

UNO FOCUS:

Competitive Research Program Funding Opportunity for 2026-2028
Sea Grant Louisiana

Louisiana Sea Grant (LSG) supports a multidisciplinary, integrated program of applied research, outreach and education that addresses coastal and marine issues important to the State of Louisiana in four focus areas: Healthy Coastal Ecosystems; Resilient Communities and Economies; Sustainable Fisheries and Aquaculture; and Environmental Literacy and Workforce Development.

Letters of interest are due January 14, 2025. Full proposals are due May 6, 2025.

LINKS: [LA Sea Grant](#)

ARTS, HUMANITIES, and INTERNATIONAL

Native American Library Services Basic Grant (2025)
Institute of Museum and Library Services

Notice seeking proposals to assist Native American Tribes in establishing, sustaining, and improving library services and operations with their communities. As information needs change, Tribal libraries must be able to serve as knowledge and resource centers to benefit their users and the wellness of their communities.

Proposals are due February 4, 2025. Grant amount are from \$6,000 to \$10,000. Colleges and universities are eligible to partner.

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

U.S. Ambassadors Fund for Cultural Preservation Grants Program
State

Notice seeking proposals that helps protect historic buildings, archaeological sites, museum collections, and traditional cultural expressions like indigenous languages and crafts around the world.

Deadlines vary by participating U.S. Embassy. An estimated \$6 million is available to fund 25 to 35 awards.

LINKS: [Grants.gov](#)

EDUCATION and ECONOMIC & COMMUNITY DEVELOPMENT

Student Debt Relief Based on Hardship for the William D. Ford Federal Direct Loan Program (Direct Loans), the Federal Family Education Loan (FFEL) Program, the Federal Perkins Loan (Perkins) Program, and the Health Education Assistance Loan (HEAL) Program
Education

Notice seeking comments on a proposal to amend the regulations related to the Higher Education Act of 1965, as amended, to provide for the waiver of certain student loan debts. The proposed regulations would specify the Secretary of Education's authority to waive all or part of any student loan debts owed to ED based on the Secretary's determination that a borrower has experienced or is experiencing hardship related to such a loan.

Comments are due by December 2, 2024. Comments must be submitted via the Federal eRulemaking Portal at [Regulations.gov](#).

LINKS: [Federal Register](#)

Merit Switzer Research Fellowships for Doctoral Dissertation Research
U.S. Department of Health and Human Services

Notice seeking proposals to build research capacity by providing support to highly qualified individuals, including individuals with disabilities, to conduct research on rehabilitation, independent living, and other experiences and outcomes of people with disabilities. Fellows must conduct original research that is focused on the experiences and outcomes of people with disabilities in one or more of NIDILRR's three outcome domains: (1) community living and participation; (2) employment; or (3) health and function.

Proposals are due January 14, 2025. Five awards are available for up to \$45,000.

LINKS: [Grants.gov](#)

HEALTH and MENTAL HEALTH

Clinical Coordinating Center for NCCIH Multi-Site Investigator-Initiated Clinical Trials of Natural Products (Collaborative UG3-UH3 Clinical Trial Required)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals for investigator-initiated, multi-site, clinical trials (Phase III and beyond) to study the effects of natural products in NCCIH designated areas of high research priority. For this NOFO, natural products include promising nutritional regimens that standardize the amount of a specific naturally occurring nutritional compound and have compelling preliminary evidence.

Proposals are due mid-February and June through 2026.

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

Computational Approaches to Curation at Scale for Biomedical Research Assets (R01 Clinical Trial Not Allowed)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals to accelerate access to, and availability of, secure, complete datasets and computational models that can serve as the basis for transformative biomedical discoveries. Innovative at-scale computational approaches that increase the speed and scope of curation processes are needed for data mining and knowledge discovery from growing quantities of biomedical data being produced from ongoing data science advances.

Optional letters of intent are due 30 days before application due dates. Proposals are due January 15 (28th in 2025), May 15, and September 15 annually through April 16, 2027. Awards are up to \$250,000.

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

Dissemination and Implementation Research in Health (R01 Clinical Trial Optional)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals to support studies that will identify, develop, and/or test strategies for overcoming barriers to the adoption, adaptation, integration, sustainability, scale-up, and spread of evidence-based interventions, practices, programs, tools, treatments, guidelines, and policies (hereafter referred to as evidence-based interventions). Studies that promote equitable dissemination and implementation of evidence-based interventions among underrepresented communities are encouraged.

