

## UNO FOCUS:

Rapid Response Research (R3) Opportunity  
LA NASA EPSCoR

The larger NASA EPSCoR program is intended to foster collaborative relationships between researchers at jurisdiction institutions and NASA centers to address research focus areas of interest to NASA and to develop the aerospace research infrastructure in the jurisdiction. The NASA EPSCoR R3 component is intended to support EPSCoR researchers to work alongside of NASA and commercial partners for up to one year on **specific research focus areas** as listed in the RFP, and to strengthen the bonds among EPSCoR jurisdictions, NASA, the commercial partners, and other entities. **Note that the R3 program does not support general research.**

Notices of intent will be due Monday, August 29, 2022. Full pre-proposals will be due Friday, September 30, 2022. Pre-proposals will be evaluated by a panel of external reviewers and the top six pre-proposal will be selected for further development.

LINKS: [LA NASA EPSCoR](#)

## ARTS, HUMANITIES, and INTERNATIONAL

English Language for Global Access (EL4GA)  
Department of State (State), Office of Palestinian Affairs (OPA); Public Diplomacy Section (PD)

Notice seeking proposals to advance the U.S. OPA-PD mission goals stated above and improve English language skills while increasing participants' understanding of American culture, values, society, and/or current issues through exposure to information on those topics and/or through direct exchange with Americans.

Proposal are due on a rolling basis until August 22, 2022. The maximum award amount is \$80,000.

LINKS: [Grants.gov](#)

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MENTOR-Bat Program  
Fish and Wildlife Service (FWS), Department of the Interior (Interior), International Conservation

Notice seeking applications for a global conservation fellowship program focused on the linkages between the health of bats, people, and the environment. Having co-evolved with a variety of viral pathogens, bats have become reservoir hosts to many pathogens and, therefore, live with the viruses without suffering from the effects of the disease.

Applications are due September 9, 2022. The maximum award amount is \$1 million.

LINKS: [Grants.gov](#)

## EDUCATION and ECONOMIC & COMMUNITY DEVELOPMENT

Expanding Opportunity Through Quality Charter Schools Program (CSP): National Dissemination Grants, Assistance Listing Number 84.282T  
Department of Education (Education), Office of Elementary and Secondary Education (OESE)

Notice seeking applications to expand opportunities for all students, particularly underserved students, to attend charter schools and meet challenging State academic standards; provide financial assistance for the planning, program design, and initial implementation of public charter schools; increase the number of high-quality charter schools available to students across the United States; evaluate the impact of charter

schools on student achievement, families, and communities; share best practices between charter schools and other public schools; aid States in providing facilities support to charter schools; and support efforts to strengthen the charter authorizing process.

Applications are due August 22, 2022. Approximately \$4.8 million is available to fund 6 to 10 awards. Colleges and universities are eligible to partner.

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

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FSA Conservation Reserve Program Transition Incentive Program: Outreach, Technical Assistance, and Research Agreements  
United States Department of Agriculture (USDA), Farm Service Agency (FSA)

Notice seeking proposals to promote awareness, increase understanding among landowners and program participants, and increase enrollment in the Conservation Reserve Program-Transition Incentive Program by providing outreach and technical assistance to the agricultural community, in particular, private landowners, beginning-, veteran, and historically underserved farmers and ranchers.

Applications are due October 21, 2022.

LINKS: [Grants.gov](#)

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Community Wildfire Defense Grant 2022  
United States Department of Agriculture (USDA), Forrester Services (FS)

Notice seeking applications to assist at-risk local communities and Indian Tribes with planning and mitigating against the risk created by wildfire.

Applications are due October 7, 2022. Cost sharing is required.

LINKS: [Solicitation](#)

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Small Business Innovation Research and Small Business Technology Transfer Programs Phase I  
National Institute of Food and Agriculture (NIFA), United States Department of Agriculture (USDA)

Notice seeking applications to support small businesses in the creation of innovative, disruptive technologies and enable the application of research advancements from conception into the market. The STTR program aims to foster technology transfer through formal cooperative R&D between small businesses and nonprofit research institutions.

Applications are due October 6, 2022. Approximately \$15.5 million is available.

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

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## HEALTH and MENTAL HEALTH

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 applications to support the development and validation of next-generation tools, methods, and analytic approaches to precisely quantify behaviors and combine them with simultaneous recordings of brain activity in humans.

