

UNO FOCUS:

Research Award Program (RAP)
LA NASA EPSCoR

The RAP sub-program is designed for those researchers who have made a NASA contact and are ready to take the next step of initiating a small project. This could involve almost any type of NASA relevant work, such as utilizing a specific NASA facility, employing NASA expertise, or building upon previous NASA work (akin to technology/knowledge transfer) or working with a NASA group on problems of common interest. In all cases, the Louisiana researcher must have the support of a NASA researcher and include a plan for developing a research partnership, and the proposal must clearly state which Mission Directorate this project aligns with. The goal is to develop larger, longer-lasting collaborative projects that can transition to the next level. RAP Projects are designed to provide seed grants for R&D that have a demonstrated tie-in to a NASA priority. Projects are open to any area relevant to NASA's mission. Each project proposal must include a NASA Collaboration Development Plan that describes what effort has already been, and will be, undertaken to establish a partnership with one or more NASA researchers.

Notices of intent are due December 6, 2024. Proposals are due January 17, 2025.

LINKS: [RAP](#)

ARTS, HUMANITIES, and INTERNATIONAL

USAID Access Miah
Agency for International Development

Notice seeking proposals to implement an activity to save lives, decrease disease, and increase the potential of women, newborns, children, and communities to thrive by increasing the quality and equity of services, reducing mortality and increasing coverage of lifesaving interventions through the support of the primary health care (PHC) system in Madagascar.

Proposals are due November 27, 2024. An estimated \$90 million is available to fund multiple awards over five years.

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

FY2024 Historic Preservation Fund- Save America's Treasures - Preservation Grants
Interior

Notice seeking proposals to provide preservation and/or conservation assistance to nationally significant historic properties and collections. Grants are awarded through a competitive process and require a dollar-for-dollar, non-Federal match, which can be cash or documented in-kind.

Proposals are due December 12, 2024. An estimated \$25.5 million is available to fund 55 awards.

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

FY2024 Historic Preservation Fund- Save America's Treasures- Collection Grants
Interior

Notice seeking proposals to provide preservation and/or conservation assistance to nationally significant historic properties and collections. For collections, the program supports museums, libraries, archives, and all other collecting institutions in addressing conservation needs of nationally significant collections including physical conservation, care, and collections management.

Proposals are due December 12, 2024. An estimated \$25.5 million is available to fund 50 awards. Cost sharing is required.

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

EDUCATION and ECONOMIC & COMMUNITY DEVELOPMENT

Personnel Development to Improve Services and Results for Children with Disabilities--Preparation of Special Education, Early Intervention, and Related Services Leadership Personnel, Assistance Listing Number 84.325D
Education

Notice seeking proposals to (1) help address State-identified needs for personnel preparation in special education, early intervention, related services, and regular education to work with children, including infants and toddlers, with disabilities; and (2) ensure that those personnel have the necessary skills and knowledge, derived from practices that have been determined through scientifically based research and experience, to be successful in serving those children.

Proposals are due November 22, 2024. An estimated \$3 million is available to fund up to 12 awards.

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

Heritage Interpretive Assistance
U.S. Department of Agriculture

Notice seeking responses to foster co-stewardship between USDA Forest Service and educational, interpretive and history focused partners to assist the agency to interpret and educate the public on natural and cultural resources issues associated with 193 million acres of lands managed by the agency.

Responses are due February 7, 2025 to the contact or [grants.gov](#).

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

Recreation Sites and Visitor Services: Creating Quality Recreation Experiences
U.S. Department of Agriculture

Notice seeking feedback to foster a shared commitment to quality recreation experiences on National Forest System lands. New partnerships will help add capacity in support of a growing interest in outdoor recreation.

Responses are due February 7, 2025 to the contact or [grants.gov](#).

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

2025 Regional Ecosystem Research (RER) Program: Understanding Species' Habitat Usage and Connectivity in and around Marine Protected Areas
Commerce

Notice seeking proposals for projects to understand species' habitat usage and connectivity in and around marine protected areas. This information will be used to improve the ability of resource managers to address habitat connectivity, species' habitat affinities, and spatial and temporal usage of habitats in management plans for marine protected areas.

Proposals are due January 23, 2025. An estimated \$2 million is available for awards.

