

EDUCATION and ECONOMIC & COMMUNITY DEVELOPMENT

Capacity Building Grants for Non-Land Grant Colleges of Agriculture Program
U.S. Department of Agriculture

Notice seeking proposals for projects from any NIFA-certified Non-Land Grant College of Agriculture (NLGCA). Projects may include using the funds (a) to successfully compete for funds from federal grants and other sources to carry out educational, research, and outreach activities that address priority concerns of national, regional, State, and local interest; (b) to disseminate information relating to priority concerns to interested members of the agriculture, renewable resources, and other relevant communities, the public, and any other interested entity; (c) to encourage members of the agriculture, renewable resources, and other relevant communities to participate in priority education, research, and outreach activities by providing matching funding to leverage grant funds. The project may also include: (1) the purchase or other acquisition of equipment and other infrastructure (not including alteration, repair, renovation, or construction of buildings); (2) the professional growth and development of the faculty of the NLGCA Institution; and (3) the development of graduate assistantships.

Proposals are due November 15, 2024. An estimated \$5.7 million is available to fund 20 institutions. Award amounts will vary between \$150,000-\$750,000.

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

2030 Census Advisory Committee
CB

Notice announcing a public meeting of the 2030 Census Advisory Committee. The Committee will assist the Census Bureau in devising strategies to increase awareness of and participation in the next decennial census, reduce barriers to response, and enhance the public's trust and willingness to respond.

The meeting will be held October 17-18. Public comments must be submitted in writing. To attend the meeting virtually, visit: <https://www.census.gov/about/cac/2030cac/meetings/2024-10-meeting.html> for full agenda and links.

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

Meeting; National Board for Education Sciences
Education

Notice announcing a public meeting scheduled to discuss the education research activities of the Institute of Education Sciences (IES). The mission of IES is to provide national leadership in expanding fundamental knowledge and understanding of education from early childhood through postsecondary study, in order to provide parents, educators, students, researchers, policymakers, and the general public with reliable information about the condition and progress of education in the United States; educational practices that support learning and improve academic achievement and access to educational opportunities for all students; and the effectiveness of Federal and other education programs.

The public meeting will be held October 9, from 12:30 p.m. to 5:00 p.m. and October 10, from 9:00 a.m. to 2:00 p.m. (ET) at the Potomac Center Plaza building, 550 12th Street SW, 4th Floor, Washington, DC, and virtually via Microsoft Teams. Email the contact by October 4, 2024, to attend in person or via Teams.

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

Enhance Technical Assistance and Outreach to Farmers on Nutrient Management in the Western Lake Erie Basin (WLEBTA)
Environmental Protection Agency

Notice seeking proposals to increase adoption of nutrient management in the western Lake Erie basin watershed ("WLEB") by increasing technical assistance and outreach to farmers.

Proposals are due November 22, 2024. Questions are due November 15, 2024. An estimated \$4 million is available to fund 5 to 10 awards.

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

Reducing Lead in Drinking Water Grant Program
Environmental Protection Agency

Notice seeking proposals from eligible applicants for lead reduction projects in disadvantaged communities in two National Priority Areas. The EPA expects to make at least one award under each National Priority Area but may redistribute the awards differently based on the quality of applications received and other applicable considerations. Awards made under the funding opportunity are intended to promote public health and support the Justice40 initiative by addressing conditions that contribute to increased concentrations of lead in drinking water.

Proposals are due December 30, 2024. An estimated \$35 million is available to fund up to nine awards. Collaborative opportunities may be available for colleges and universities.

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

Training and Technical Assistance for Rural, Small and Tribal Municipalities and Wastewater Treatment Systems for Clean Water Act Prevention, Reduction, and Elimination of Pollution
Environmental Protection Agency

Notice seeking proposals to provide training and technical assistance to rural, small, and Tribal municipalities, publicly owned wastewater treatment works, and decentralized wastewater treatment systems for the prevention, reduction, and elimination of pollution. Eligible activities include training and technical assistance only.

