

UNO FOCUS:

Graduate Student Research Assistance (GSRA) Program Louisiana Space Grant Consortium

The Graduate Student Research Assistance (GSRA) program is designed to augment the lower-than-average compensation levels available to promising graduate students on LaSPACE campuses and, thereby, 1) retain more U.S. students for graduate study at consortium institutions, 2) promote diversity, and 3) assist in dissertation research. The GSRA supplement is \$10,000 for a 12-month period and can be used for augmenting the student stipend, to defray dissertation related research expenses, and promote student research presentations at national meetings. Cost share on the award is required. Applications are judged on the basis of aerospace/NASA relevance of the research and overall relevance to LaSPACE research and programmatic objectives. Proposals must clearly identify the Mission Directorate priority being addressed by this project.

Submit all properly executed proposals via email as fully searchable pdf documents to laspace@lsu.edu by 11:59 pm on Monday, March 20, 2023.

LINKS: [LaSPACE](#)

Undergraduate Research Assistantship (LURA) Program Louisiana Space Grant Consortium

The LaSPACE Undergraduate Research Assistantship (LURA) Program is directed at undergraduate science and engineering students who are interested in space/aerospace science and technology. The intent of the LURA program is to supplement and enhance the undergraduate academic curriculum by providing the science/engineering student with a hands-on, mentored research experience relevant to space sciences. A LURA project will be a joint effort between a faculty researcher, who serves as mentor and project Principal Investigator, and an undergraduate research assistant. Proposals must clearly identify the Mission Directorate priority being addressed by this project.

Submit all properly executed proposals via email as fully searchable pdf documents to laspace@lsu.edu by 11:59 pm on Monday, March 20, 2023.

LINKS: [LaSPACE](#)

Guided Pathways in STEM (GPS) Scholarship Opportunity Louisiana Space Grant Consortium

LaSPACE Guided Pathways in STEM (GPS) is a competitive scholarship program developed to accomplish two core goals: 1) provide competitively awarded financial support that helps students remain in a NASA-relevant discipline, and 2) create requirements for funded students that will also be professional development opportunities. This program is meant to open pathways for participation. Traditionally limiting requirements will not be included: e.g. faculty letters of recommendation, minimum GPAs, etc. will not be considered. Applicants must complete an online scholarship application and a separate online demographic form. Scholarship recipients will be selected entirely based on the quality of their responses to several short essay questions. In situations where equally qualified applications are submitted, selection will be influenced by establishing the most diverse possible cohort of recipients (i.e. we want to fund a group of students from a variety of majors enrolled in as many different institutions across our state as possible).

Complete an [online demographic form](#) and the [scholarship application](#) on or before, Tuesday, January 17, 2023.

LINKS: [LaSPACE](#)

Senior Design Project Support (Senior Design) Program
Louisiana Space Grant Consortium

The Senior Design Project Support Program is meant to offer supplemental funding in support of high-level student-led research and design projects conducted under the auspices of a formal Senior Design or Capstone Course. Projects must show clear relevance to NASA's mission and ongoing research at one or more of the NASA centers and be clearly aligned with research under the umbrella of one or more of the four mission directorates. This funding source is meant to supplement the cost of materials and supplies and/or travel for competitions related to such formally established senior design projects/courses. Senior Design subawards will be issued as nine-month awards instead of the previous year-long awards of the past.

Submit all properly executed proposals via email as fully searchable pdf documents to laspace@lsu.edu by 11:59 pm on Monday, March 20, 2023.

LINKS: [LaSPACE](#)

ARTS, HUMANITIES, and INTERNATIONAL

DRL FY22: Global Equality Fund LGBTQI+ Programs
Department of State (State)

Notice seeking proposals for projects that have the goal to provide lesbian, gay, bisexual, transgender, queer, and intersex (LGBTQI+) communities with the tools to empower local movements and communities; prevent, mitigate, and recover from violence, discrimination, stigma, and human rights abuses; promote full social inclusion; or address critical issues of justice.

Applications are due March 1, 2023. Six awards are anticipated.

LINKS: [Grants.gov](#)

Securing Emerging Technologies and Their Supply Chains
Department of State (State), Bureau of International Security and Nonproliferation (ISN)

Notice seeking proposals to address national security deficiencies in partner nations' export controls, related technology protection controls, public procurement, investment screening, and critical infrastructure protection measures, as well as build the corresponding institutional capabilities in customs and border enforcement.

