

The UMD logo consists of the letters "UMD" in a bold, yellow, sans-serif font, centered within a solid red rectangular background.

FUNDING ALERT

Notes

1. Weekly opt-in funding alert provided by the UMD-College Park Division of Research and [SSTI](#). Please feel free to forward this alert to colleagues.
2. If you have been forwarded this email and would like to receive this alert on a weekly basis, please fill out the following form: <http://go.umd.edu/fundingalert>.

SSTI (November 21)

New Funding Opportunities for TBED

Environmental Protection Agency

Brownfield Technical Assistance

EPA's Office of Brownfields and Land Revitalization invites applications to provide technical assistance to assist communities facing brownfields challenges within the 11 delineated geographic areas. Cooperative agreements awarded under this announcement will help communities tackle the challenge of assessing, cleaning up and preparing brownfield sites for redevelopment, especially underserved/rural/small and distressed communities. The technical assistance provided through these agreements will cover technical support on various brownfields subject areas.

Awards:

11 cooperative agreement awards from a pool of \$53 million.

Eligibility:

Nonprofits, Tribal Nations, public entities and consortia of each type.

Deadline:

02/14/2023

AwardsID(s):

EPA-I-OLEM-OBLR-22-11

Links:

<https://www.grants.gov/web/grants/view-opportunity.html?opId=344532>

Brownfields Training, Research, and Technical Assistance

The EPA Office of Brownfields and Land Revitalization invites proposals for five specific opportunities to provide training, research, and technical assistance to facilitate the inventory of brownfield sites, site assessments, remediation of brownfield sites, community involvement, or site preparation. These grants will help communities, organizations, government agencies, nonprofits, and individuals tackle the challenge of cleaning up and revitalizing brownfield properties. The five opportunities, listed below, are described in detail in the announcement:

- Nation-wide technical assistance for Brownfields Revolving Loan Fund (RLF) grant recipients
- Nation-wide technical assistance to nonprofits seeking to reuse brownfields sites
- Nation-wide technical assistance to local government leaders on developing and/or operating brownfields programs within their jurisdictions
- Research, technical assistance, and related outreach on minimizing displacement resulting from brownfields assessment, cleanup and reuse
- Research, technical assistance, and related outreach on land banking approaches for brownfields revitalization

Awards:

Five awards, one in response to each topic area.

Eligibility:

Domestic public and nonprofit entities.

Deadline:

02/14/2023

AwardsID(s):

EPA-I-OLEM-OBLR-22-12

Links:

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=344534>

New Federal R&D Funding Opportunities

Department of Defense

Aeroscience Collaborative Research and Development

The Air Force Research Laboratory invites proposals to select a single contract partner for collaborative R&D in aeronautics. The base award is for 60 months, with the possibility of two 24 month extensions. The security clearance classification for the work is: SECRET. Intent to Propose notification is requested from potential respondents by Dec 12.

Awards:

One base award is anticipated to be made for \$17 million.

Deadline:

01/03/2023

AwardsID(s):

FA8650-23-S-2001

Links:

<https://sam.gov/opp/7a0f0ea5b5f04a4297bee3c5333bc3f5/view>

College - University Student and Faculty Research Projects

The Naval Surface Warfare Center at Carderock invites proposals directed toward student or faculty general research projects where the focus is upon technologies and capabilities outlined in the *Doing Business with Carderock* website. NSWC is especially, but not solely, interested in research projects dealing with Machine Learning, Data Analytics & Modeling, Data Visualizations, Cyber Security, Complex Systems & Organizational Dynamics, Operations Analysis and Military Utility/Impact Analysis, Knowledge Management & Retention, and Web Presence with Tool Implementation strategies (both for Business Operations and Technical applications).

The solicitation also will support Capstone and Senior Research projects for novel research initiatives whose intent is the development of future naval scientists and engineers. White paper are required prior to submitting a full proposal for all projects.