Proposals are due November 25, 2024. An estimated \$49 million is available to fund 12 to 28 awards.

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

HEALTH and MENTAL HEALTH

Mechanism for Time-Sensitive Substance Use Research (R21 Clinical Trial Optional)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals for pilot, feasibility or exploratory research in five priority areas in substance use epidemiology and health services, including: 1) responses to sudden and severe emerging drug issues (e.g. the ability to look into a large and sudden spike in opioid or synthetic cannabinoid use/overdoses in a particular community); 2) responses to emerging marijuana trends and topics related to the shifting policy landscape; 3) responses to unexpected and time-sensitive prescription drug abuse research opportunities (e.g., new state or local efforts); 4) responses to unexpected and time-sensitive medical system issues (e.g. opportunities to understand addiction services in the evolving health care system); and 5) responses to unexpected and time-sensitive criminal or juvenile justice opportunities (e.g. new system and/or structural level changes) that relate to drug abuse and access and provision of health care service.

Proposals are due May 5, 2025, September 9, 2025, and January 12, 2026. Program expires September 10, 2027. Awards may vary.

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

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

Notice announcing a meeting scheduled to hold a strategic discussion of NCI's clinical and translational research programs.

The meeting will be held November 6, 2024, from 8:30 a.m. to 3:00 p.m. (ET) and webcast at <https://videocast.nih.gov/>.

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

Reorganization of the Office of Health Equity and the Office of Laboratory Science and Safety
U.S. Department of Health and Human Services, Centers for Disease Control and Prevention

Notices announcing the reorganization and updated missions of the Office of Health Equity and the Office of Laboratory Science and Safety.

This reorganization became effective September 13, 2024.

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

Blueprint Neurotherapeutics Network (BPN): Small Molecule Drug Discovery and Development of Disorders of the Nervous System (UG3-UH3 Clinical Trial Optional)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals from neuroscience investigators seeking support to advance their small molecule drug discovery and development projects into the clinic. Participants in the BPN are responsible for conducting all studies that involve disease- or target-specific assays, models, and other research tools and receive funding for all activities to be conducted in their own laboratories.

Proposals are due January 27, 2025 and July 15, 2025. Program expires August 19, 2026.

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

BRAIN Initiative: Optimization of Instrumentation and Device Technologies for Recording and Modulation in the Nervous System
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals to optimize instrumentation and device technologies for recording and modulation of neural cells and circuits, to address major challenges and to enable transformative understanding of dynamic signaling in the central nervous system.

Optional letters of intent are due 60 days prior application due dates. Proposals are due June 2, 2025 and January 20, 2026. An estimated \$10 million is available to fund multiple awards.

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

BRAIN Initiative: Reagent Resources for Brain Cell Type-Specific Access to Broaden Distribution of Enabling Technologies for Neuroscience (U24 Clinical Trial Not Allowed)
U.S. Department of Health and Human Services, National Institutes of Health

Notice seeking proposals to support facilities at Resource-Limited Institutions (RLIs) and Institutional Development Award (IDeA)-eligible institutions for scaled production and distribution of brain cell type-specific access reagents. The reagents to be distributed will first be developed in separately supported

reagent design and development projects for brain cell type-specific access across vertebrate species in the BRAIN Initiative Armamentarium project.

Proposals are due February 14, 2025. An estimated \$2.4 million is available to fund up to four awards.

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

Discovery and Development of Novel Therapeutics for Select Fungal Pathogens (R21-R33 Clinical Trial Not Allowed)

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

Notice seeking proposals to support milestone-driven, early-stage translational research focused on drug discovery and development of novel therapeutics against select fungal pathogens including: *Candida* species, specifically *Candida auris*; *Aspergillus fumigatus*; *Coccidioides*; and *Mucorales*.

Proposals are due January 28, 2025. An estimated \$2.4 million is available to fund 8 to 10 awards.

