

UNO FOCUS:

Gulf Research Program (GRP)
National Academies of Sciences, Engineering, and Medicine

The National Academies of Sciences, Engineering, and Medicine's Gulf Research Program (GRP) is currently accepting applications for two GRP's Early-Career Research Fellowship tracks – Offshore Energy Safety and Education Research.

GRP's Early-Career Research Fellowship (ECRF) – Environmental Protection and Stewardship track is currently accepting applications, with applications due in a few weeks - by August 23, 2023. Early-Career Research Fellows receive two years of funding (\$76,000) to pursue innovative research and unique collaborations with independence, flexibility, and a built-in support network.

LINKS: [NationalAcademies.org](https://www.nationalacademies.org)

Graduate Research Fellowship Program (GRFP)
National Science Foundation (NSF)

The program recognizes and supports outstanding graduate students who are pursuing full-time research-based master's and doctoral degrees in science, technology, engineering, and mathematics (STEM) or in STEM education. The GRFP provides three years of support over a five-year fellowship period for the graduate education of individuals who have demonstrated their potential for significant research achievements in STEM or STEM education. NSF actively encourages submission of applications from the full spectrum of diverse talent in STEM.

Application deadlines are as follows:

- October 16, 2023 for Life Sciences
- October 17, 2023 for Computer and Information Science and Engineering, Materials Research, Psychology, Social Sciences, STEM Education and Learning
- October 19, 2023 for Engineering
- October 20, 2023 for Chemistry, Geosciences, Mathematical Sciences, Physics and Astronomy

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

Energy Transition Research Symposium
LSU Center for Energy Studies

Sponsored by the Louisiana Board of Regents, the event will bring together energy researchers from across the state and across disciplines. Researchers are invited to submit an abstract or full working paper to be included in the program. Representatives from all academic disciplines are welcome and encouraged to attend. Government and industry, as well as out-of-state researchers whose work focuses on Louisiana energy issues, are also invited to participate.

Researchers are invited to submit an abstract or full working paper to be included in the program by August 18, 2023.

LINKS: [LSU.edu](https://lsu.edu)

ARTS, HUMANITIES, and INTERNATIONAL

Laura Bush 21st Century Librarian Program (2024)
Institute of Museum and Library Services

Notice seeking proposals for the training and professional development of library and archives professionals; developing faculty and information leaders; and recruiting, educating, and retaining the next generation of library and archives professionals in order to develop a diverse library and archival workforce and meet the information needs of their communities. Multiple project types are available. Cost-sharing is required for implementation grants.

Applications are due September 20, 2023. Amounts vary by project type. Multiple awards of each type are anticipated.

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

National Leadership Grants for Libraries (2024)
Institute of Museum and Library Services

Notice seeking proposals for projects that address critical needs of the library and archives fields and have the potential to advance practice and strengthen library and archival services for the American public. Multiple project types are available. Cost-sharing is required for implementation grants.

Applications are due September 20, 2023. Amounts vary by project type. Multiple awards of all types are anticipated.

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

NEA Literature Fellowships: Translation Projects, FY2025
National Endowment for the Arts

Notice seeking applications to support projects for the translation of specific works of prose, poetry, or drama from other languages into English. The work to be translated should be of interest for its literary excellence and merit.

Applications are due January 18, 2024. Grants are up to \$25,000.

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

The Teaching Advancement Program "Teachers of Tomorrow" (TOT)
State

Notice seeking proposals to manage a 12-to-18-month program aimed at improving quality of primary and secondary education through improved pre-service teacher preparation and professional capacity building of in-service teachers and teacher educators/university faculty.

Applications are due September 7, 2023. Estimated \$200,000 is available.

LINKS: [Grants.gov](#)

EDUCATION and ECONOMIC & COMMUNITY DEVELOPMENT

Clean Communities Investment Accelerator (CCIA)
Environmental Protection Agency

Notice seeking proposals from hub nonprofits that will provide funding and technical assistance to specific industry networks of public, quasi-public, not-for-profit, and nonprofit community lenders, supporting the goal that every community in the country has access to the capital they need to deploy clean technology projects in their homes, small businesses, schools, and community institutions.