Awards:

Multiple awards are anticipated.

Eligibility:

U.S. institutions of higher education.

Deadline:

12/14/2022

AwardsID(s):

NSWCCD-23-0001

Links:

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=344506>

DARPA Triage Challenge

DARPA invites innovative proposals in the domain of signature identification for primary and secondary triage. The goal of the DARPA Triage Challenge is to galvanize discovery of novel traumatic injury signatures to enhance triage decision-making in mass-casualty settings. Of particular interest are mass casualty incidents, in both civilian and military settings, when medical resources are limited relative to the need.

Awards:

Multiple Track A awards of \$2.25M are anticipated.

Eligibility:

Unrestricted.

Deadline:

12/20/2022

AwardsID(s):

HR001123S0011

Links:

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=344531>

Department of Energy

Early Career Energy Research

The DOE Early Career Research Program invites applications for support in the following program areas: Advanced Scientific Computing Research; Basic Energy Sciences; Biological and Environmental Research; Fusion Energy Sciences; High Energy Physics; Nuclear Physics; Isotope Research and Development and Production; and Accelerator R&D and Production. Each topic area is described in detail in the announcement. The purpose of this program is to support the development of individual research programs of outstanding scientists early in their careers and to stimulate research careers in the areas supported by the DOE Office of Science. Pre-applications are required and due on Jan 5, 2023.

Awards:

Multiple awards from an anticipated total of \$110 million in current and future fiscal years.

Eligibility:

U.S. institutions of higher education and DOE national labs.

Deadline:

01/05/2023

AwardsID(s):

DE-FOA-0002821

Links:

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=344504>

Long-Duration Energy Storage demonstration projects

DOE invites proposals for emerging Long-Duration Energy Storage (LDES) demonstration projects capable of delivering electricity for 10-24 hours or longer to support a low-cost, reliable, carbon-free electric grid. This \$349 million effort seeks LDES demonstration projects that will validate new technologies, enhance the capabilities of customers and communities to integrate LDES more effectively, and sustain American global leadership in energy storage. LDES demonstration projects are encouraged to have substantial engagement with local and regional stakeholders to ensure that they generate local, regional, and national benefits. Demonstration projects will be expected to carry out meaningful community and labor engagement; invest in America's

workforce by creating good-paying jobs with the free and fair choice to join a union; advance diversity, equity, inclusion, and accessibility; and contribute to the national goal that 40% of the overall benefits of certain federal investments, including those in climate change, clean energy and energy efficiency, flow to disadvantaged communities.

Letters of intent are required and due Dec 15.

Awards:

11 awards from a pool of \$349 million. Maximum award size is \$70 million.

Eligibility:

Unrestricted.

Deadline:

12/15/2022

AwardsID(s):

DE-FOA-0002867

Links:

<https://www.grants.gov/web/grants/view-opportunity.html?oppId=344510>, <https://oced-exchange.energy.gov/Default.aspx>

Department of Health and Human Services

Advanced Research and Development of Regulatory Science

The Food and Drug Administration invites basic and applied R&D white-paper proposals to support regulatory science and innovation. Twenty-four subareas of research are described in the announcement, distributed across three broader research thrusts: 1) Modernize development and evaluation of FDA-regulated products; 2) Strengthen post-market surveillance and labeling of FDA-regulated products; and, 3) Invigorate public health preparedness and response of the FDA, patients, and consumers. A multi-hour "Announcement Day" webinar concerning the funding opportunity will be offered on Dec 6 (see link below). Registration is required.

Awards:

Multiple contract awards are anticipated.

Eligibility:

Unrestricted domestically.