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

Early Psychosis Intervention Network (EPINET): Learning Health Care Research to Improve Mental Health Services and Outcomes (P01 Clinical Trial Optional)

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

Notice seeking proposals scientific hubs to support learning health care research in clinics offering evidence-based Coordinated Specialty Care (CSC) to persons in the early stages of psychotic illness. For this NOFO, "early psychosis" is defined as the period spanning the onset of an affective or non-affective psychotic disorder and up to 5 years following the first episode of psychosis.

Proposals are due February 3, 2025. An estimated \$9.5 million is available to fund up to six awards.

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

Building Interdisciplinary Research Careers in Women's Health (BIRCWH)

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

Notice announcing the annual meeting of the Building Interdisciplinary Research Careers in Women's Health (BIRCWH). BIRCWH is an institutional mentored career-development program designed to connect junior faculty, known as BIRCWH Scholars, to senior faculty mentors with shared interest in women's health and sex differences research.

The meeting will be held on October 1, 2024, from 8 a.m. to 5 p.m. ET. The meeting will be in person; registration is at <https://www.eventbrite.com/e/2024-bircwh-annual-meeting-tickets-893884130497>. The meeting will be viewable at <https://videocast.nih.gov/watch=55110>.

LINKS: [Federal Register](#)

Office of the Director, National Institutes of Health; Notice of Meeting

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

Notice announcing open meeting of the NIH Clinical Center Research Hospital Board. The agenda includes NIH and Clinical Center (CC) Leadership Announcements, CC CEO Update of Recent Activities and Organizational Priorities, Status Report on Key CC Strategic Plan Initiatives, and Other Business of the Clinical Center Research Hospital Board (CCRHB).

The meeting will be held October 18, 2024, 9:00 a.m. to 1:00 p.m. ET. The meeting can be accessed from the NIH Videocast at the following link: <https://videocast.nih.gov/>.

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

Performance and Reliability Evaluation for Continuous modifications and uSEability of AI (PRECISE-AI)
U.S. Department of Health and Human Services, National Institutes of Health

Notice announcing a proposers' day in support of the Performance and Reliability Evaluation for Continuous modifications and uSEability of AI (PRECISE-AI) Program. Performance and Reliability Evaluation for Continuous modifications and uSEability of AI (PRECISE-AI) aims to create a suite of self-correction techniques that make it possible to automatically maintain peak model performance of predictive AI components across diverse clinical settings. PRECISE-AI will advance novel approaches to optimally support clinician decision-making and scalability manage the performance of AI Decision Support Tools (AI-DSTs) after their commercial deployment.

The meeting will be a one-day hybrid event on October 17, 2024, beginning around 9:30 a.m. to approximately 5 p.m. CT in-person (the virtual event will end around 12 p.m. CT). Advance registration is required for in person and virtual attendance. Registrations are due October 14, 2024.

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

SCIENCE, TECHNOLOGY, ENGINEERING, and MATHEMATICS

Extreme Computing
Defense

Notice seeking white papers for research, development, integration, test and evaluation of technologies/techniques to support research in the focus areas computational diversity and efficient computing architectures, machine learning and artificial intelligence in embedded system and architectures, computing at the edge, nanocomputing, space computing, and robust algorithms and applications.

Required white papers are due September 30, 2025. Program expires September 20, 2028. An estimated \$109 million is available to fund multiple awards.

LINKS: [Contract Opportunities](#)

Gasification of Alternative Feedstocks
Energy

Notice seeking proposals for research and development of innovative gasification designs/systems for converting alternative feedstocks into syngas to enable the low-cost production of clean hydrogen. The program is motivated by the unique potential of carbon capture-friendly oxygen-blown gasification processes to convert solid mixed biomass and waste feedstocks to clean hydrogen, which is useful as a decarbonized energy carrier and for synthesis of decarbonized transportation fuels, chemicals, electricity, and other useful products.

Proposals are due November 22, 2024. An estimated \$15 million is available to fund up to five awards and will require a 20% cost share.