Applications are due October 12, 2023. Estimated \$6 billion is anticipated to fund up to seven awards.

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

FAA Aircraft Pilots Workforce Development Grant Program
U.S. Department of Transportation

Notice seeking applications to attract future aircraft pilots, aerospace engineers, or unmanned aircraft systems operators to the aviation industry throughout the United States (U.S.) and U.S. Territories.

Applications are due August 16, 2023. Estimated \$4.5 million is available to fund nine awards.

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

FAA Aviation Maintenance Technical Workers Workforce Development Grant Program
U.S. Department of Transportation

Notice seeking applications to provide grants to support the education and recruitment of aviation maintenance technical workers and the development of the aviation maintenance workforce. The Program aims to provide meaningful educational experiences to stimulate interest and encourage students throughout the Nation to prepare to enter this career field.

Applications are due August 16, 2023. Estimated \$9 million is available to fund 18 awards.

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

Rural Energy for America (REAP) Technical Assistance Grant (TAG) Program
U.S. Department of Agriculture

Notice seeking proposals to provide technical assistance to Agricultural Producers and Rural Small Businesses applying to Rural Energy for America, with priority for Applicants assisting distressed/disadvantaged communities, Applicants pursuing projects using underutilized technologies, and Applicants pursuing projects under \$20,000.

Applications are due August 15, 2023. An estimated 200 awards with a ceiling of \$500,000 are anticipated.

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

HEALTH and MENTAL HEALTH

DoD Kidney Cancer, Clinical Consortium Award
Defense

Notice seeking proposals to develop and enhance collaborations and resources necessary for a network of organizations to rapidly execute phase 2 or phase 2-linked phase 1 (phase 1/2) kidney cancer clinical trials.

Required pre-applications are due October 26, 2023. Estimated \$10.8 million is available to fund up to seven awards.

LINKS: [Grants.gov](#)

Molecular Atlas of Lung Development Program (LungMAP) Phase 3 - Research Centers (U01 Clinical Trial Not Allowed)

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

Notice seeking applications to build a comprehensive molecular and cellular atlas of the human lung to serve as a reference platform to better understand both normal biology and disease pathobiology, and to identify critical cellular components, molecular pathways, and novel therapeutic targets in lung disease. RCs will be expected to obtain and analyze pediatric and adult lung tissues in order to generate high-resolution molecular profiling data of the diseased lung.

Applications are due October 27, 2023. Estimated \$3.85 million per year is available to fund five awards.

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

ARPA-H Open Office BAA

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

Notice seeking applications to accelerate better health outcomes for everyone by supporting the development of high-impact solutions to society's most challenging health problems. Awardees will develop groundbreaking new ways to tackle health-related challenges through high-potential, high-impact biomedical and health research. ARPA-H has identified four initial focus areas that are a priority for investment: Health Science Futures; Scalable Solutions; Proactive Health; and Resilient Systems.

Required abstracts are March 14, 2024. Multiple awards are anticipated.

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

Ending the Epidemic: New Models of Integrated HIV-AIDS, Addiction, and Primary Care Services (R01 and R34 Clinical Trial optional)

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

Notice seeking applications to support the development and testing of enhanced models of care that optimally integrate HIV, Hepatitis B and C, addiction, and primary care services.

Applications are due August 20, 2024. Estimated \$2 million is available for both mechanisms.

LINKS: [Grants.gov \(R34\)](#); [Grants.gov \(R01\)](#)

HEAL Initiative: Novel Targets for Opioid Use Disorders and Opioid Overdose (R21 and R01 Clinical Trial Not Allowed)

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

Notice seeking applications to support research focusing on the identification of druggable new targets and the discovery of optimizable probes for the development of safe and efficacious medications to prevent and treat opioid use disorders (OUDs), opioid overdose, and opioid-polysubstance use comorbidities.

Applications are due February 1, 2024. Estimated \$5 million is available to fund 8 to 10 awards.