Applications are due February 17, 2023 and February 15, 2024. Optional letters of intent are due 30 days prior to the application due date. Approximately \$10 million is available to fund 8 to 10 awards in FY 2024.

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

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NIH HEAL Initiative: Coordinated Approaches to Pain Care in Health Care Systems (UG3 UH3 - Clinical Trial Optional)

National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking proposals that propose implementation science methodology to embed existing evidence-based coordinated pain care models into a variety of public and private health care systems where this type of care does not exist.

Applications are due November 4, 2022. An estimated five to six awards with a ceiling of \$500,000 for the first year are anticipated.

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

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Prevention and Treatment through a Comprehensive Care Continuum for HIV-affected Adolescents in Resource Constrained Settings Implementation Science Network (PATCH-IN) Clinical Research Centers (UG1 Clinical Trial Optional)

National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking applications expand and/or improve successes achieved by PATC3H to new geographic settings with limited implementation science (IS) research capacity and/or risk populations who are poorly represented in international adolescent HIV research (e.g. sexual and gender minorities; commercial sex workers; drug users) and stimulate much needed IS research in a neglected area of public health significance: prevention of new HIV infections among adolescents at risk and the identification of, and linkage and retention to care of and long-term viral suppression among youth living with HIV in low-to-middle income countries (LMICs).

Applications are due December 6, 2022. Optional letters of intent are due November 6, 2022. Approximately \$8 million is available to fund four to five awards.

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

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Biology of Bladder Cancer (R01 or R21 Clinical Trial Optional)

National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Cancer Institute (NCI)

Notice seeking proposals investigating the biology and underlying mechanisms of bladder cancer. R01 and R21 mechanisms are available.

R01 applications are due October 5, 2022. R21 applications are due October 16, 2022. Multiple awards of both types are anticipated.

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

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Cellular and Molecular Mechanisms of Prion-Like Aggregate Seeding, Propagation, and Neurotoxicity in AD-ADRD (R01 Clinical Trial Not Allowed)

National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Neurological Disorders and Stroke (NINDS)

Notice seeking applications that propose mechanistic studies in animal, cell culture, and/or human tissue models to elucidate the mechanisms by which prion-like processes in AD/ADRD are initiated, propagated, and ultimately lead to neurodegeneration and circuit dysfunction.

Applications are due October 24, 2022. Optional letters of intent are due August 24, 2022. Approximately \$3.75 million is available to fund up to five awards.

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

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Geroscience Course (R25 Independent Clinical Trial Not Allowed)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute on Aging (NIA)

Notice seeking applications to support educational activities that complement and/or enhance the training of a workforce to meet the nation's biomedical, behavioral and clinical research needs. It seeks to increase general awareness of geroscience by taking a multidisciplinary approach to support educational activities with a primary focus on the development and integration of basic, applied, translational, and clinical topics in geroscience.

Applications are due October 21, 2022. Optional letters of intent are due September 21, 2022.

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

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HEAL Initiative: Research Studies to Develop and Implement Interventions to Prevent Opioid Misuse in Community Health Centers (R61 R33 Clinical Trial Required)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking proposals for developing and testing new or adapted interventions to prevent opioid misuse among patients served by community health centers (CHCs), and/or developing and testing implementation strategies for screening and referral to preventive interventions for misuse of opioids and other substances among patients served by CHCs.

Applications are due November 8, 2022. Approximately \$5.25 million is available to fund five to seven awards.

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

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Interventions that Address Structural Racism to Reduce Kidney Health Disparities Research Coordinating Center (U24 - Clinical Trial Not Allowed)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS)

Notice seeking applications to foster community-engaged intervention research to address structural racism to reduce health disparities among individuals living with kidney disease. Research Coordinating Center (RCC) will lead, manage, and harmonize efforts for the Consortium.

Applications are due November 17, 2022. Optional letters of intent are due October 17, 2022. Approximately \$4.85 million is available.

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

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NCI Outstanding Investigator Award (R35 Clinical Trial Optional)  
National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Cancer Institute (NCI)

Notice seeking proposals from accomplished investigators with outstanding records of cancer research productivity who propose to conduct exceptional research in any area of cancer research.

Applications are due November 8, 2022. Multiple awards with a ceiling of \$600,000 are anticipated.