Optional letters of intent are due 30 days before application due dates. Applications are due February 5, June 5, and October 5 through January 8, 2028.

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

Dissemination and Implementation Research in Health (R21 Clinical Trial Optional)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking applications to support studies that will identify, develop, and/or test strategies for overcoming barriers to the adoption, adaptation, integration, scale-up, and sustainability of evidence-based interventions, practices, programs, tools, treatments, guidelines, and policies. Studies that promote equitable dissemination and implementation of evidence-based interventions among underrepresented communities are encouraged. Conversely, there is a benefit in understanding circumstances that create a need to stop or reduce (de-implement) the use of practices that are ineffective, unproven, low-value, or harmful. In addition, studies to advance dissemination and implementation research methods and measures are encouraged.

Proposals are due February 16, June 16, and October 16, annually until January 8, 2028.

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

Effectiveness Trials for Post-Acute Interventions and Services to Optimize Longer-term Outcomes (R01 Clinical Trial Required)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals for research projects to evaluate the effectiveness of therapeutic and service delivery interventions for the post-acute management of mental health conditions affecting youth, adults, and older adults.

Proposals are due February 5, June 5, and October 5, annually until January 8, 2028. Awards may vary.

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

Enhancing Mechanistic Research on Precision Probiotic Therapies (Clinical Trial Optional)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals to support highly innovative mechanistic research to accelerate the development of effective precision probiotic interventions. This program aims to understand, and develop strategies to address barriers in precision probiotic interventions' development to account for human heterogeneity resulting in inconsistent responses to probiotic treatments. Awards mechanisms included are [R33](#) and [R61/R33](#).

Proposals are due June 2, 2025; February 2, 2026; October 1, 2026; and June 2, 2027.

LINKS: [Grants.gov \(R33\)](#); [Grants.gov \(R61/R33\)](#)

High-End Instrumentation (HEI) Grant Program (S10 Clinical Trial Not Allowed)
U.S. Department of Health and Human Services, National Institutes of Health, National Institutes of Health

Notice seeking proposals from groups of NIH-supported investigators to purchase or upgrade a single item of high-end, specialized, commercially available instruments or integrated systems. Instruments supported include, but are not limited to, nuclear magnetic resonance spectrometers, X-ray diffractometers, mass spectrometers, high throughput robotic screening systems, DNA and protein sequencers, biosensors, electron and light microscopes, flow cytometers, and biomedical imagers.

Proposals are due June 1, annually through 2027. The minimum award is \$750,001. There is no maximum price limit for the instrument; however, the maximum award is \$2 million.

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

Limited Competition: Basic Instrumentation Grant (BIG) Program (S10 Clinical Trial Not Allowed)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals from groups of NIH-supported investigators to purchase a single piece of new, costly, specialized, commercially available instrument or an integrated instrumentation system. The BIG Program is limited to institutions that have not received S10 instrumentation funding of \$500,001 or greater in any of the preceding three Federal fiscal years.

Proposals are due early June through 2027. Awards are up to \$350,000.

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

NINDS Sustainable Transformation of Institutional Research Rigor (STIRR) Program (RC2 - Clinical Trial Not Allowed)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals to support the establishment of programs to enhance research rigor and transparency practices within academic and research institutions to promote a culture of high-quality neuroscience research. Awards are intended to support the implementation of innovative programs, strategies, and approaches at the departmental, inter-departmental, or equivalent intra-institutional entity level.

Proposals are due October 17, 2025. An estimated \$3.5 million is available per year to fund up to five awards lasting up to three years.

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

Shared Instrumentation Grant (SIG) Program (S10 Clinical Trial Not Allowed)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals from groups of NIH-supported investigators to purchase or upgrade a single item of high-priced, specialized, commercially available instruments or integrated instrumentation system. Instruments supported include, but are not limited to: light microscopes, biomedical imagers, mass spectrometers, nuclear magnetic resonance spectrometers, flow cytometers, DNA and protein sequencers, biosensors, and X-ray diffractometers.

Proposals are due June 1, annually through 2027. Awards range from \$50,000 to \$750,000.

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

Targeting Inflammasomes in HIV and Substance Use
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals to encourage research to explore mechanisms of inflammasome activation and their link to neurocognitive disorder (NCD) and immune function in people with HIV and substance use disorders (SUDs).

Optional letters of intent are due February 13, 2025. Proposals are due March 13, 2025. Multiple awards expected.