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

Health Equity and the Cost of Novel Treatments for Alzheimer's Disease (AD) and AD-Related Dementias (ADRD) (R61-R33 Clinical Trial Not Allowed)

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

Notice seeking applications to address health equity, drug costs, and access to new therapeutics for people living with Alzheimer's disease (AD) and AD-related dementias (ADRD).

Applications are due October 31, 2023. Estimated \$1.2 million is available to fund four awards.

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

Mechanisms of Fusion-Driven Oncogenesis in Childhood Cancers (U01 Clinical Trial Not Allowed)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking applications for basic research projects investigating the molecular mechanisms by which fusion oncoproteins drive pediatric cancers.

Applications are due November 15, 2023. Estimated \$3.3 million is available to fund six awards.

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

Microglial Pathophysiology in Comorbid Substance Use Disorder (SUD) and HIV (R61-R33 Clinical Trial Not Allowed)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking applications that examine protein interaction networks in HIV-infected microglia, and how these host-viral interactions contribute to cell type- and brain region-specific alterations in cellular signaling in the context of comorbid HIV and substance use disorder (SUD).

Applications are due August 21, 2024. Estimated \$2.5 million is available to fund three to six awards in FY 2025.

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

Social disconnection and Suicide Risk in Late Life (R01 and R21 Clinical Trial Optional)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking applications to encourage research that addresses the link between social disconnection in late-life and late-life suicidal thoughts and behaviors. Of specific interest is research that identifies mechanisms by which social disconnection confers risk for, and social integration protects against, suicidal thoughts and behaviors in late life.

R21 applications are due annually on October 16, February 16, and June 16. R01 applications are due annually on October 5, February 5, and June 5.

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

SCIENCE, TECHNOLOGY, ENGINEERING, and MATHEMATICS

BIL - Front-End Engineering and Design Studies for Production of Critical Minerals and Materials from Coal-Based Resources
Energy

Notice seeking proposals for Front-End Engineering and Design studies for two different sizes, intermediate-scale and demonstration-scale, of Rare Earth Element Facilities that demonstrate the

extraction, separation, and refining from coal and coal by-products to high purity individual or binary rare earth metals and/or critical minerals and materials.

Applications are due September 11, 2023. An estimated six awards with a ceiling of \$8 million are anticipated.

LINKS: [Grants.gov](#)

Climate Program Office FY2024
Commerce

Notice seeking proposals to advance understanding of Earth's climate system through interdisciplinary, integrated scientific research, and leverage the resulting knowledge, data, and systems to enhance society's ability to plan and respond to climate variability and climate change.

Applications are due November 17, 2023. Estimated \$90 million is available to fund up to 90 awards in six competitions.

LINKS: [Grants.gov](#)

Graduate Research Innovation (GRIN) Award
Interior

Notice seeking proposals to prioritize and provide sound scientific studies to support the land management agencies and other stakeholders in addressing issues associated with wildland fire. Another goal is to reduce the occurrence and impacts of catastrophic wildfire by contributing to the underlying scientific understanding and decision support tools needed to make informed decisions.

Proposals are due September 28, 2023. Estimated \$300,000 to \$500,000 is available. 10 to 25 awards are anticipated.

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

Mathematical Sciences Postdoctoral Research Fellowships
National Science Foundation

Notice seeking proposals to support future leaders in mathematics and statistics by facilitating their participation in postdoctoral research environments that will have maximal impact on their future scientific development. Research Fellowships and Research Instructorships are available.

Applications are due October 18, 2023. Estimated \$8.5 million is available to fund 35 to 45 awards.

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

Regional Fire Science Exchange Announcement
Interior

Notice seeking proposals to lead and execute a particular regional fire science exchange for a period of two years.

Proposals are due September 28, 2023. Estimated \$4.2 million is available to fund up to nine awards.

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

DOE-NSF High Energy Physics Advisory Panel
Energy

Notice announcing a virtual meeting of the High Energy Physics Advisory Panel. The purpose of the meeting is to introduce new HEPAP members, discuss the ongoing International Benchmarking study and discuss the progress and plan for a new Particle Physics Project Prioritization Panel (P5) report.