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

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NIMH Biobehavioral Research Awards for Innovative New Scientists (NIMH BRAINS) (R01 Clinical Trial Optional)

National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Institute of Mental Health (NIMH)

Notice seeking proposals for the research and research career advancement of outstanding, exceptionally productive scientists who are in the early, formative stages of their careers and who plan to make a long-term career commitment to research in specific mission areas of the National Institute of Mental Health.

Applications are due June 20, 2023. An estimated six to eight awards with a ceiling of \$500,000 are anticipated.

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

## SCIENCE, TECHNOLOGY, ENGINEERING, and MATHEMATICS

2022 Army Geospatial Center (AGC) Broad Agency Announcement (BAA)  
Department of Defense (Defense), U.S. Army Corps of Engineers (ACE)

Notice seeking white papers to coordinate, integrate and synchronize geospatial information requirements and standards across the Army; develop and field geospatial-enterprise enabled systems and capabilities to the Army and the Department of Defense; and provide direct geospatial support and products to Warfighters.

Required white papers are due any time until July 21, 2023 to [AGCBAAProposals@usace.army.mil](mailto:AGCBAAProposals@usace.army.mil). Multiple awards are anticipated.

LINKS: [Contract Opportunities](#)

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Engineering Technologies to Advance Underwater Sciences  
National Science Foundation (NSF)

Notice seeking proposals to bring together experts from diverse scientific and engineering backgrounds to develop innovative engineering technologies and solutions that will enable real-time and reliable sensing, communications, localization, navigation, and mapping of aquatic environments, including glaciers, rivers, lakes, and oceans, for scientific research and economic development in a sustainable and environmentally responsible manner.

Required preliminary proposals are due September 19, 2022. Approximately \$8.2 million is available to fund five to six awards.

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

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Fiscal Year 2022 Vehicle Technologies Office Program Wide Funding Opportunity Announcement  
Department of Energy (Energy)

Notice seeking proposals to address priorities in the following areas: the cost-effective deployment of EV charging for those without easy home charging; innovative solutions to improve mobility options for underserved communities; community engagement to accelerate clean transportation options in underserved communities; batteries and electrification; materials technologies; energy-efficient commercial off-road vehicle technologies; medium/heavy duty vehicle corridor charging and advanced engine and fuel technologies to improve fuel economy and reduce GHG emissions.

Required concept papers are due August 25, 2022. Multiple awards are anticipated in several topic areas.

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

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FY23 Bluefin Tuna Research Program  
National Oceanic and Atmospheric Administration (NOAA), Department of Commerce (Commerce)

Notice seeking proposals to provide a basis for advancing science-based fisheries management for Atlantic bluefin tuna. Such advancement will depend upon improvements in understanding of the fisheries and biology of bluefin tuna, especially regarding the effects of mixing and movement between the eastern and western Atlantic populations.

Proposals are due October 28, 2022. Approximately \$600,000 is available to fund five awards.

LINKS: [Grants.gov](#)

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ROSES 2022: Weather and Atmospheric Dynamics  
National Aeronautics and Space Administration (NASA)

Notice seeking proposals to obtain accurate measurements of the atmosphere that help improve the understanding and prediction of weather at local, regional, and global scales.

Applications are due November 2, 2022. An estimated 8 to 12 awards with a ceiling of \$1.25 million are anticipated.

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

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Muons for Science and Security (MuS2) Proposers Day  
Defense Advanced Research Projects Agency (DARPA), Department of Defense (Defense), Defense Sciences Office (DSO)

Notice announcing a meeting for Muons for Science and Security (MuS2). The goals of the MuS2 Proposers Day are to (1) introduce the research community to the MuS2 program vision and goals, (2) explain the mechanics of a DARPA program and the milestones of this particular effort, and (3) encourage and promote teaming arrangements among potential organizations that have the relevant expertise, facilities, and capabilities for executing a research and development program responsive to the MuS2 program goals.

The webcast will be held August 5, 2022. from 1:00 p.m. to 2:00 p.m. Advance registration is required for viewing the webcast. Registration closes July 29, 2022 at <https://events.sasmeetings.com/MuS2ProposersDay>

LINKS: [Contract Opportunities](#)

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Bipartisan Infrastructure Law: Advancing Equity through Workforce Partnerships  
Department of Energy (Energy), Office of Energy Efficiency and Renewable Energy (EERE)

Notice seeking applications supporting the development of workforce programs and partnerships that will facilitate the continued deployment of solar energy technologies, while supporting an inclusive workforce with opportunities for career advancement, including through union membership.