Deadline:

01/23/2023

AwardsID(s):

FDABAA-23-00123

Links:

<https://sam.gov/opp/6fd7bbaedd894978871de92ea572e354/view>, <https://www.fda.gov/science-research/fda-broad-agency-announcement-day-2022-12062022>

Autism Secondary Data Analysis Research

The Health Resources and Services Administration invites autism research proposals that will analyze existing national data sets and/or administrative records to answer questions that can improve the health and well-being of children and teenagers with autism spectrum disorders and other developmental disabilities (ASD/DD). Existing and new public health challenges affecting children and adolescents with ASD/DD require timely, evidence-based responses from programs, policy, and practice. Without sufficient evidence or data, it is hard to develop interventions addressing both existing and new issues.

Awards:

Four awards of \$120,000 each.

Eligibility:

Unrestricted.

Deadline:

02/13/2023

AwardsID(s):

HRSA-23-069

Links:

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=340374>

Cancer Screening Research Network

The National Cancer Institute has issued three funding opportunities to provide infrastructure to develop the Cancer Screening Research Network (CSRN). The primary goal of the CSRN is the conduct of multi-center cancer screening trials and studies. This Network is designed to take advantage of large and diverse populations receiving routine care in a variety of healthcare settings. The CSRN will engage these populations in rigorous studies focused on cancer screening to improve early cancer detection and evaluate emerging cancer screening modalities with the ultimate goal of reducing cancer incidence, and cancer-related morbidity and mortality. The CSRN will support the following components that will be individually awarded through the respective funding opportunities indicated below (links for each are included with this announcement). The deadline for all three is Feb, 28, 2023:

- RFA-CA-23-020: CSRN Accrual, Enrollment, and Screening Site (ACCESS) Hubs. The institute anticipates funding 10-15 hubs for four-year awards from a pool of \$8 million in FY2023 and \$9M in future years. Direct costs are limited to \$750,000 per year.
- RFA-CA-23-021: CSRN Statistics and Data Management Center. One four-year award with total sending of \$1-2 million annually.
- RFA-CA-23-022: CSRN Coordinating and Communication Center. One four-year award with total sending of \$1.5-2 million annually.

Awards:

See description detail.

Eligibility:

Unrestricted domestically

Deadline:

02/28/2023

AwardsID(s):

RFA-CA-23-020, RFA-CA-23-021, RFA-CA-23-022

Links:

<https://grants.nih.gov/grants/guide/rfa-files/RFA-CA-23-020.html>, <https://grants.nih.gov/grants/guide/rfa-files/RFA-CA-23-021.html>, <https://grants.nih.gov/grants/guide/rfa-files/RFA-CA-23-022.html>

Chronic Kidney Disease in Children Central Biochemistry Laboratory

Three NIH institutes jointly invite applications for the Central Biochemistry Laboratory (CBL) for the Chronic Kidney Disease in Children Study (CKiD) Consortium. The CBL will work cooperatively with the existing CKiD Clinical Coordinating Centers and the Data Coordinating Center of the study as a consortium. The CBL will be responsible for all central chemistry measurements and iohexol glomerular filtration rate (GFR) measurements dictated by the study protocol. The Principal Investigator and study team for the CBL must include expertise in the measurement of GFR in pediatric populations and in biological sample handling and storage.

Awards:

Direct costs for a single award may not exceed \$250,000 annually.

Eligibility:

Unrestricted domestically.

Deadline:

01/12/2023

AwardsID(s):

RFA-DK-23-002

Links:

<https://grants.nih.gov/grants/guide/rfa-files/RFA-DK-23-002.html>

Cooperative Centers on Human Immunology

The National Institute of Allergy and Infectious Diseases invites from interdisciplinary teams to participate in the Cooperative Centers on Human Immunology (CCHI) program. The program supports mechanistic and hypothesis-testing studies to discover novel molecules, mechanisms, or regulatory pathways governing function of the human immune system in both healthy and vulnerable populations (i.e., across lifespan, organ/tissue transplant recipients, pregnant women). Studies of interest include immunity related to prevention or treatment of infectious diseases, immune-mediated

pathogenesis/sequelae associated with infectious disease, and/or immune-mediated diseases. This opportunity also seeks to support technology development to advance studies of the human immune system.