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

Provably Weird Network Deployment and Detection (PWND²)
Defense

Notice seeking proposals to develop formal models of emergent communication pathways to fundamentally improve how to deploy and detect robust and resilient hidden networks in the real world. The program will pair software-defined networking approaches with formal methods to provide provable privacy and performance guarantees for hidden communication systems at meaningful scale.

Proposals are due November 5, 2024. Strongly encouraged abstracts are due October 1, 2024. Questions are due October 17, 2024. Multiple awards are anticipated.

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

Safety, Security, and Privacy of Open-Source Ecosystems National Science Foundation

Notice seeking proposals from Open Source Ecosystems (OSEs), including those not originally funded by NSF's Pathways to Enable Open-Source Ecosystems program, to address significant safety, security, and/or privacy vulnerabilities, both technical (e.g., vulnerabilities in code and side-channels) and socio-technical (e.g., supply chain, insider threats, and social engineering). Notably for project design, Safe-OSE applies to any OSE, including those based on scientific methodologies, models, and processes; manufacturing processes and process specifications; materials formulations; programming languages and formats; hardware instruction sets; system designs or specifications; and data platforms. Funds from this program should be directed toward efforts to enhance the safety, security, and privacy characteristics of the open-source product, its supply chain, and/or to bolster the ecosystem's capabilities for managing current and future risks.

Required preliminary proposals are due January 14, 2025. An estimated \$15 million is available to fund 10 awards.

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

Strategic Capabilities Office Broad Agency Announcement Defense

Notice seeking proposals for innovative research within five primary technical areas. Project concepts that apply across multiple military services or defense/intelligence operations are preferred. The five primary areas include: 1) autonomous systems; 2) deep learning; 3) cyber; 4) cross-domain kill chains; 5) non-traditional defense technologies.

White papers will be continuously accepted throughout the life of the BAA which will be through August 31, 2029. Multiple awards are anticipated.

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

SuperTruck Charge Energy

Notice seeking proposals with potential solutions to address the current gaps in electrified medium- and heavy-duty (MHD) vehicles charging infrastructure necessary to enable greater utilization of electrified fleets, and drastically reducing GHG emissions due to MHD trucks. The outcomes of this program will lead to accelerated deployment of large-scale electric vehicle charging infrastructure with clean energy resource technologies, as well as provide greater grid resiliency and reliability.

Required concept papers are due October 8, 2024. An estimated \$72 million is available to fund up to three awards to support projects lasting three to five years.

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

Ultra-Broadband Terahertz Radio Development
Defense

Notice seeking white paper proposals for innovative research to develop and demonstrate an ultra-broadband radio operating above 100 GHz for future air force communications capabilities in contested spectrum environments. Collaboration is encouraged.

Required white paper are due September 19, 2025. Program expires September 19, 2028. An estimated \$2.5 million is available to fund multiple awards.

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

University Student Research Challenge (USRC)
National Aeronautics and Space Administration

Notice seeking student proposals for new ideas and concepts that are relevant to NASA Aeronautics. There are cost-share requirements to be completed through the creation and implementation of a crowdfunding campaign, which also provides an opportunity to raise awareness about their research and gain entrepreneurial experience. Projects should advance design, develop technology or capabilities in support of aviation by demonstrating a novel concept, or enable advancement of aeronautics-related technology.

Proposals are due November 7, 2024, March 13, 2025, and June 26, 2025. Five awards are anticipated. The maximum award amount is \$80,000.

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

Geoeconomic Modeling for National Security
Defense

Notice seeking information in three topic areas: Geoeconomic Models; Data for Geoeconomic Modeling; and User Interaction with Models. DARPA is particularly interested in capabilities and limitations of current approaches to modeling and predicting economic activity - especially with regard to the effects of economic and technology sanctions; integration of existing models into a larger ecosystem for comprehensive analysis; and novel concepts that could fundamentally improve geoeconomic modeling for national security purposes.