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

Field Initiated Projects Program (Research and Development)
U.S. Department of Health and Human Services

Notice seeking proposals to generate new knowledge through research or to develop methods, procedures, and technologies -- to maximize the full inclusion and integration into society, employment, independent living, family/caregiver support, and economic and self-sufficiency of people with disabilities, especially people with the greatest support needs.

Proposals are due December 9, 2024. An estimated \$3.7 million is available to fund up to 15 awards across both programs.

LINKS: [Grants.gov \(Research\)](#); [Grants.gov \(Development\)](#)

Fiscal Year (FY) 2024 – 2026 Garrett A. Morgan Technology and Transportation Education Program
U.S. Department of Transportation

Notice seeking proposals to 1) attract K-12 students in underrepresented groups to STEM education and careers in the transportation industry; 2) create a talent pipeline from GAMTTEP to other FHWA Workforce Development Programs and other transportation careers; 3) foster creativity and forward-thinking by incorporating modern technologies, real-world problem-solving, and hands-on experiences in the curriculum; and 4) develop strong partnerships between Government, educational institutions, and the private sector to create a collaborative community that supports and uplifts underrepresented groups in transportation.

Proposals are due January 10, 2025. An estimated \$1.8 million is available to fund up to six awards. Colleges and universities are eligible to partner.

LINKS: [Grants.gov](#)

Personnel Development to Improve Services and Results for Children with Disabilities--Preparation of Early Intervention and Special Education Personnel Serving Children with Disabilities who have High-Intensity Needs, ALN 84.325K
Education

Notice seeking proposals to help address State-identified needs for personnel preparation in early intervention, special education, related services, and regular education to work with children, including infants, toddlers, and youth with disabilities; and ensure that those personnel have the necessary skills and knowledge, derived from practices that have been determined through scientifically based research, to be successful in serving those children.

Applications are due December 3, 2024. Awards are up to \$350,000.

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

Personnel Preparation of Special Education, Early Intervention, and Related Services Personnel at Historically Black Colleges and Universities, Tribally Controlled Colleges and Universities, and Other Minority Serving Institutions, ALN 84.325M
Education

Notice seeking proposals to help address State-identified needs for personnel preparation in special education, early intervention, related services, and regular education to work with children, including infants, toddlers, and youth with disabilities; and ensure that those personnel have the necessary skills and

knowledge, derived from practices that have been determined through scientifically based research, to be successful in serving those children.

Applications are due December 12, 2024. Awards are up to \$350,000.

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

Rural Energy for America Program (REAP)
U.S. Department of Agriculture

Notice seeking proposals to help agricultural producers and rural small businesses, including those Tribally owned or Tribal member owned, reduce energy costs and consumption and helps meet the Nation's critical energy needs. The REAP has two types of funding assistance: RES/EEI assistance and EA and REDA grants.

Proposals are due December 31, 2024 and March 31, 2025.

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

HEALTH and MENTAL HEALTH

Occupational Safety and Health Education and Research Centers (T42)
U.S. Department of Health and Human Services, Centers for Disease Control and Prevention

Notice seeking proposals for Education and Research Centers (ERCs) that are focused on occupational safety and health (OSH) training. NIOSH is mandated to provide an adequate supply of qualified personnel to carry out the purposes of the Occupational Safety and Health Act, and the ERCs are one of the primary means for meeting this mandate. Only one proposal is allowed.

Proposals are due December 17, 2024. An estimated \$32 million is available to fund up to 18 awards.

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

Statement of Organization, Functions, and Delegations of Authority
U.S. Department of Health and Human Services

Notice of amendments to the Statement of Organization, Functions, and Delegations of Authority for the Department of Health and Human Services to reflect recent adjustments to the organization structure. New offices and division structures are outlined in the Federal Register announcement.

See Federal Register for updated structure.

LINKS: [Federal Register](#)

Continuation or Revision of NIDCR Clinical Trial Planning and Implementation Cooperative Agreement (UH3 Clinical Trial Required)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals for competing renewal or competitive revision of ongoing clinical trials supported by the NIDCR. NIDCR strongly encourages applicants to contact the Scientific/Research contact assigned to the ongoing clinical trial for which they are planning a competing renewal or competitive revision prior to submitting an application to this solicitation.