Awards:

Up to five multi-year awards from a pool of \$13.5 million.

Eligibility:

Unrestricted domestically.

Deadline:

04/07/2023

AwardsID(s):

RFA-AI-22-069

Links:

<https://grants.nih.gov/grants/guide/rfa-files/RFA-AI-22-069.html>

Environmental Health Sciences Core Centers

The National Institute of Environmental Health Sciences (EHS) invites proposals to create Core Centers (CC) that bring together investigators currently funded by NIH or other federal or non-federal sources to enhance the effectiveness of existing research and extend the focus of research for environmental health sciences. An EHS CC is expected to support innovation and be on the cutting edge of science. As such, research activities should cross a variety of disciplines to bring multiple perspectives and approaches to bear on significant environmental health research questions and health impacts. It is expected that an EHS CC facilitate translational research that encompasses all aspects of an EHS CC.

Awards:

Anticipated FY24 funding of \$6.0M to fund up to 4 new and renewal awards.

Eligibility:

Unrestricted domestically.

Deadline:

04/19/2023

AwardsID(s):

RFA-ES-22-010

Links:

<https://grants.nih.gov/grants/guide/rfa-files/RFA-ES-22-010.html>

Interventions that Address Structural Racism to Reduce Kidney Health Disparities

Multiple institutions within NIH invite applications for the Research Coordinating Center (RCC) that will lead, manage, and harmonize efforts for the Interventions that Address Structural Racism to Reduce Kidney Health Disparities Consortium [note: the solicitation to fund the six consortia intervention sites closed Nov 17, 2022]. Specifically, the RCC will: 1) provide organization, management, and administrative support of

Consortium activities; 2) provide research coordination, data management and data analyses for Consortium studies; and 3) foster research collaborations and helping to build a community of investigators with skills to develop, implement, and disseminate effective, scalable, and sustainable interventions that address the structural drivers of kidney health disparities. Letters of intent are required by Dec 12, 2022.

Awards:

A single RCC award is anticipated with direct costs not to exceed \$500,000 annually.

Eligibility:

Unrestricted domestically

Deadline:

12/12/2022

AwardsID(s):

RFA-DK-23-003

Links:

<https://grants.nih.gov/grants/guide/rfa-files/RFA-DK-23-003.html>

Maternal and Child Health Secondary Data Analysis Research

The Health Resources and Services Administration invites research proposals that desire to analyze existing national data sets and/or administrative records to answer questions that can improve the health and well-being of Maternal and Child Health (MCH) populations, including children and teenagers with autism spectrum disorders and other developmental disabilities (ASD/DD). The program helps researchers use existing data sets to identify new issues, study new research questions, test hypotheses, and determine pathways for intervention. Proposed work should be related to the HRSA strategic objectives.

Awards:

Five awards of \$120,000 maximum.

Eligibility:

Eligibility is limited to public or non-profit institutions of higher learning and public or private non-profit agencies engaged in research or in programs relating to maternal and child health and/or services for children with special health care needs.

Deadline:

02/13/2023

AwardsID(s):

HRSA-23-068

Links:

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=340394>

Mechanisms of HIV infection, replication, latency, and/or pathogenesis in the context of substance use disorders

The National Institute on Drug Abuse to support exploratory studies that 1) develop or apply novel tools or technologies or 2) test novel hypotheses to investigate mechanistic questions in HIV infection, replication, latency, and/or pathogenesis (including neuroHIV) in the context of Substance Use Disorders (SUDs). This initiative focuses on exploration and characterization of signaling pathways that are involved in Central Nervous System (CNS) HIV establishment and expansion. The opportunity specifically aims to promote research to investigate the underlying molecular mechanisms by which HIV infection is initiated, established, and maintained in the CNS and to determine how addictive substances modulate HIV infection, latency and the size and persistence of CNS HIV reservoirs.