Proposals are due March 4, 2023. Questions are due February 1, 2023. Up to \$6.42 million is available to fund seven awards.

LINKS: [Grants.gov](#)

EDUCATION and ECONOMIC & COMMUNITY DEVELOPMENT

Climate Program Office (CPO), Climate and Societal Interactions (CSI) Division — Bipartisan Infrastructure Law (BIL)
National Oceanic and Atmospheric Administration (NOAA), Department of Commerce (Commerce)

Notice seeking proposals for collaborative research and community engagement projects that improve climate adaptation planning and action.

Applications are due March 29, 2023. An estimated 12 awards with a ceiling of \$500,000 are anticipated.

LINKS: [Grants.gov](#)

DOL Building Pathways to Infrastructure Jobs Grant Program
Department of Labor (Labor), Employment and Training Administration (ETA)

Notice seeking applications to fund public-private partnerships to develop, strengthen, and scale promising and evidence-based training models in H-1B industries and occupations critical to meeting the goals of the Bipartisan Infrastructure Law (BIL) and to maximize the impact of these investments. The United States (U.S.) will need a proficient workforce to fill the good-paying jobs created by this historic investment, and this grant program will train job seekers in advanced manufacturing; information technology; and professional, scientific, and technical services occupations that support renewable energy, transportation, and broadband infrastructure sectors.

Applications are due April 23, 2023. Up to \$80 million is available to fund 25 awards.

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

HEALTH and MENTAL HEALTH

AHRQ and PCORI Learning Health System Embedded Scientist Training and Research Centers (P30)
Agency for Healthcare Research and Quality (AHRQ), Department of Health and Human Services (HHS)

Notice seeking proposals to create Learning Health System Embedded Scientist Training and Research Centers to support the professional development of scientists to conduct research that accelerates progress towards an integrated learning health system.

Applications are due March 24, 2023. Multiple awards are anticipated.

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

Ancillary Studies to the NIDDK Inflammatory Bowel Disease Genetics Consortium (R01 Clinical Trial Not Allowed)
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

Notice seeking proposals to expand the number of IBD susceptibility loci, causal variants and effector genes, and IBD-related phenotypes and physiological domains under investigation via Ancillary Studies utilizing the extensive resources including subjects, samples and datasets established by the IBDGC.

Applications are due March 9, 2023. Seven awards with a per-year ceiling of \$300,000 are anticipated.

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

Bidirectional Influences Between Adolescent Social Media Use and Mental Health (R01 and R21 Clinical Trial Optional)
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking proposals for understanding bidirectional relationships between social media use and adolescent mental health, psychiatric symptoms, and risk or resilience for psychopathology. R01 and R21 mechanisms are available.

Applications are due March 24, 2023. An estimated \$5 million is available to fund about five to six awards.

LINKS: [Grants.gov \(R01\)](https://www.grants.gov), [Grants.gov \(R21\)](https://www.grants.gov)

Biomedical Data Repository and Biomedical Knowledgebase (U24 - Clinical Trials Not Allowed)
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking proposals for the formation and support of biomedical data repositories.

Applications are due January 25, 2023. Multiple awards are anticipated.

LINKS: [Grants.gov \(Biomedical Data Repository\)](#), [Grants.gov \(Biomedical Knowledgebase\)](#)

BRAIN Initiative: Brain Behavior Quantification and Synchronization (R61 R33 Clinical Trial Optional)
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking proposals for the development and validation of next generation platforms and analytic approaches to precisely quantify behaviors in humans and link them with simultaneously recorded brain activity.

Applications are due February 17, 2023. An estimated \$10 million is available to fund eight to ten awards.

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

Development of Innovative Informatics Methods and Algorithms for Cancer Research and Management (R21 Clinical Trial Optional)
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Cancer Institute (NCI)

Notice seeking proposals for innovative informatics methods and algorithms to improve the acquisition, analysis, visualization, or interpretation of data across the cancer research continuum including cancer biology, cancer treatment and diagnosis, early cancer detection, risk assessment and prevention, cancer control and epidemiology, and/or cancer health disparities.