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

Translational Neural Devices (R61-R33 - Clinical Trial Optional)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals to encourage investigators to pursue translational activities and small clinical studies to advance the development of low-risk therapeutic and diagnostic devices for disorders that affect the nervous or neuromuscular systems.

Optional letters of intent are due 60 days prior to application due dates. Proposals are due January 28, May 28, and September 28 (29 in 2025) annually through January 29, 2027.

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

National Advisory Child Health and Human Development Council
U.S. Department of Health and Human Services, National Institutes of Health

Notice announcing a meeting in the virtual public portion of an advisory council. The agenda includes a report from the NICHD Director, and other council business.

The meeting will be held January 13, 2025. A link for participation can be found on the agency website.

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

National Institute of Diabetes and Digestive and Kidney Diseases Board of Scientific Counselors Meeting
U.S. Department of Health and Human Services, National Institutes of Health

Notice announcing participation in the public portion of a virtual meeting. The agenda includes introductions and overview.

The meeting will be held April 3, 2025.

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

National Institute of Neurological Disorders and Stroke, Interagency Pain Research Coordinating Committee Call for Committee Membership Nominations
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking nominations to serve on the committee. Nominees are sought for non-federal members from among scientists, physicians, and other health professionals and for non-federal members of the public who represent a leading research, advocacy, or service organization for people with pain-related conditions.

Nominations are due by December 17, 2024 at <https://www.surveymonkey.com/r/IPRCC-nomination-form>.

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

Academic-Industrial Partnerships (AIP) to Translate and Validate In Vivo Imaging Systems (R01 Clinical Trial Optional)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals to stimulate translation of scientific discoveries and engineering developments in imaging, data science and/or spectroscopic technologies into methods or tools that address contemporary

problems in understanding the fundamental biology, potential risk of development, diagnosis, or treatment of cancer.

Proposals are due February 5, 2025 and October 5, 2025. Awards may vary.

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

Addressing Challenges in Detecting New Drugs: Instrumentation for Alternative Analytical Methods (R43-R44 - Clinical Trials Optional)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals to pursue the translation of target-agnostic technologies with sensitivity and selectivity similar to liquid chromatography-mass spectrometry (LC-MS). Applications received in response to this NOFO are expected to address development of such devices with significantly lower initial cost and low cost of operation compared with state of the art.

Proposals are due February 19, 2025. An estimated \$3 million is available to fund four to seven awards.

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

Advancing Research to Understand Congenital Malformations (R01 Clinical Trial Not Allowed)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals to support innovative research that will inform our understanding of the mechanisms underlying the formation of structural birth defects using animal models in conjunction with human translational/clinical approaches.

Proposals are due February 5, 2025 and June 5, 2025. Awards may vary.

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

Assay development and screening for discovery of chemical probes, drugs or immunomodulators (R01 Clinical Trial Not Allowed)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals to stimulate research in discovery and development of novel, small molecules for cancer. Molecules discovered through this NOFO may be used to probe cancer biology, to validate cancer targets, or as the basis for optimized drugs.

Proposals are due February 5, June 5, and October 5, annually through September 8, 2026.

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

Assay Development and Screening for Discovery of Validated Chemical Hits for Brain Disorders (R01 Clinical Trial Not Allowed)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals to support the development and validation of screening assays for the discovery of validated hits that can be used in future drug discovery/development efforts for identifying potential drug candidates for the treatment of mental illness.

Proposals are due February 5, 2025 June 5, 2025 and October 5, 2025.

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

Bioengineering Partnerships with Industry (U01 Clinical Trial Optional)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals from research partnerships formed by academic and industrial investigators to accelerate the development and adoption of promising bioengineering tools and technologies that can address important biomedical problems. The objectives are to establish these tools and technologies as robust, well-characterized solutions that fulfill an unmet need and are capable of enhancing our understanding of life science processes or the practice of medicine.

Proposals are due January 28, 2025 and May 28, 2025. Program expires September 8, 2027.

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

Cancer Prevention and Control Clinical Trials Planning Grant Program (R34, U34 Clinical Trials Optional)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals intending to facilitate well-planned clinical trials across the cancer prevention and control spectrum aimed at improving prevention/ interception, cancer-related health behaviors, screening, early detection, healthcare delivery, management of treatment-related symptoms, supportive care, and the long-term outcomes of cancer survivors.

Optional letters of intent are due 30 days prior to application due date. Applications are due January 25, June 25, and October 25 annually through October 26, 2027.