Awards:

Six awards from a pool of \$3 million.

Eligibility:

Unrestricted.

Deadline:

02/23/2023

AwardsID(s):

RFA-DA-24-002

Links:

<https://grants.nih.gov/grants/guide/rfa-files/RFA-DA-24-002.html>

National Center for Newborn Screening System Excellence

The Health Resources and Services Administration invites applications to fund one organization to support state newborn screening programs and stakeholders on a nationwide basis by: 1) providing leadership, technical assistance (TA), and quality improvement expertise; 2) collecting data to identify barriers to achieving health equity and equitable access to NBS services for all infants and families; 3) enhancing state performance in NBS; and 4) providing subject matter expertise, TA and training, education, and other resources to youth and families in order to promote meaningful engagement of, active participation with, and leadership by families and/or individuals with heritable disorders at all levels of the newborn screening system.

Awards:

One award up to \$2.3 million.

Eligibility:

Tribal Nations and organizations, state and local governments, and nonprofit organizations other than institutions of higher education.

Deadline:

02/13/2023

AwardsID(s):

HRSA-23-077

Links:

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=340399>

Research Related to Understanding Polydrug Use Risk and Protective Factors

The Centers for Disease Control and Prevention invites proposals for its Mentored Research Scientist Development Award to provide support for an intensive, supervised/mentored career development experience in substance use and/or overdose prevention research leading to research independence. Applicants must propose a research project that aims to better understand and identify risk and protective factors related to polydrug initiation, use, and escalation. This could include, but is not limited to, co-use of opioids, stimulants, and/or cannabis. Additionally, research can focus the examination of potential moderators of risk and protective factors for polydrug initiation, use and escalation; and/or can investigate the relationship between polydrug use and overdose. Optional letters of intent are requested by Dec 19, 2022.

Awards:

\$450,000 to support three \$150,000 awards.

Eligibility:

Unrestricted domestically.

Deadline:

02/09/2023

AwardsID(s):

RFA-CE-23-002

Links:

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=343253>

Sleep Predictors of Opioid-Use Disorder Treatment Outcomes

Sleep and circadian dysfunctions are frequently co-morbid with opioid use disorders (OUDs) and may have clinical utility in identifying individuals at risk for poor treatment response and relapse. Three NIH institutes have combined to support two funding opportunities to: 1) support clinical research project applications that mechanistically explore the relationship between sleep and/or circadian rhythms and OUD (clinical site-specific projects), and 2) develop data-science based predictive model/s using sleep and circadian parameters that can be applied to predict individual OUD treatment responses and the susceptibility to relapse. Goal 1 will be accomplished by individual site-specific studies and Goal 2 by contribution of data from individual sites to a common protocol for the development of predictive algorithms by a Leadership and Data Coordinating Center. Proposals for individual research projects should use the link for RFA-DA-23-059 below. Applicants for the center should use RFA-DA-23-060.

Awards:

Five awards across both opportunities from a pool of \$20 million.

Eligibility:

Unrestricted domestically.

Deadline:

02/10/2023

AwardsID(s):

RFA-DA-23-059, RFA-DA-23-060

Links:

<https://grants.nih.gov/grants/guide/rfa-files/RFA-DA-23-059.html>, <https://grants.nih.gov/grants/guide/rfa-files/RFA-DA-23-060.html>

Trailblazer Award for New and Early Stage Investigators

Three NIH institutes – the National Institute of Biomedical Imaging and Bioengineering, the National Eye Institute, and the National Institute on Aging – jointly invite proposals to pursue research programs that integrate engineering and the physical sciences with the life and/or biomedical sciences. A Trailblazer project may be exploratory, developmental, proof of concept, or high risk-high impact, and may be technology design-directed, discovery-driven, or hypothesis-driven. Importantly, applicants must propose research approaches for which there are minimal or no preliminary data. A distinct feature for this opportunity is that no preliminary data are required, expected, or encouraged. Each participating institute has outlined its priority research topics in the announcement.