Required letters of intent are due September 13, 2022. Required Concept papers are due September 20, 2022. Approximately \$10 million is available to fund 8 to 16 awards.



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

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#### Ecology and Evolution of Infectious Diseases

National Institutes of Health (NIH), Department of Health and Human Services (HHS), National Science Foundation (NSF), United States Department of Agriculture (USDA)

Notice seeking proposals to support research on the ecological, evolutionary, organismal, and social drivers that influence the transmission dynamics of infectious diseases. The central theme of submitted projects must be the quantitative, mathematical, or computational understanding of pathogen transmission dynamics. The intent is discovery of principles of infectious disease (re)emergence and transmission and testing mathematical or computational models that elucidate infectious disease systems. Projects should be broad, interdisciplinary efforts that go beyond the scope of typical studies.

Proposals are due November 16, 2022. Approximately \$36.5 million is available to fund 12 awards.

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

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#### Formal Methods in the Field

Directorate for Computer & Information Science & Engineering (CISE), National Science Foundation (NSF)

Notice seeking proposals to bring together researchers in formal methods with researchers in other areas of computer and information science and engineering to jointly develop rigorous and reproducible methodologies for designing and implementing correct-by-construction systems and applications with provable guarantees. FMitF encourages close collaboration between two groups of researchers.

Proposals are due February 15, 2023. Approximately \$10 million is available to fund 22 awards.

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

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#### FY2023 Ocean Technology Transition Project

National Oceanic and Atmospheric Administration (NOAA), Department of Commerce (Commerce)

Notice seeking proposals which advance new or existing technology-based solutions that address long standing and emerging coastal observing, product development, and data management challenges.

Applications are due January 17, 2022. An estimated three to five awards with a per-year ceiling of \$400,000 are anticipated.

LINKS: [Grants.gov](#)

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#### Key Verification Assets Fund Cycle 2

Department of State (State)

Notice seeking ambitious, innovative research proposals to address its priority science and technology requirements for arms control, nonproliferation, and disarmament-related monitoring and verification. The V Fund is administered to help sustain, research, develop, or acquire technologies or programs relating to the verification of arms control, nonproliferation, and disarmament agreements and commitments.

Applications are due August 29, 2022 to [AVC-BAA@state.gov](mailto:AVC-BAA@state.gov). Multiple awards are anticipated.

LINKS: [Contract Opportunities](#)

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#### NSF Astronomy and Astrophysics Postdoctoral Fellowships

Directorate for Mathematical & Physical Sciences (MPS), National Science Foundation (NSF)

Notice seeking proposals to provide an opportunity for highly qualified, recent doctoral scientists to carry out an integrated program of independent research and education. Fellows may engage in observational, instrumental, theoretical, laboratory or archival data research in any area of astronomy or astrophysics, in combination with a coherent educational plan for the duration of the fellowship.

Proposals are due between August 15, 2022 to October 24, 2022. Approximately \$990,000 is available to fund eight to nine awards.

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

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Professional Research Experience Program (PREP)  
National Institute of Standards and Technology (NIST), Department of Commerce (Commerce)

Notice seeking proposals that offer two- or four- year degrees in academic science, technology, engineering, and mathematics (STEM) disciplines to establish and manage a program to support collaborative research relationships in the NIST labs.

Applications are due September 30, 2022. Approximately \$200 million is available to fund nine awards over five years.

LINKS: [Grants.gov](#)

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Astronomy and Astrophysics Advisory Committee  
National Science Foundation (NSF)

Notice announcing a meeting of the Astronomy and Astrophysics Advisory Committee. The purpose of the meeting is to provide advice and recommendations to the National Science Foundation (NSF), the National Aeronautics and Space Administration (NASA) and the U.S. Department of Energy (DOE) on issues within the field of astronomy and astrophysics that are of mutual interest and concern to the agencies.

The meeting will be held September 26-27, 2022; 10:00 a.m.-4:00 p.m. on Zoom videoconference.

LINKS: [Federal Register](#)