LINKS: [Grants.gov \(PAR-25-103\)](#); [Grants.gov \(PAR-25-104\)](#)

Clinical Characterization of Cancer Therapy-induced Adverse Sequelae and Mechanism-based Interventional Strategies (R01 Clinical Trial Optional)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals to promote research studies designed to address adverse sequelae of cancer therapies that persist and become chronic co-morbidities or develop as delayed posttreatment effects. This NOFO supports basic, translational, and clinical research projects that seek to identify the mechanisms of therapy-induced adverse sequelae, clinically characterize the adverse sequelae, and translate the mechanistic understanding into therapeutic approaches to prevent or minimize the development of long-term sequelae.

Proposals are due February 5, June 5, and October 5, annually through January 8, 2028.

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

Combating Antibiotic-Resistant Bacteria Interdisciplinary Research Units (CARBIRUs) (P01 Clinical Trial Not Allowed)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals to support multidisciplinary research programs focused on discovery to early development research to inform new approaches to prevent, diagnose, and treat antibiotic-resistant bacterial infections.

Proposals are due March 26, 2025. An estimated \$10 million is available to fund four to five awards.

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

Development and Application of PET and SPECT Imaging Ligands as Biomarkers for Drug Discovery and for Pathophysiological Studies of CNS Disorders (R01 Clinical Trial Optional)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals that propose the development and evaluation of novel radioligands for positron emission tomography (PET) or single photon emission computed tomography (SPECT) for molecular targets (e.g., receptors, intracellular messengers, disease-related proteins) that are implicated in brain disorders as tools to study disease pathophysiology and/or for assessing target engagement of potential therapeutic candidates.

Proposals are due February 5, 2025 June 5, 2025 and October 5, 2025.

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

In-Depth Phenotyping and Research Using IMPC-Generated Knockout Mouse Strains Exhibiting Embryonic or Perinatal Lethality or Subviability (R01 Clinical Trial Not Allowed)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals to phenotype and/or perform research on embryonic lethal knockout (KO) mouse strains being generated through the International Mouse Phenotyping Consortium (IMPC) of which the NIH Knockout Mouse Phenotyping Program (KOMP2) is a member. The mission of IMPC is to generate a comprehensive catalogue of mammalian gene function that will provide the foundation for functional analyses of human genetic variation. The current (July 19, 2022) IMPC data release includes phenotypic data for 8260 knockout genes.

Proposals are due June 5, 2025 and October 5, 2025.

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

Innovation Grants to Nurture Initial Translational Efforts (IGNITE): Neurotherapeutic Agent Characterization and In vivo Efficacy Studies (R61-R33 Clinical Trial Not Allowed)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals to conduct pharmacodynamic, pharmacokinetic, and in vivo efficacy studies to demonstrate that proposed therapeutic agent(s) have sufficient biological activity to warrant further development to treat neurological disorders that fall under the NINDS mission. Therapeutic agents include small molecules or biologics.

Proposals are due February 18, June 18, and October 20, annually through October 21, 2027.

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

Integration of Imaging and Fluid-Based Tumor Monitoring in Cancer Therapy (R01 Clinical Trial Optional)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals describing projects that integrate imaging and fluid-based tumor monitoring (liquid biopsy) assays during cancer therapy in patients to determine the optimal use of these modalities in the characterization of therapy response and/or emergence of treatment resistance.

Proposals are due February 5, June 5, and October 5, annually through January 8, 2028.

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

Molecular Imaging of Inflammation in Cancer (R01 Clinical Trial Not Allowed)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals for the development and application of current and emerging molecular imaging methods to gain fundamental insights into cancer inflammation in vivo.

Proposals are due February 5, June 5, and October 5, annually through January 8, 2028.

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

Natural History of Disorders Screenable in the Newborn Period (R01 Clinical Trial Optional)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals that will expand knowledge of the natural history of disorders that currently are, or may become, part of statewide newborn screening programs. A comprehensive understanding of the natural history of a condition is necessary to facilitate appropriate interventions for infants identified by newborn screening.

Proposals are due February 5, June 5, and October 5, annually through January 8, 2028.

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

NIA Academic Leadership Career Award (K07 Independent Clinical Trial Not Allowed)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals to provide support for established investigators who have the expertise and leadership skills to enhance aging and/or Alzheimer's Disease (AD) and AD-Related Dementias (ADRD) research capacity within their academic institution. Investigators will endeavor to develop research and educational infrastructure, mentorship, and career development activities in support of new or emerging areas of aging and/or AD/ADRD research.

Proposals are due February 12, June 12, and October 12, annually through November 13, 2027.