Applications are due June 13, 2023. Five awards with a ceiling of \$275,000 are anticipated.

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

Early and Late Stage Clinical Trials for the Spectrum of Alzheimers Disease Alzheimers Related Dementias and Age-Related Cognitive Decline (R01 Clinical Trial Optional); Pilot Studies for the Spectrum of Alzheimers Disease Alzheimers Disease-Related Deme
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute on Aging (NIA)

Notice seeking proposals for promising pharmacological and non-pharmacological interventions for cognitive and neuropsychiatric changes associated with age-related cognitive decline and Alzheimer's disease and Alzheimer's disease-related Dementias across the spectrum from pre-symptomatic to more severe stages of disease. Mechanisms for early to late stage clinical trials and the collection of pilot data to support early stage testing are available.

Clinical trial applications are due February 5, 2023. Pilot study applications are due February 17, 2023.

LINKS: [Grants.gov \(Pilot Studies\)](#), [Grants.gov \(Clinical Trials\)](#)

Early-Stage Development of Informatics Technologies for Cancer Research and Management (U01 Clinical Trial Optional)
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Cancer Institute (NCI)

Notice seeking proposals to advance cancer model systems that recapitulate human immunity in the tumor microenvironment to improve the predictivity of immuno-oncology studies.

Applications are due June 13, 2023. Five to six awards with a ceiling of \$300,000 are anticipated.

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

Enhancing the Use of the All of Us Research Programs Data (R21 Clinical Trial Not Allowed); Small Grants to Enhance the Use of the All of Us Research Programs Data (R03 Clinical Trial Not Allowed)
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking proposals that will advance research in high-priority mission areas of the Institutes, Centers, and Offices (ICOs) through two companion FOAs: one to use standard methods and approaches to analyze currently available data within the All of Us Research Programs Researcher Workbench; and one to develop new methods, models, and tools and use them to analyze data in the Researcher Workbench.

Applications are due March 1, 2023. Multiple awards are anticipated.

LINKS: [Grants.gov \(Small Grants\)](#), [Grants.gov \(Enhancing use of data\)](#)

Genomic Community Resources (U24 Clinical Trial Not Allowed)
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking proposals for the development and distribution of genomic resources that use cost-effective approaches and will be valuable for the broad research community.

Applications are due January 25, 2023. Multiple awards are anticipated.

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

NIDA Core Center of Excellence Grant Program (P30 Clinical Trial Optional)
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking proposals to bring together investigators currently funded by NIH or other Federal or non-Federal sources, to enhance the effectiveness of existing research and also to extend the focus of research to drug abuse and addiction.

Applications are due September 25, 2023. Multiple awards are anticipated.

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

Small Research Grants for Analyses of Gabriella Miller Kids First Pediatric Research Data (R03 Clinical Trial Not Allowed)
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking proposals for small research projects focused on analyses of childhood cancer and/or structural birth defects genomic datasets generated by the Kids First program and/or associated phenotypic datasets.

Applications are due February 16, 2023. Multiple awards with a two-year ceiling of \$200,000 are anticipated.

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

Research Centers in Minority Institutions (RCMI) (U54 Clinical Trial Optional)
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute on Minority Health and Health Disparities (NIMHD)

Notice seeking applications to expand the national capacity for research in the health sciences by providing cooperative agreement support to institutions that offer doctorate degrees in the health professions or in a health-related science and have a documented historical and current commitment to educating underrepresented students, and for institutions that provide clinical services to medically underserved communities.

Applications are due March 1, 2023. Optional letters of intent are due January 30, 2023. Up to \$10 million is available to fund two to four awards.

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

Ryan White HIV AIDS Program Part F Dental Reimbursement Program
Health Resources and Services Administration (HRSA), Department of Health and Human Services (HHS)

Notice seeking proposals to improve access to oral health care services for low income people with HIV and to support related education and training for the delivery of dental care to people with HIV.

Applications are due March 10, 2023. Up to \$9 million is available to fund 50 awards.

LINKS: [Grants.gov](#)

Announcement of First Meeting of the 2025 Dietary Guidelines Advisory Committee and Request for Comments
Department of Health and Human Services (HHS), United States Department of Agriculture (USDA)

Notice announcing a meeting of the 2025 Dietary Guidelines Advisory Committee to orient the Committee to the Dietary Guidelines process and mark the beginning of its work.