Proposals are due March 7, 2025; July 8, 2025; November 6, 2025; March 9, 2026; July 8, 2026; November 9, 2026; March 8, 2027; July 7, 2027; and November 8, 2027. Multiple awards are available.

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

Epidemiologic Research on Emerging Risk Factors and Liver Cancer Susceptibility (R01 and R21 Clinical Trial Not Allowed)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals to support epidemiologic research investigating novel and innovative hypotheses on emerging risk factors (biological, environmental, and social) and their interplay with established risk factors (e.g., viral hepatitis) associated with the development of liver cancer (hepatocellular carcinoma and other histological subtypes) in the United States.

R01 applications are due February 5, 2025 and R21 applications are due February 16, 2025. Multiple awards are available.

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

HEAL Initiative: Understanding Individual Differences in Human Pain Conditions (R01 - Clinical Trial Optional)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking research proposals aimed at holistic understanding of inter-individual or between-person differences in human pain conditions, focusing on 'Whole Person Health' and enhancing pain treatment and management strategies towards personalized pain medicine.

Proposals are due February 6, 2025. Awards are up to \$650,000.

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

Interventions to expand cancer screening and preventive services to ADVANCE health in populations that experience health disparities (R01, Clinical Trial Required)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals to address barriers and facilitators that impede use or uptake of cancer screening and preventive services in populations that experience health disparities. Interventions should include screening, preventive services, or other healthcare processes, including timely follow-up of abnormal findings, and referral to accessible care. Projects are encouraged to leverage collaborations with community partners and service providers. Interventions should address barriers and facilitators at two or more of the following levels: patient, clinician, healthcare setting, and neighborhood/community.

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

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

NCI National Clinical Trials Network - Network Lead Academic Participating Sites (UG1 Clinical Trial Not Allowed)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals from institutions/organizations that propose to maintain or establish Network Lead Academic Participating Sites (LAPS) for the NCI National Clinical Trials Network (NCTN). The NCTN Network LAPS will provide scientific leadership by helping to develop and conduct clinical trials in association with one or more adult U.S. Network Groups and will contribute substantial accrual to clinical trials conducted across the entire NCTN.

Proposals are due February 24, 2025. An estimated \$35.1 million is available to fund 32 to 40 awards of up to \$1.7 million per year are available to support projects lasting up to six years. Eligible institutions/organizations for the purposes of this application are defined as an academic hospital and/or academic clinic program providing direct medical care to patients that is considered one integral organizational entity under a single financial management system and governance structure.

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

Advisory Committee on Minority Health
U.S. Department of Health and Human Services

Notice announcing a meeting of the Advisory Committee on Minority Health. The focus will be opportunities for engagement with racial, ethnic, and tribal community-level organizations to support increased awareness of the race and ethnicity data collection standards and their intended goals within their communities.

The meeting will be held on November 14-15, 2024 from 8:30 a.m. to 5:30 p.m. EST each day. The meeting will be held at the Tower Building at 1101 Wootton Parkway, Lower-Level Conference Room, Rockville, Maryland and will be accessible by webcast.

LINKS: [Federal Register](#)

Assay Validation of High Quality Markers for Clinical Studies in Cancer (Clinical Trial Not Allowed)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals to support the validation of molecular/cellular/imaging markers and assays for cancer detection, diagnosis, prognosis, monitoring, and prediction of response or resistance to treatment, as well as markers for cancer prevention and control.

Proposals are due mid-February, June, and October through October 15, 2026. Multiple awards expected up to \$275, 000.

LINKS: [Grants.gov \(UH2/UH3\)](#); [Grants.gov \(UH3\)](#)

Building Biomedical Engineering Education, Research, and Innovation at Historically Black Colleges and Universities (HBCU eBETA) (UG3-UH3 Clinical Trial Not Allowed)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals to enhance bioengineering and imaging research capacity, technology innovation, education and research training, and opportunities for scientific growth at HBCUs in order to utilize the Nation's full range of talent in meeting the growing need to accelerate the development and translation of high-impact biomedical innovation and technologies.

Proposals are due September 30, 2025. An estimated \$2.4 million is available to fund up to five awards.