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

NIA Multi-site Clinical Trial Implementation Grant (R01 Clinical Trial Required)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals for implementation of investigator-initiated multi-site interventional clinical trials (all phases). The trials should be hypothesis-driven, milestone-defined, and related to NIA's research mission.

Proposals are due February 5, 2025, June 5, 2025, and October 5, 2025.

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

Population Approaches to Reducing Alcohol-related Cancer Risk (R01 Clinical Trial Optional)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals to support research on interdisciplinary population approaches to increasing awareness of the relationship between alcohol and cancer risk, understanding and changing social norms related to alcohol consumption, developing and/or evaluating alcohol policy approaches, and the development, testing, and implementation of population-level interventions to reduce alcohol-related cancer risk.

Proposals are due February 5, June 5, and October 5, annually through January 8, 2027.

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

Research Projects to Enhance Applicability of Mammalian Models for Translational Research (R01 Clinical Trial Not Allowed)

U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals for projects to expand, improve, or transform the utility of mammalian cancer and tumor models for translational research.

Proposals are due February 5, June 5, and October 5, annually through September 8, 2026.

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

Research With Activities Related to Diversity (ReWARD) (R01 Clinical Trial Optional)

U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals to enhance the breadth and geographical location of research and research-related activities supported by NIH. The ReWARD program provides support for the health-related research of scientists who are making a significant contribution to Diversity, Equity, Inclusion, and Accessibility (DEIA) and who have no current NIH research project grant funding.

Proposals are due February 5, June 5, and October 5, annually through January 8, 2028.

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

Stimulating Hematology Investigation: New Endeavors (SHINE) (R01 Clinical Trial Not Allowed)

U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals to promote innovative, high-quality nonmalignant hematology research relevant to the missions of the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institute of Aging (NIA), and the National Heart, Lung, and Blood Institute (NHLBI). Investigator-initiated research project grant applications (R01s) in specific areas of basic and early translational hematology research are invited to this program that supports growth in the non-malignant hematology research domain.

Proposals are due February 5, June 5, and October 5, annually through January 7, 2028. An estimated \$2.5 million is available to fund five to eight awards.

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

SCIENCE, TECHNOLOGY, ENGINEERING, and MATHEMATICS

2025 Human Exploration Research Opportunities (HERO)

National Aeronautics and Space Administration

Notice seeking proposals for research projects to provide human health and performance countermeasures, knowledge, technologies, and tools to enable safe, reliable, and productive human space exploration. The scope of this goal includes both the successful completion of exploration missions and the preservation of astronaut health over the life of the astronaut. Several opportunities will be available under different topics released in corresponding announcements, see the corresponding announcement about Appendix A for the first competition.

A required notice of interest for Appendix A, step one proposals must be submitted by December 2, 2024. Full proposals are accepted by invitation only. Up to 10 awards are anticipated, ranging from \$250,000 - \$500,000 per year, for up to three years.

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

Air Dominance Broad Agency Announcement (BAA)
Defense, Defense

Notice seeking white papers for research to develop/modify and employ models used to analyze Air Superiority concepts. The objectives for research include: modeling, innovative aircraft integration technology; find-fix-target-track technology; engagement management system technology; high velocity fuzing; missile electronics; missile guidance and control; advanced warhead technology; advanced missile propulsion technology; advanced missile flight control systems; missile carriage and release technology; missile test and evaluation technology; and artificial intelligence.

White papers may be submitted on a rolling basis until October 31, 2029. An estimated \$750 million is available over five years.

LINKS: [Grants.gov](#)

Climate Resilience Centers
Energy

Notice seeking applications from the scientific community for Climate Resilience Centers (CRCs) that will improve the availability and utility of BER research, data, models, and capabilities to address climate resiliency, particularly by underrepresented or vulnerable communities. Applicant institutions are limited to no more than one pre-application or application for each PI at the applicant institution.

Required pre-proposals are due December 12, 2024. Proposals are due February 20, 2025. An estimated \$10 million is available to fund up to 15 awards.

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

FY 2025 NIST Small Business Innovation Research Program Phase I
Commerce

Notice seeking proposals to explore the technical merit or feasibility of an innovative idea or technology with the aim of developing a viable product or service, and/or a standard, that will be introduced to the commercial marketplace.

Proposals are due December 27, 2024. Ten awards up to \$100,000 are expected.

LINKS: [Grants.gov](#)

Galvanizing Leaps in Advanced Super INSulating Glass (GLASING)
Energy

Notice seeking proposals to develop high performance Insulated Glass Units (IGUs) to improve the energy efficiency of new and existing buildings.