Responses are due by October 15, 2024 to the contact.

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

Advancing Technology Development for Securing a Domestic Supply of Critical Minerals and Materials (CMM)
Energy

Notice seeking proposals to (1) continue to advance Critical Minerals and Materials technology development, not only in the area of new advanced recovery concepts, but also to (2) expand and improve process systems development, optimization, and efficiency, to (3) improve Critical Minerals and Materials process system economic feasibility and align production costs with existing market sectors, and to (4) produce CMM from multiple, diverse feedstocks including recycled materials.

Proposals are due November 26, 2024. An estimated \$19.5 million is available to fund up to 10 awards. Cost sharing is required.

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

Missile Defense Agency (MDA) Science, Technology, Engineering & Mathematics (STEM) Brad Agency Announcement (BAA)
Defense

Notice seeking white papers from a broad, innovative spectrum of candidates, who are well versed in science and engineering disciplines to prompt interest of STEM-based education and careers among youth and college students. Additionally, this announcement seeks ingenious and contemporary methods for teacher professional development. Emphasis is on delivering impactful STEM learning experiences across three tiers (K-12, college, and teachers/educators).

White papers are due November 8, 2024. An estimated \$1.28 million is available.

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

ROSES 2024: F.13 Lunar Terrain Vehicle Instruments
National Aeronautics and Space Administration

Notice seeking proposals for stand-alone science instruments in support of investigations that are substantially enabled by unpressurized mobility on the lunar surface.

Mandatory Step-1 proposals are due October 23, 2024. An estimated \$44 million is available to fund two or more awards.

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

The State Component of the National Cooperative Geologic Mapping Program
Interior

Notice seeking proposals to establish the geologic framework of areas determined to be vital to the economic, social, or scientific welfare of individual States and the Nation. The State Geologist/Survey Director/Chief Scientist (or similar position) shall determine mapping priorities in consultation with a multidiscipline State Mapping Advisory Committee (SMAC).

Proposals are due January 7, 2025. Universities may submit a proposal on behalf of the State Geological Survey.

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

USGS Cooperative Landslide Hazard Mapping and Assessment Program
Interior

Notice seeking proposals to support communication, planning, coordination, mapping, assessments, and data collection of landslide hazards.

Proposals are due January 15, 2025. An estimated \$1 million is available to fund up to 10 awards. Universities may submit a proposal on behalf of a state geological survey.

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

Committee on Equal Opportunities in Science & Engineering
National Science Foundation

Notice announcing a meeting of the Committee on Equal Opportunities in Science and Engineering. The purpose of the meeting is to study data, programs, policies, and other information pertinent to the National Science Foundation and to provide advice and recommendations concerning broadening participation in science and engineering.

The meeting will be held October 21, 2024 from 10 a.m. to 4:30 p.m. ET. The meeting will be held at National Science Foundation, 2415 Eisenhower Avenue, Alexandria, VA (Virtual).

LINKS: [Federal Register](#)

National Artificial Intelligence Advisory Committee
Commerce

Notice announcing a meeting of the National Artificial Advisory Committee. The purpose of this meeting is for the Committee to report working group findings, identify actionable recommendations, and receive public briefings.

The meeting will be held October 10, 2024, from 10 a.m. to 3 p.m. PT at Tower West, Building 1, 10176 Scholars Drive, La Jolla, CA. The meeting will be in-person and virtual.

LINKS: [Federal Register](#)

Strategic Environmental Research and Development Program Scientific Advisory Board
Defense

Notice announcing a meeting of the Strategic Environmental Research and Development Program (SERDP) Scientific Advisory Board (SAB). The purpose of the meeting is for the SERDP SAB to make recommendations regarding technologies, research, projects, programs, activities, and, if appropriate, funding within the scope of SERDP Fiscal Year (FY) 2025.

The meeting will be held October 15-16, 2024 from 10 a.m. to 5 p.m. The meeting will be accessible by videoconference.

LINKS: [Federal Register](#)