diverse group of U.S. institutions and/or individuals, leveraging the full range of talent that society has to offer. Project funds support the U.S. research team. Research partners should seek funding from their own national funding agencies or from other sources.

Proposals are accepted anytime and award amounts will vary.

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

Pathways to Enable Open-Source Ecosystems
National Science Foundation

Notice seeking proposals for projects to harness the power of open-source development for the creation of new technology solutions to problems of national and societal importance. The program is specifically focused on the translational pathway – supporting the transition from open-source research artifacts to open-source ecosystems (OSE). POSE aims to support new managing organizations to catalyze distributed, community-driven development and growth of new OSEs. This solicitation seeks two types of proposals, allowing teams to propose specific activities to scope and plan the establishment of an OSE (Phase I), and to establish a sustainable OSE based on a robust open-source product that shows promise in the ability to both meet an emergent societal or national need and build a community to help develop it (Phase II).

Proposals are due January 14, 2025. An estimated \$27.8 million is available to fund up to 50 awards.

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

Program Announcement for Artificial Intelligence Exploration (AIE)
Defense

Notice seeking proposals to invest in research that leads to prototype development that may result in new, game-changing AI technologies for U.S. national security.

Proposals are due October 29, 2024. Multiple awards are anticipated.

LINKS: [Contract Opportunities](#)

Undocumented Orphaned Well Characterization and Remediation
Energy

Notice seeking proposals for projects to develop advanced tools and technologies that will significantly reduce methane emissions and other environmental impacts associated with undocumented orphaned wells. This announcement will support the undocumented orphaned wells subprogram by soliciting research on new processes and development of new materials, tools, and technologies for wellbore characterization, effective plugging and abandonment operations, and pre and post plugging and abandonment emissions monitoring.

Proposals are due November 13, 2024. An estimated \$15 million is available to fund up to seven awards. Cost share must be at least 20 percent.

LINKS: [Grants.gov](#)

Office of Critical and Emerging Technologies (CET)
Energy

Notice seeking public input on artificial intelligence (AI) from a range of stakeholders, including Academic institutions interested in partnering with DOE to leverage AI for scientific research. In addition to ongoing DOE work, input is specifically sought to inform DOE's proposed Frontiers in AI for Science, Security, and Technology (FASST) initiative, which seeks to build the world's most powerful, integrated scientific AI models for scientific discovery, applied energy deployment, and national security applications.

Email comments to the contact by November 11, 2024, with the subject line, "FASST RFI".

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

SPECIAL NOTICE - Silent Swarm 2025
Defense

Notice seeking submissions for participation consideration in the Silent Swarm 2025 Experimentation Event. Silent Swarm is a series of events focused on experimentation with early development electromagnetic spectrum operations capabilities that can be employed on attritable, multi-domain unmanned systems. The Silent Swarm series provides a challenging and flexible experimentation environment to enable rapid development of emerging technology. Selected participants will be able to further develop their technologies while operating in an operationally relevant sandbox environment alongside subject matter experts from joint operational and technical communities.

Submissions are due October 15, 2024. See the solicitation for submission instructions.

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

FY2025 Weather Program Office Research Program Announcement - Social, Behavioral, and Economic Sciences (SBES)
Commerce

Notice seeking proposals to involve SBES researchers and social science-led, interdisciplinary teams to integrate SBES into meteorological research, forecasting, information displays, communication of uncertainty, and understanding of individual and community vulnerabilities to weather. These disciplines include (but are not limited to) anthropology, communication, economics, geography, political science, psychology, and sociology. Specifically, this funding call supports interdisciplinary work, applied research, and more broadly, social science research that will advance theoretical findings into applications for the operational forecast community.

Proposals are due December 2, 2024. Optional letters of intent are due October 2, 2024. An estimated \$1.5 million is available for up to seven awards.

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

FY2025 Weather Program Office Research Programs Announcement - Air Quality Research and Forecasting (AQRF)
Commerce

Notice seeking proposals to support new weather, water, and earth system observing and forecasting applications, including improved analysis techniques, better statistical or dynamic forecast models and techniques, development of calibrated, probabilistic forecasts, and communication of that information to better inform the public. Air quality forecasting involves the use of science and technology to predict the concentration of air pollution in the atmosphere for a given location and time. Projects that have the potential to improve both air quality prediction and research by incorporating scientific advances in chemistry modeling and inputs from the latest pollutant emission datasets will be considered.

Proposals are due December 2, 2024. Optional letters of intent are due October 2, 2024. An estimated \$1 million is available for up to three awards.

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

FY2025 Weather Program Office Research Programs Announcement - Observations
Commerce

Notice seeking proposals to develop, demonstrate, and/or analyze innovative sensor and observing technologies and strategies that have high potential for advancing an observation systems portfolio that is mission-effective, integrated, adaptable, and affordable. Proposed projects should document clear relevance and support to the weather enterprise.