Concept papers are due November 26, 2024. An estimated \$18 million is available to fund multiple awards.

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

Geosciences Open Science Ecosystem
National Science Foundation

Notice seeking proposals to pursue a variety of activities to advance open science practices within the geosciences. Projects should be innovative open science approaches that advance geosciences research and education through leveraging expanding information resources and computing capabilities. The program also supports initiatives to strengthen the capacity of current and future geoscientists to access, utilize, and collaborate within the growing ecosystem of open science resources.

Proposals are due February 14, 2025. An estimated \$4 million is available to fund up to eight awards.

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

Human-Environment and Geographical Sciences Program
National Science Foundation

Notice seeking proposals to support basic scientific research about the nature, causes, consequences, or evolution of the spatial dimensions of human behaviors, activities, and dynamics as well as their interactions with environmental and social processes across a range of scales. Contemporary geographical research encompasses diverse research traditions and methodologies. Recognizing the breadth of the field's contributions to science, the HEGS Program welcomes proposals for empirically grounded, theoretically engaged, methodologically rigorous, and generalizable research that advances geographical and geospatial sciences.

Proposals are due February 3, 2025. An estimated \$7 million is available to fund 15 to 25 awards.

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

Rapid Response Fund for Aquatic Invasive Species FY2025
Interior

Notice seeking proposals for projects that support efforts to plan a response or deploy response measures to a new detection of a potentially invasive species. Response efforts must target an aquatic invasive species, defined as non-native plants or animals that reside in fresh, wetland, estuarine, or marine waters.

Proposals are accepted on a ruling basis until September 30, 2025. An estimated \$960,000 is available to fund up to five awards. Eligibility is limited to states, tribal governments and organizations, U.S. territory organizations, and interstate agencies but opportunities may exist for colleges and universities to collaborate.

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

Sea Grant Programs Only - FY2025 Establishing and Supporting Partnerships with Minority Serving Institutions (MSIs) in Aquaculture: Regional Collaboratives
Commerce

Notice seeking proposals to establish regional collaboratives focused on enhancing engagement of minority serving institutions (MSIs) in aquaculture.

Required letters of intent are due January 29, 2025. Full applications are due March 19, 2025. Approximately four awards of up to \$1 million each are available. Eligibility is limited to Sea Grant College Programs, Sea Grant Institutional Programs and Sea Grant Coherent Area Programs, but opportunities may exist for other colleges and universities, especially minority serving institutions, to collaborate.

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

Notice announcing a meeting scheduled to discuss industry and academic research and technology related to space warfare including the following: space domain awareness; space-based sensing; space access, mobility, and logistics; space spectrum warfare, space superiority, etc.

Email expressions of interest to the contact by January 17, 2025.

LINKS: [Contract Opportunities](#)

Atmospheric System Research (ASR)
Energy

Notice seeking proposals to supports research on key cloud, aerosol, precipitation, and radiative transfer processes that affect the Earth's radiative balance and hydrological cycle, especially processes that limit the predictive ability of regional and global models. This NOFO solicits research grant applications for observational, data analysis, and/or modeling studies that use BER-supported Atmospheric Radiation Measurement (ARM) user facility observations to improve understanding and model representation of: 1) Atmospheric processes from ARM's Coast-Urban-Rural Atmospheric Gradient Experiment (CoURAGE) and 2) High latitude and Southern Ocean atmospheric processes using ARM observations.

Required pre-applications are due January 7, 2025. An estimated \$6 million is available to fund six to nine awards.

LINKS: [Grants.gov](#)

Environmental System Science (ESS)
Energy

Notice seeking proposals to advance an integrated, robust, and scale-aware predictive understanding of terrestrial systems and their interdependent microbial, biogeochemical, ecological, hydrological, and physical processes. The ESS program scope advances foundational process knowledge with an emphasis on understudied ecosystems.

Required pre-applications are due December 11, 2024. Applications are due March 13, 2025. An estimated \$6 million is available to fund up to 10 awards.

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

National Artificial Intelligence Advisory Committee
Commerce

Notice announcing a meeting of the National Artificial Intelligence Advisory Committee (NAIAC or Committee). The primary purpose of this meeting is to have invited guests brief the full Committee on topics of interest related to AI in Hardware and AI and Energy.

The meeting will be held Thursday, November 21, 2024 from 2 p.m.-4:30 p.m. ET. The meeting will be held via webinar.

LINKS: [Federal Register](#)