The meeting will be held virtually on February 9 and 10, 2023.

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

Meeting of the Council on Graduate Medical Education
Health Resources and Services Administration (HRSA), Department of Health and Human Services (HHS)

Notice announcing a meeting of the Council on Graduate Medical Education. Issues addressed by the COGME include the supply and distribution of the physician workforce in the United States, including any projected shortages or excesses; international medical school graduates; the nature and financing of undergraduate and graduate medical education; appropriation levels for certain programs under Title VII of the Public Health Service Act; and deficiencies in databases of the supply and distribution of the physician workforce and postgraduate programs for training physicians.

The meeting will be held on March 16, 2023, 10 a.m.-5 p.m. ET and March 17, 2023, 10 a.m.-4 p.m. ET. Meetings will be held virtually and by teleconference.

LINKS: [Federal Register](#)

SCIENCE, TECHNOLOGY, ENGINEERING, and MATHEMATICS

Addressing Systems Challenges through Engineering Teams
National Science Foundation (NSF)

Notice seeking proposals to address research issues and answer engineering challenges associated with complex systems and networks that are not achievable by a single principal investigator or by short-term projects and can only be achieved by interdisciplinary research teams.

Applications are due April 19, 2023. Four to six awards with a ceiling of \$1.5 million are anticipated.

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

Biodiversity on a Changing Planet
National Science Foundation (NSF)

Notice seeking proposals that integrate pattern- and process-based research approaches in the context of the constant gain, loss, and reorganization of biodiversity on a changing planet. To advance a comprehensive understanding of functional biodiversity requires a highly integrative approach - including consideration of spatial and temporal dimensions from the organismal to the ecosystem level and from recent to deep timescales.

Proposals are due March 29, 2023 and March 21, 2024. An estimated \$14 million to \$17 million is available to fund 8 to 12 awards.

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

Cultural Transformation in the Geoscience Community
National Science Foundation (NSF)

Notice seeking proposals to simultaneously address two major challenges that require immediate action: foster a just, equitable and inclusive geoscience research community that reflects the diversity of the United States; and develop a workforce with the skills required to understand how the Earth system can continue to sustain society.

Applications are due April 3, 2023. An estimated \$10 million is available to fund about 11 awards.

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

Emerging Mathematics in Biology
National Science Foundation (NSF)

Notice seeking proposals to stimulate fundamental interdisciplinary and potentially transformative research pertaining to the development of innovative mathematical/statistical/computational theories, tools, and modeling approaches to investigate challenging questions of great interest to biologists and public health policymakers.

Applications are due March 22, 2023. An estimated \$2 million to \$6 million is anticipated to fund 10 to 15 awards.

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

Future of Work at the Human-Technology Frontier: Core Research
National Science Foundation (NSF)

Notice seeking proposals to support multi-disciplinary research to sustain economic competitiveness, to promote worker well-being, lifelong and pervasive learning, and quality of life, and to illuminate the emerging social and economic context and drivers of innovations that are shaping the future of jobs and work.

Proposals are due March 30, 2023. An estimated \$30 million is available to fund 25 awards.

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

FY23 Dept of Navy (DoN) Science Technology Engineering & Mathematics (STEM) Education and Workforce Program
Navy (Navy), Department of Defense (Defense)

Notice seeking proposals for formal or informal education programs and activities that are primarily focused on physical and natural sciences, technology, engineering, social sciences, and mathematics disciplines, topics, or issues (including environmental science education or stewardship).

White papers are due April 14, 2023. Eight awards with a ceiling of \$600,000 are anticipated.

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

Machine Learning, Artificial Intelligence, and Data Resources for Fusion Energy Sciences
Department of Energy (Energy)

Notice seeking proposals in the areas of Machine Learning (ML), Artificial Intelligence (AI), and Data Resources for fusion energy and plasma sciences.

Required pre-applications are due January 31, 2023. An estimated six to ten awards with a ceiling of \$1.5 million are anticipated.

LINKS: [Grants.gov](#)

Partnerships for Innovation
National Science Foundation (NSF)

Notice seeking proposals to perform translational research and technology development, catalyze partnerships and accelerate the transition of discoveries from the laboratory to the marketplace for societal benefit.