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

Computational ADME Tox AnaLYsis for Safer Therapeutics (CATALYST) Innovative Solutions Opening
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals to develop AI/ML-enabled in silico human physiology modeling platforms for ADME-Tox simulation to replace the poorly predictive investigational new drug (IND) IND-enabling preclinical animal studies currently used. Drug research and development (R&D) rely on in vivo animal model testing as a preliminary step towards FDA approval.

Solutions Summaries are due November 25, 2024. Proposals are due January 31, 2025. Multiple awards are anticipated.

LINKS: [Contract Opportunities](#)

Data Coordinating Center for NCCIH Multi-Site Investigator-Initiated Clinical Trials of Mind and Body Interventions (Collaborative U24 Clinical Trial Required)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals to propose a comprehensive plan that provides overall project coordination, and administrative, data management, and biostatistical support for the proposed clinical trial.

Proposals are due February 20 and June 20 (June 22 in 2026) through July 15, 2026. Awards start at \$500,000.

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

Emerging Global Leader Award (K43)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals to provide research support and protected time (three to five years) to a low- or middle-income country (LMIC) early career research scientist who holds a junior faculty position at an LMIC academic or research institution.

Proposals are due December 3 annually through 2026. Awards are up to \$100,000.

LINKS: [Grants.gov \(PAR-24-295\)](#); [Grants.gov \(PAR-24-296\)](#)

Ending the Epidemic: New Models of Integrated HIV-AIDS, Addiction, and Primary Care Services
U.S. Department of Health and Human Services, National Institutes of Health

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

Proposals are due March 19, 2025. An estimated \$2 million is available across both funding mechanisms.

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

New Therapeutic Strategies for Genital Herpes (R21-R33 Clinical Trial Not Allowed)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals that propose research into a broad range of therapeutic approaches, including but not limited to development of new or improved antivirals, monoclonal antibodies, therapeutic vaccines, and gene editing technologies for treatment of people living with genital herpes.

Optional letters of intent are due 30 days before the due date. Proposals are due January 31, 2025. An estimated \$3.5 million is available to fund up to 10 awards.

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

National Heart, Lung, and Blood Institute; Notice of Meeting
U.S. Department of Health and Human Services, National Institutes of Health

Notice announcing meeting of the Sleep Disorders Research Advisory Board to update it and public stakeholders on the research agenda across NIH for the upcoming fiscal year, and the activities of professional societies.

The meeting will be held December 5, 2024, from 11:00 a.m. to 5:00 p.m. ET. Registration is required: https://nih.zoomgov.com/webinar/register/WN_DE1zt3OOQqSGZFeVEJS6jw

LINKS: [Federal Register](#)

SCIENCE, TECHNOLOGY, ENGINEERING, and MATHEMATICS

FY 2024 – 2026 Broad Agency Announcement (BAA), Office of Oceanic and Atmospheric Research (OAR) Commerce

Notice seeking proposals for special projects and programs associated with NOAA's strategic plan and mission goals. Each NOAA Line Office that supports financial assistance (National Marine Fisheries Service, National Ocean Service, National Weather Service, Office of Atmospheric Research, Office of Education, and National Environmental Satellite Data Information Service) has a separate announcement, so applicants should submit their application to the BAA for the Line Office that best fits their application. Agency priorities include: ocean exploration, climate adaptation and mitigation, healthy oceans, and resilient coastal communities and economies.

Proposals will be received on a rolling basis until September 30, 2026.

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

National Bycatch Reduction Engineering Program (BREP) - FY2025
Commerce

Notice seeking proposals for projects developing technological solutions and changes in fishing practices designed to minimize the bycatch of fish and protected species, including Endangered Species Act-listed fish, marine mammals, seabirds, and sea turtles, and to reduce impacts to invertebrates, including sponges, deep-sea corals, and shallow, tropical corals. Additionally, projects that pursue ways to minimize mortality and injury of bycaught species, including post-release injury and mortality may be considered.

Required pre-proposals are due December 13, 2024. Full proposals are due March 21, 2025. An estimated \$2.3 million is available to fund 10-15 awards at amounts ranging from \$50,000 - \$350,000 to support projects lasting up to 18 months.