The meeting will be held Monday, August 7, 2023, 10 a.m. to 4 p.m. ET. This meeting will be held digitally via Zoom.

LINKS: [Federal Register](#)

Request for Information – Advanced image simulation and 3D object extraction
DNI

Notice seeking information on established datasets and capabilities to create simulations of remotely sensed imagery, automated extraction of objects, and the construction of associated 3D models from remotely sensed imagery.

Responses are due August 4, 2023 to the contact.

LINKS: [Contract Opportunities](#)

Class of 2024 Vannevar Bush Faculty Fellowship (VBFF) Program
Defense

Notice seeking proposals for the purpose of conducting innovative basic research in areas of interest to the DoD and fostering long-term relationships between the VBFF Fellows and the DoD.

Applications are due February 9, 2024. An estimated ten awards with a ceiling of \$3 million are anticipated.

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

Computational and Data-Enabled Science and Engineering
National Science Foundation

Notice seeking proposals to identify and capitalize on opportunities for major scientific and engineering breakthroughs through new computational and data-analysis approaches and best practices. It supports projects that harness computation and data to advance knowledge and accelerate discovery above and beyond the goals of the participating individual programs.

Proposals are due accepted anytime.

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

Dahlgren University Research and Development (R&D) Projects and Capstone Projects
Defense

Notice seeking proposals to develop student interests in Naval engineering with an eye toward future employment. It is interested in receiving proposals directed toward student and faculty general research projects where the focus is upon priority technologies and capabilities, and it is for novel research projects whose intent is the development of future naval scientists and engineers.

Proposals are due at any time during the one-year period. The first evaluation cycle is to occur in August 2023. Multiple awards are anticipated.

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

FY24 DOD HBCU-MI Equipment and Instrumentation
Defense

Notice seeking applications for acquisition of equipment/instrumentation to be used for research in areas of interest to the Agencies and to enhance the education of students in areas of science, technology, engineering and mathematics (STEM) that align with the Agencies' research interests.

Applications are due September 15, 2023. Estimated \$45 million is available.

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

Mathematical Sciences Research Institutes
National Science Foundation

Notice seeking proposals that aim to advance research in the mathematical sciences through programs supporting discovery and dissemination of knowledge in mathematics and statistics and enhancing connections to related fields in which the mathematical sciences can play important roles. Institute activities help focus the attention of some of the best mathematical minds on problems of particular importance and timeliness.

Proposals are due March 14, 2024. Estimated \$40 million is available to fund five to eight awards.

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

NSF National Quantum Virtual Laboratory
National Science Foundation

Notice seeking proposals for identifying and fostering early adoption of quantum technologies to transform the field of Quantum Information Science and Engineering (QISE) and to accelerate broader impacts on society.

Required letters of intent are due October 6, 2023. Estimated \$10 million is available to fund up to 10 awards.

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

Ocean Exploration Education Funding Opportunity Announcement
Commerce

Notice seeking proposals to raise awareness of the importance of the ocean, ocean exploration, and STEM (science, technology, engineering, and math) education and is committed to improving America's environmental literacy by bringing the excitement of ocean exploration and discovery to a wide variety of diverse audiences.

Proposals are due September 15, 2023. Estimated \$500,000 per year is available.

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

Underserved and Indigenous Community Microgrids (UICM)
Energy

Notice seeking proposals to conduct research, development and demonstrations (RD&D) to develop and implement replicable microgrid solutions for underserved and Indigenous communities in remote and islanded regions throughout the United States.

Applications are due September 15, 2023. An estimated 12 awards with a ceiling of \$2 million are anticipated.

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

Waste Upcycling for Defense (WUD) Defense

Notice seeking proposals to explore the technical risks in developing new, scalable wood upcycling methodologies to create densified wood products in an efficient manner suitable for eventual field use.

Proposals are due September 14, 2023. Abstracts are strongly encouraged and due August 15, 2023. Multiple awards are anticipated. A webinar will be held on August 1, 2023 at 1 p.m. Registrations are due July 31, 2023.

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