Awards:

Multiple awards are anticipated, each for direct costs not to exceed \$400,000 over 3 years.

Eligibility:

Unrestricted domestically.

Deadline:

02/16/2022

AwardsID(s):

PAR-24-022

Links:

<https://grants.nih.gov/grants/guide/pa-files/PAR-24-022.html>

Department of the Interior

Pursuing Intelligent Complex Aerosols for Rapid Detection (PICARD)

The Department of the Interior on behalf of the Office of the Director of National Intelligence invite proposals to develop integrated hardware and software tools that will improve measurement capacities beyond the current state of the art with respect to chemical specificity, accuracy, response time, and sensitivity. The PICARD program consists of two technical areas, Point Detection and Standoff Detection, both of which

are described in the solicitation. Responses may address one or both technical areas. Awards will be cost plus fixed fee contracts and the program will run in two phases, moving from simple to more complex aerosol mixtures and environments.

Awards:

Multiple contract awards are anticipated.

Eligibility:

Unrestricted domestically with the exception of federal agencies and federal labs. Special conditions exist for university-affiliated research centers.

Deadline:

01/13/2023

AwardsID(s):

DOI-IARPA-PICARD-FY23-01

Links:

<https://sam.gov/opp/e2c19ff691284c34b05f33bd142a86ee/view>

Environmental Protection Agency

Aquatic Toxicology and Ecology Research

EPA's Office of Research and Development (ORD) seeks to support research training of college and university students and postdoctoral researchers in Aquatic Toxicology and Ecology Research. The goal is to increase the effectiveness and number of future environmental scientists and technicians by allowing trainees to collaborate with EPA-ORD scientists while conducting projects in a fully operational federal research laboratory. The training projects will be conducted at EPA's facilities in Duluth, Minnesota. Some examples of the fields of study for desirable trainees include (but are not limited to) those majoring in biology, chemistry, computer science, ecology, economics, engineering, environmental science, physical science, social science, toxicology, and water policy.

Awards:

One award up to \$3.5 million is anticipated.

Eligibility:

Unrestricted domestically, with the exception/exclusion of for-profit entities.

Deadline:

01/12/2023

AwardsID(s):

EPA-G2023-ORD-D1

Links:

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=344502>

National Aeronautics and Space Administration

Earth Science Applications: Ecological Conservation

The NASA Earth Science Division seeks proposals for projects that apply Earth observations that will improve/develop decision-making activities and enable transition and adoption by public- and/or private-sector organization(s) for sustained use in decision-making. The focus of this program element is on applications and decision support in the areas of ecological conservation and management. Specifically, NASA seek projects that support decision-making activities to combat the spread of invasive species, advance the use of ecosystem service assessment for decision-making, and inform management, protection, and establishment of protected areas.

Awards:

As many as 20 awards from pool of \$3 million. Projects may last up to four years.

Eligibility:

Domestic entities affiliated with institutions on nspires.nasaprs.com/

Deadline:

03/14/2023

AwardsID(s):

NNH22ZDA001N-ECON

Links:

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=344488>, <https://nspires.nasaprs.com/external/solicitations/summy.do?sollid={99E9B9E3-A689-77C0-8B22-290D653B287F}&path=&method=init>

Transformational Tools and Technologies in Aeronautics

NASA invites research proposals to advance state-of-the-art computational and experimental tools and technologies that enable aviation applications in the six strategic thrusts of the Aeronautics Research Mission Directorate. Specifically sought in this solicitation, are proposals for work in the development of uncertainty quantification for CFD and multidisciplinary analysis, high-fidelity structural modeling for complex aeroelastic vehicle design, industry-relevant application for analytic derivatives in multidisciplinary design analysis and optimization, responsibility designation in scalable m:N architectures, collective behavior of air mobility systems, and water drop impingement measurement capability. Six subtopics are described in the funding announcement.