Applications are due May 2, 2023. An estimated \$30 million is available to fund about 25 to 55 awards.

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

Pathways into the Earth, Ocean, Polar and Atmospheric & Geospace Sciences
National Science Foundation (NSF)

Notice seeking proposals that specifically address the current needs and opportunities related to education, learning, training and professional development within the geosciences community through the formation of STEM Learning Ecosystems that engage students in the study of the Earth, its oceans, polar regions and atmosphere.

Applications are due March 27, 2023. 15 awards are anticipated.

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

ROSES 2022: Ultraviolet Transient Astronomy Satellite Participating Scientists
National Aeronautics and Space Administration (NASA)

Notice seeking proposals for projects associated with the upcoming Ultraviolet Transient Astronomy Satellite mission.

Applications are due March 31, 2023. An estimated eight to ten awards with a ceiling of \$70,000 per year are anticipated.

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

Scholarships in STEM Network
National Science Foundation (NSF)

Notice seeking proposals to foster a network of S-STEM stakeholders and further develop the infrastructure needed to generate and disseminate new knowledge, successful practices and effective design principles arising from NSF S-STEM projects nationwide.

Applications are due March 29, 2023. An estimated \$15 million is available to fund one to five awards.

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

Signals Intelligence (SIGINT) Solutions for Evolving Scenarios (SSES)
Department of Defense (Defense)

Notice seeking proposals for innovative research to develop emerging SIGINT real-time processing solutions to improve tactical information extraction, identification, analysis and reporting in support of the Intelligence Community.

Required white papers are due August 15, 2023. Multiple awards are anticipated with a maximum award amount of \$5 million.

LINKS: [Contract Opportunities](#)

AMMTO-BTO and OE FY22 Multi-Topic FOA
Department of Energy (Energy), Advanced Materials and Manufacturing Technologies Office (AMMTO);
Building Technologies Office (BTO)

Notice seeking applications to: Validate and demonstrate next generation materials and manufacturing processes including domestic pilot demonstrations and related technologies to support the transition to U.S. manufacturing; Enable environmentally and socially responsible domestic manufacturing with diversified domestic supply of feedstocks including from recycled goods; and Mature nascent technologies, processes, and methods that improve the performance and market penetration of clean energy technologies and emerging building efficiency technologies.

Concept papers are due February 3, 2023. Estimated \$52 million is available to fund 18 to 36 awards.

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

Broad Agency Announcement (BAA) NAWCAD WOLF ASI Division
Department of Defense (Defense), Naval Air Warfare Center Aircraft Division (NAWCAD); Webster Outlying Field Airborne Systems Integration Division (WOLF ASI)

Notice seeking proposals for research and development support in technologies that are applicable to the following: air platforms, manned and unmanned payloads, advanced computing and processing, air platform support systems, advanced air system security and protection, and improved naval air capabilities.

Phase 1 proposals are due any time until November 18, 2023. Multiple awards are anticipated.

LINKS: [Contract Opportunities](#)

Climate Program Office (CPO), Earth System Science and Modeling Research for Coastal Inundation
National Oceanic and Atmospheric Administration (NOAA), Department of Commerce (Commerce)

Notice seeking proposals to advance scientific understanding of Earth's atmosphere, ocean, land, and cryosphere as an integrated system and to improve NOAA's Earth system climate models and predictions.

Applications are due March 17, 2023. Estimated \$2.4 million is available to fund four to six awards.

LINKS: [Grants.gov](#)

Foundational Security for Food Systems (FS2) Disruption Opportunity (DO) Information Session
Defense Advanced Research Projects Agency (DARPA), Department of Defense (Defense)

Notice announcing an information session to potential proposers on the objectives of the Foundational Security for Food Systems (FS2) Disruption Opportunity (DO). The FS2 program will explore a pathway-based approach to provide advanced threat detection and warning of crop damage irrespective of the triggering agent. FS2 will conduct research to test the feasibility of applying this approach for defense of cereal crops, specifically rice and corn.

The Information Session will be held via webcast on January 17, 2023, from 3:00 p.m. to 4:00 p.m. Advance registration is required for viewing the webcast. Registrations are due January 10, 2023

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