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

National Environmental Youth Advisory Council
Environmental Protection Agency

Notice seeking participation in a public meeting of the National Environmental Youth Advisory Council (NEYAC). The meeting agenda will include the final recommendations to EPA on the topics the council has been deliberating, which include environmental justice and youth, climate change and environmental justice, and food loss and waste. EPA will also present the next set of questions to the NEYAC.

The meeting will be held Tuesday, October 22, 2024. Registration is required. See the Federal Register posting for registration instructions. To participate in public comments, registration must be received by October 15, 2024.

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

Visiting Committee on Advanced Technology
Commerce

Notice seeking participation in a public meeting of the Visiting Committee on Advanced Technology (VCAT). The primary purpose of this meeting is for the VCAT to review and make recommendations regarding general policy for the National Institute of Standards and Technology (NIST), its organization, its budget, and its programs. The agenda for the open portion of the meeting will include an update on major programs at NIST. It will also include discussions of the recommendations from the Subcommittee on U.S. International Standards Development Activity; programmatic updates on safety; post-quantum cryptography; advanced communications; and artificial intelligence.

The public portion of the meeting will be held October 29, 2024. Registration is required by October 11, to attend. To participate in public comments, requests must be made by October 18.

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

At-Risk Plants and Pollinators and their Ecological Conditions
U.S. Department of Agriculture

Notice seeking feedback to continue being the leader in natural resource conservation by delivering the best science and land management strategies to sustain the Nation's "at-risk plant species" during the forest plan revision process and implementation of land and resource management plans. The agency is looking to ensure suitable ecosystems are sustained by restoration or maintaining species diversity and ecological productivity of at-risk plant species populations.

Responses are due February 7, 2025 to the contact or [grants.gov](#).

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

Bioacoustics Monitoring for Wildlife Management
U.S. Department of Agriculture

Notice seeking feedback to increase capacity to monitor wildlife including potential response to management actions by engaging partnerships from local communities who have a vested interest in management outcomes. This OOI reflects efforts to increase representation, including from diverse and underserved backgrounds.

Responses are due February 7, 2025 to the contact or [grants.gov](#).

LINKS: [Grants.gov](#)

Circularity for Secure and Sustainable Products and Materials: A Draft Strategic Framework RFI
Energy

Notice seeking information and feedback on the recent draft strategic framework. The document focuses on addressing and overcoming the unique challenges related to the recirculation of products and materials at the end-of-use or end-of-life back into the economy. It outlines the economic and environmental impact goals related to increasing product and material circularity. Particularly of interest is information and feedback on: ways to maximize the impact of the strategy; significant opportunities, challenges, and enablers to increase product and material circularity; technology advancement needed to achieve these objectives; and prioritization of future investments and data to support prioritization.

Feedbacks are requested by December 16, 2024.

LINKS: [Grants.gov](#)

Draft text: Habitable Worlds Observatory System Technology Demonstrations and Mission Architecture Studies
National Aeronautics and Space Administration

Notice seeking comments and questions on the draft text for a new Research Opportunities in Space and Earth Sciences (ROSES) program. Though awards go to for-profit businesses, opportunities for collaboration with institutions of higher education researchers are expected and anticipated.

Comments and questions are due October 23, 2024.

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

Partnership to Reach and Engage Underrepresented Audiences in a Fit-for-Purpose Outdoor Recreation Effort
U.S. Department of Agriculture

Notice seeking feedback to reach partners and explore partnerships with entities previously overlooked or underrepresented in visitor and recreation program implementation and design on national forest lands. We are looking to our partners to help us in our development process, locally, regionally, and nationally to reach visitor and outdoor recreation audiences not currently representative more effectively of our national demographics.

Responses are due February 7, 2025 to the contact or [grants.gov](https://www.grants.gov).

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

Partnerships for Aquatic and Watershed Restoration (PAWR)
U.S. Department of Agriculture

Notice seeking feedback to address aquatic and watershed restoration needs and empower local communities and partners to assist with implementation of activities. Partnerships will help to address restoration needs through projects that support watershed restoration to improve water quality, improve aquatic organism passage, or improve efficiencies for aquatic restoration activities on lands managed by USDA Forest Service.