Notices of intent are requested by Dec 9, but are not required.

Awards:

Multiple multi-year awards up to \$250,000/year are anticipated from an annual funding pool of \$2 million.

Eligibility:

Institutions registered on NSPIRES, NASA's application portal.

Deadline:

01/13/2023

AwardsID(s):

NNH23ZEA001N-TTT

Links:

<https://nspires.nasaprs.com/external/solicitations/summary.do?sollid=%7BC0F965DD-146D-2C04-CE83-007B86DFE5BD%7D&path=&method=init>

National Science Foundation

Advanced Computing Systems & Services: Adapting to the Rapid Evolution of Science and Engineering Research

NSF seeks applications from organizations willing to serve as resource providers within the Advanced Computing Systems and Services program. Resource providers would: 1) provide advanced cyberinfrastructure (CI) resources in production operations to support the full range of computational- and data-intensive research across all of science and engineering (S&E); and, 2) ensure democratized and equitable access to the proposed resources. The current solicitation is intended to complement previous NSF investments in advanced computational infrastructure by provisioning resources, broadly defined in this solicitation to include systems and/or services, in two categories:

- Category I, Capacity Resources: production computational resources maximizing the capacity provided to support the broad range of computation and data analytics needs in S&E research; and
- Category II, Innovative Prototypes/Testbeds: innovative forward-looking capabilities deploying novel technologies, architectures, usage modes, etc., and exploring new target applications, methods, and paradigms for S&E discoveries.

NSF anticipates that at least 90% of the provisioned resource will be available to the S&E community through an open peer-reviewed national allocation process and have resource users be supported by community and other support services

Awards:

Four awards, not exceeding \$10 million, from a total pool of \$30 million.

Eligibility:

Non-profit, non-academic organizations, and U.S. institutions of higher education.

Deadline:

02/21/2023

AwardsID(s):

NSF 23-518

Links:

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=344584>

Cybersecurity Innovation for Cyberinfrastructure

The NSF Office of Advanced Cyberinfrastructure invites proposals to advance scientific discovery and innovation by enhancing the security and privacy of cyberinfrastructure.

Three programs areas, described in more detail in the announcement. are priorities for prospective applicants to consider:

- Usable and Collaborative Security for Science
- Reference Scientific Security Datasets
- Transition to Cyberinfrastructure Resilience

Awards for the first two program areas will not exceed \$600,000 over three years; Transition awards may be for up to \$1.2 million over the same time length.

Awards:

As many as 20 awards, each lasting up to 3 years, may be made from a total pool of \$11 million.

Eligibility:

Non-profit, non-academic organizations, and U.S. institutions of higher education.

Deadline:

02/17/2023

AwardsID(s):

NSF 23-517

Links:

https://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf23517

Nuclear Regulatory Commission

Using Machine Learning to Prioritize Inspections

The Nuclear Regulatory Commission seeks contractor support and technical expertise to evaluate the suitability of the commercially available machine learning (ML) systems to perform unsupervised learning to identify the safety clusters among US nuclear power plants and to perform an in-depth evaluation of a selected ML system to identify safety clusters using the inspection reports of Nuclear Regulatory Commission as input data. This is an exploratory study. The NRC recognizes that the study may not be able to identify meaningful safety clusters. However, the study shall provide the NRC a clear understanding of the technical difficulties, resource demands, and other considerations to improve the techniques to implement on NRC's regulatory applications.

Awards:

A single, 24-month contract of no more than \$150,000.