Proposals are due December 2, 2024. Optional letters of intent are due October 2, 2024. An estimated \$2.1 million is available to fund seven awards.

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

FY2025 Weather Program Office Research Programs Announcement - Subseasonal to Seasonal Commerce

Notice seeking proposals to support new weather, water, and earth system observing and forecasting applications, including improved analysis techniques, better statistical or dynamic forecast models and techniques, development of calibrated, probabilistic forecasts, and communication of that information to better inform the public. The program will address a spectrum of issues on the subseasonal to seasonal time frame at various stages of research readiness. The subseasonal to seasonal temporal range covers a wide range of phenomena with significant global and regional impacts on economies and human safety.

Proposals are due December 2, 2024. Optional letters of intent are due October 2, 2024. An estimated \$1.5 million is available for up to five awards.

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

FY2025 Weather Program Office Research Programs Announcement - Testbeds Commerce

Notice seeking proposals to support new weather, water, and earth system observing and forecasting applications, including improved analysis techniques, better statistical or dynamic forecast models and techniques, development of calibrated, probabilistic forecasts, and communication of that information to better inform the public. Project proposals submitted to this competition will focus on applied research and development, and, in particular, the demonstration and testing of that research in NOAA's quasi-operational forecasting environment through engagement with one of NOAA's testbeds.

Proposals are due December 2, 2024. Optional letters of intent are due October 2, 2024. An estimated \$14.2 million is available to fund 15 awards.

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

FY2025 Weather Program Office Research Programs Announcement - VORTEX USA Commerce

Notice seeking proposals to improve the effectiveness of tornado forecasts and warnings in the U.S. New meteorological knowledge will be gained through examination of historical data, special datasets collected in the field through earlier Verification of the Origins of Rotation in Tornadoes EXperiment-Southeast (VORTEX-SE) campaigns, and the application of state-of-the-art numerical weather prediction and data assimilation systems.

Proposals are due December 2, 2024. Optional letters of intent are due October 2, 2024. An estimated \$2.5 million is available to fund up to five awards.

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

Regional Resiliency and Vulnerability Assessments for Ocean and Coastal Acidification (RVA OA25)

Commerce

Notice seeking proposals for collaborative projects that synthesize ocean and coastal acidification information at a regional scale. This announcement specifically addresses priorities for how ocean and coastal acidification - in the context of changing ocean conditions - affects dependent human communities (the human dimensions of ocean and coastal acidification).

Required letters of intent are due November 20, 2024. Proposals are due December 2, 2024. Approximately \$3 million is available for up to six awards.

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

ROSES 2024: A.5 Carbon Cycle Science National Aeronautics and Space Administration

Notice seeking proposals that make significant use of remote sensing data to improve understanding of changes in the distribution and cycling of carbon among the active land, ocean, coastal, and atmospheric reservoirs, and how that understanding can be used to establish a scientific foundation for societal responses to environmental change.

Proposals are due February 3, 2025. An estimated \$5 million is available to fund up to 22 awards.

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

ROSES 2024: A.55 Decadal Survey Incubation Program: Science and Technology National Aeronautics and Space Administration

Notice seeking proposals to encourage the participation of the space, Earth, and biological and physical 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, Earth, and biological and physical 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 due December 17, 2024. An estimated \$12.7 million is available to fund multiple awards.

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

X-ray Extreme-Range Non-Imaging Analysis (XENA) Defense

Notice seeking proposals to develop new methods for image enhancement in long-standoff transmission X-ray scenarios where motion blur is also present. XENA is an algorithm development program only; advances to X-ray source or detector hardware to increase signal-to-noise ratio are out of scope. The XENA program is a two-phase program.

Required abstracts are due October 24, 2024. Multiple awards are anticipated.

LINKS: [Contract Opportunities](#)

NASA Advisory Council; Science Committee; Meeting National Aeronautics and Space Administration

Notice announcing a meeting of the Science Committee of the NASA Advisory Council (NAC). The meeting will be held for the purpose of soliciting, from the scientific community and other persons, scientific and technical information relevant to program planning.

The meeting will be held October 8-10, 2024 from 10 a.m. to 5:30 p.m. Public attendance will be virtual only.

LINKS: [Federal Register](#)

Request for Information (RFI) Technology and Market Potential of Photovoltaic-Thermal (PVT) Systems in the United States
Energy

Notice seeking to gain a better understanding of photovoltaic-thermal (PVT) technologies. SETO is looking to solicit information on PVT technology, including but not limited to business, state-of-the-art, regulatory statutes, and consumer opinion. SETO aims to summarize the information gathered from this RFI and will use the stakeholder feedback obtained to inform future program development.

Responses are due December 31, 2024.

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