Responses are due February 7, 2025 to the contact or [grants.gov](https://www.grants.gov).

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

Revegetation with Native Plants
U.S. Department of Agriculture

Notice seeking responses in potential partnerships to help collect, map, develop, monitor, and restore native plants, where needed. USDA Forest Service is also interested in engaging and educating community members, youth, veterans, tribes, students, underserved communities, and STEM (science, technology, engineering, and math) programs. Both partners would benefit through the sharing of knowledge, input to revegetation programs and priorities on national forest lands, and hands on knowledge identifying, handling, and processing native plant materials, and/or monitoring and documenting native plant revegetation success.

Responses are due February 7, 2025 to the contact or [grants.gov](https://www.grants.gov).

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

Wildlife Habitat Enhancement
Interior

Notice seeking feedback to increase capacity to improve wildlife habitat, including certain artificial structures, by engaging partnerships from local communities who have a vested interest in management outcomes. This OOI seeks to increase representation, including from diverse and underserved backgrounds.

Responses are due February 7, 2025 to the contact or grants.gov.

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

Wildlife Habitat Fencing
U.S. Department of Agriculture

Notice seeking feedback to increase capacity to improve wildlife habitat through removal, modification and or addition of wildlife friendly fence by engaging partnerships from local communities who have a vested interest in management outcomes. This OOI seeks to increase their representation -including from diverse and underserved backgrounds.

Responses are due February 7, 2025 to the contact or grants.gov.

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

Addressing Systems Challenges through Engineering Teams
National Science Foundation

Notice seeking proposals from interdisciplinary teams of researchers for enabling and transformative engineering research at the nano, micro, and macro scales that fuels progress in engineering system applications with high societal impact. This includes fundamental engineering research underlying advanced devices and components and their seamless penetration in communications, sensing, power, controls, networking, or cyber systems. The research is envisioned to be empowered by cutting-edge computation, synthesis, evaluation, and analysis technologies and is to result in significant impact for a variety of application domains in healthcare, homeland security, disaster mitigation, telecommunications, energy, environment, transportation, manufacturing, and other systems-related areas.

Proposals are due January 22, 2025. An estimated \$9 million is available to fund six to nine four-year awards ranging from \$1 million to \$1.5 million each.

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

Cultural Anthropology Program Senior Research Awards
National Science Foundation

Notice seeking proposals supporting fundamental, systematic anthropological research and training to increase understanding of the causes, consequences and complexities of human social and cultural variability. The Cultural Anthropology Program welcomes proposals from researchers in all sub-fields of cultural anthropology and research at any temporal or spatial scale.

Proposals are due January 15 and August 15 annually. An estimated \$4 million is available to fund up to 40 awards.

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

FY25 Minerva Research Initiative University Research Program

Defense

Notice seeking proposals to support innovative basic research projects that contribute to the advancement of social science and provides new methods and understandings on social and behavioral questions of security and defense-related interest.

White papers are strongly encouraged and due November 29, 2024. Proposals are due February 28, 2025. An estimated \$30 million is available to fund 15 awards.

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

Groundwater and Streamflow Information Program, National Ground-Water Monitoring Network Interior

Notice seeking proposals to support connecting new data providers to the National Ground-Water Monitoring Network (NGWMN) and to support existing data providers to maintain persistent data service and to enhance the NGWMN.

Proposals are due January 16, 2025. An estimated \$1.7 million is available for awards ranging from \$5,000 to \$300,000. Eligibility is limited to state and local governments but opportunities may exist for colleges and universities to collaborate.

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

Human-AI Communication for Deontic Reasoning Devops (CODORD) Defense

Notice seeking proposals to create new AI-based techniques for humans to author knowledge about deontics (obligations, permissions, and prohibitions) into an expressively flexible logical language (that has strong capabilities for automated reasoning), in an automated rather than manual fashion and using natural language (NL, e.g., English) rather than only logical language.

Proposals are due December 10, 2024. Abstracts are strongly encouraged and due October 31, 2024. The total award amount is limited to \$2 million.

LINKS: [Contract Opportunities](#)

MEP Center State Competition Commerce

Notice seeking proposals to establish and operate an MEP Center in one of the following states: Texas, Tennessee, New Hampshire, Oklahoma, Michigan, Virginia, Connecticut, North Carolina, Oregon, Colorado, and Indiana.