Deadline:

12/27/2022

AwardsID(s):

31310023R0005

Links:

<https://sam.gov/opp/66001c7a991e494aaf3c6de38514af91/view>, <https://www.fedconnect.net/FedConnect/default.aspx?ReturnUrl=%2fFedConnect%2f%3fdoc%3d31310023R0005%26agency%3dNRC&doc=31310023R0005&agency=NRC>

New SBIR/STTR Funding Opportunities

National Science Foundation

SBIR/STTR Phase I and II solicitations

NSF invites proposals for Phase I, proof-of-concept, awards for the Small Business Innovation Research and Small Business Technology Transfer programs. NSF SBIR/STTR program supports the creation of opportunities to move discoveries founded from fundamental science and engineering out of the lab and into the market or other use at scale, through startups and small businesses. On its program website NSF purports to "fund almost all areas of technology," and provides a list of 30 different topic areas and examples of past winners at: <https://seedfund.nsf.gov/portfolio/>. The agency points out the NSF SBIR/STTR programs also are open to proposals focusing on technical and market areas not explicitly noted, and such proposals should be submitted to "Other Topics". Interested parties are required to submit a proposal pitch prior to submitting a proposal.

Companies which have started an NSF SBIR/STTR Phase I award in the past 24 months may apply for a larger Phase II award through a companion solicitation NSF 23-516, available through the link ending in 344552 below.

Awards:

260 awards from pool of \$85 million for phase I awards, \$120 million is available to support 110 phase II awards.

Eligibility:

U.S. small business concerns (employing less than 500 people).

Deadline:

03/01/2023

AwardsID(s):

NSF 23-515

Links:

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=344554>, <https://seedfund.nsf.gov/>, <https://www.grants.gov/web/grants/view-opportunity.html?oppld=344552>

New Foundation R&D Funding Opportunities

National Multiple Sclerosis Society

Therapeutic development opportunities addressing nervous system repair

Through Fast Forward, the National Multiple Sclerosis (MS) Society is making high-impact early-stage investments to accelerate commercial R&D for new therapies, diagnostics, and symptom management strategies for MS. Examples of R&D that may be supported include, but are not limited to: medicinal chemistry or biologic

product development optimization; studies to measure target engagement or target-related pharmacodynamic effects, particularly those involving endpoints with clinical utility; proof of concept for sufficiently characterized compounds or biologics; PK/ADMET studies; IND-enabling studies such as GLP toxicology, compound scale-up, and process method validation; and studies to validate or optimize commercially viable endpoints to measure nervous system remyelination and/or repair in the clinical setting. Pre-applications are required and due Jan 4.

Awards:

Multiple awards up to \$800,000 over two years.

Eligibility:

For-profit companies and nonprofit research institutions globally.

Deadline:

01/04/2023

Links:

<https://philanthropynewsdigest.org/rfps/rfp14465-national-multiple-sclerosis-society-invites-applications-for-therapeutic-development-opportunities-addressing-nervous-system-repair>, <https://www.nationalmssociety.org/For-Professionals/Researchers/Society-Funding/Commercial-Research-Funding>

Terms and Conditions for redistribution or republication of the *SSTI Funding Supplement*

Preparation of the *SSTI Funding Supplement* is possible only through the financial support of dues-paying SSTI member organizations. Use of the *SSTI Funding Supplement* is subject to the following terms and conditions:

- Only the primary member contact, or their SSTI-approved designee, may redistribute this newsletter and/or its content and under no circumstances may the *SSTI Funding Supplement* be placed on a website or database accessible to the general public.
- Any redistribution must be limited to the SSTI member organization's staff, faculty, membership, partner organizations, and client companies.
- All redistributions must include fundingsupplement@ssti.org in the distribution list, give credit to SSTI (including a link to <https://ssti.org>), and include this Terms and Conditions statement.
- Those receiving a redistributed version of the *SSTI Funding Supplement* may not forward those emails to others or make them available to the public.
- With prior permission from SSTI, only the primary member contact, or their SSTI-approved designee, may post back issues of the *SSTI Funding Supplement* on internal and password-protected sites only.

If you have any questions about these terms, to request approval of a primary contact's designee, or to discuss an alternative licensing agreement, please contact Colin Edwards at fundingsupplement@ssti.org.