Proposals are due January 9, 2024. 11 awards are anticipated.

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

Request for Information (RFI) Plant Genetic Engineering for Energy Applications Energy

Notice seeking input for a potential ARPA-E program focused on the development of tools to enable plant genetic engineering and synthetic biology. Input is sought from a variety of potential stakeholders including plant scientists, plant geneticists, molecular biologists, synthetic biologists, crop breeders, and robotics and machine learning engineers. Additionally, ARPA-E seeks input from other stakeholders in the plant

biotechnology ecosystem, including seed producers, growers, plant transformation centers, and biotechnology companies.

Responses are due to the contact by November 11, 2024.

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

Artificial Intelligence and Machine Learning Applied to Nuclear Science and Technology Energy

Notice seeking proposals for research and development (R&D) efforts directed at artificial intelligence (AI) and machine learning (ML) for autonomous optimization and control of accelerators and detectors of relevance to current or next generation NP accelerator facilities and scientific instrumentation, as well as applications applying AI/ML to advance nuclear physics computations.

Required letters of intent are due November 14, 2024. Proposals are due January 14, 2025. Awards range from \$200,000 to \$3.5 million.

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

Generation III+ Small Modular Reactor Pathway to Deployment Energy

Notice seeking proposals that offers critical opportunities to spur “first mover” teams to deploy the first Gen III+ SMRs in the United States (U.S.) and to provide funding for “fast follower” deployment support, which will address key gaps that have hindered the domestic nuclear industry.

Proposals are due January 17, 2025. An estimated \$900 million is available to fund multiple awards. Cost sharing is required.

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

Genomics - Enabled Understanding and Advancing Knowledge on Plant Gene Function(s) Energy

Notice seeking proposals to understand regulatory elements, biological mechanisms and develop predictive models for dissecting multigene traits and their component parts that govern plant growth under different growing conditions, biochemical and signaling pathways; understand genetic components and molecular mechanisms underlying plant regeneration/organogenesis in tissue culture to improve heterologous DNA transfer to germlines of bioenergy crops; and understand genetic and molecular mechanisms that will reduce the cycle time for out-crossing energy crops (e.g. self-incompatibility) to speed development of new plant feedstocks underpinning a more broader and more competitive U.S. bioeconomy. One pre-application and application per institution.

Required pre-proposals are due December 2, 2024. Proposals are due February 10, 2025. An estimated \$25 million is available to fund 10 awards.

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

Inspiring Generations of New Innovators to Impact Technologies in Energy (IGNIITE) 2025 Energy

Notice seeking proposals to support early-career innovators seeking to convert disruptive and unconventional ideas into impactful new technologies across the full spectrum of energy applications. The program aims to empower these early-career scientists and engineers in becoming independent

researchers and unleashing their creativity to address the urgent energy-related challenges our society currently faces.

Concept papers are due November 15, 2024. An estimated \$10 million is available to fund multiple awards.

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

Microsystems Exploration
Defense

Notice seeking proposals to develop high-risk, high-reward technologies that enable revolutionary advances in materials, devices, and microsystems and continue DARPA's mission of creating and preventing strategic surprise. In order to capitalize rapidly on new opportunities, DARPA announces the Microsystems Exploration program which calls for faster responses with smaller, targeted investments.

Proposals are due any time until October 15, 2025. Multiple awards are anticipated.

LINKS: [Contract Opportunities](#)

NSWC Dahlgren BAA
Defense

Notice seeking proposals for College - University Student and Faculty Research Projects; College - University Student Capstone and Senior Research Projects; and other technology areas. The primary goal of these projects is to develop student interests in Naval engineering with potential of future employment.

Proposals accepted through October 14, 2025. Awards range from \$2,500 to \$3.5 million.

LINKS: [Grants.gov](#)

ROSES 2024: D.21 U.S. Contributions to Ariel Preparatory Science
National Aeronautics and Space Administration

Notice seeking proposals to enable U.S. community involvement in science investigations that support preparations for the European Space Agency's Ariel mission.

Required notices of intent are due December 12, 2024. Proposals are due February 4, 2025. Multiple awards expected.

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