

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 (June 6)

New Funding Opportunities for TBED

Department of Agriculture

Urban Agriculture and Innovative Production Competitive Grants

The USDA Natural Resources Conservation Service invites applications for pilot projects to support the development of urban agriculture and innovative production. The two types of UAIP grants being made available for application under this opportunity are Planning Projects and Implementation Projects. Planning Projects are for supporting the development of projects that will either initiate, build upon, or expand the efforts of farmers, gardeners, citizens, government officials, schools, members of tribal communities, and other stakeholders in areas where access to fresh foods are limited or unavailable. Implementation Projects are for accelerating existing and emerging models of urban and/or innovative agricultural practices that serve multiple farmers or gardeners. Innovation may include new and emerging, as well as traditional or indigenous, agricultural practices.

Awards:

Awards up to \$50,000 for planning grants and \$300,000 for Implementation grants from a total pool of \$14.2 million

Eligibility:

501(c)(3) nonprofits, units of local government; a Tribal Government; and K-12 schools

Deadline:

08/02/2022

AwardsID(s):

USDA-NRCS-UAIP-22-NOFO00

Links:

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=340885>

Department of Energy

Clean Energy Manufacturing Innovation Institute for Industrial Decarbonization through Electrification of Process Heating

The Office of Energy Efficiency and Renewable Energy intends to issue, on behalf of the Advanced Manufacturing Office, a Funding Opportunity Announcement to support development of a Clean Energy Manufacturing Innovation Institute (CEMII) on industrial decarbonization through electrified process heating. This CEMII will accelerate the development, scale-up, and demonstration of technologies that enable electrified processes to replace conventional, fossil-based industrial process heating. Through the development of electrified heating processes and supporting modeling, simulation, and evaluation tools, this Institute will contribute substantially to an efficient, productive, and decarbonized industrial sector. The resulting CEMII is expected to be a Department of Energy supported Institute participating in the interagency Manufacturing USA program. The proposed Institute will pursue targeted research, development, and demonstration that will focus on developing and scaling electrified process heating technologies that can compete with and replace fossil-based technologies through cost competitiveness, reduced emissions, improved flexibility, and greater efficiency. The Institute will leverage expertise from industry, academia, state and local governments, non-governmental organizations, nonprofits, and Federally Funded Research and Development Centers. Electrification of industrial heating processes is one of several approaches needed to displace industrial fossil fuel combustion used to achieve mid- and high-temperatures for various industrial operations including melting, drying, pre-heating, annealing, distillation, pasteurization, hydrocarbon cracking, and others.

The pre-solicitation announcement is intended to give potential applicants more time to develop competitive, collaborative proposals.

Awards:

a single award is anticipated

Eligibility:

unrestricted

AwardsID(s):

DE-FOA-0002748

Links:

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=340810>

Regional Clean Hydrogen Hubs

In September or October of this year, the DOE Office of Clean Energy Demonstrations intends to issue a funding opportunity entitled “Regional Clean Hydrogen Hubs” (H2Hubs) in collaboration with the Energy Efficiency and Renewable Energy’s Hydrogen and Fuel Cell Technologies Office and the DOE Hydrogen Program. The specific provisions for regional clean hydrogen hubs are set forth in Section 40314 of the Bipartisan Infrastructure Law, which amends Title VIII EPCA 2005 by adding a new “Section 813 – Regional Clean Hydrogen Hubs.” Section 813(a) defines the term “regional clean hydrogen hub” as “a network of clean hydrogen producers, potential clean hydrogen consumers, and connective infrastructure located in close proximity.”

The Bipartisan Infrastructure Law authorizes and appropriates \$8.0 billion over the five-year period encompassing fiscal years 2022 through 2026 to support the development of at least four H2Hubs that:

- Demonstrably aid achievement of the clean hydrogen production standard developed under section 822(a) of Energy Policy Act of 2005 (EPCA 2005);
- Demonstrate the production, processing, delivery, storage, and end use of clean hydrogen; and

- Can be developed into a national clean hydrogen network to facilitate a clean hydrogen economy. The funding opportunity will incorporate a range of equity considerations including energy and environmental justice, labor and community engagement, consent-based siting, quality jobs, and inclusive workforce development to support the Biden Administration's decarbonization goals of a 50-52% reduction in greenhouse gas (GHG) emissions from 2005 levels by 2030, a carbon-pollution-free power sector by 2035, and a net-zero GHG emissions economy by 2050. The H2Hubs will be a key part of the National Clean Hydrogen Strategy and Roadmap, also required in the new law, and will be instrumental in meeting national decarbonization goals, including the development and deployment of clean hydrogen technologies.

NOTE: DOE is not prepared to answer questions regarding the solicitation at this time; the early notice is to give potential respondents more adequate time to assemble a successful strategy to win one of these large investments in the future energy economy.

AwardsID(s):

DE-FOA-0002768

Links:

<https://oced-exchange.energy.gov/>

Environmental Protection Agency

Brownfield Job Training Programs

EPA invites applications to deliver Brownfields Job Training programs that recruit, train, and retain a local, skilled workforce by prioritizing unemployed and under-employed residents to obtain the skills and credentials needed for pathways into full-time employment in the environmental field. While Brownfields Job Training Grants require training in brownfield assessment and/or cleanup activities, these grants also require that Hazardous Waste Operations and Emergency Response (HAZWOPER) training be provided to all individuals being trained. EPA encourages applicants to develop their curricula based on local labor market assessments and employers' hiring needs, while also delivering comprehensive training that results in graduates securing multiple certifications.

Awards:

Awards up to \$500,000 from total funding of \$12 million

Eligibility:

Governmental entities and nonprofit organizations

Deadline:

08/02/2022

AwardsID(s):

EPA-I-OLEM-OBLR-22-02

Links:

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=340816>

National Aeronautics and Space Administration

Space Technology Research Institutes in Additive Manufacturing and Remote Sensing

NASA invites proposals to support the creation of up to two Space Technology Research Institutes (STRI). Each STRI is intended to result in cutting-edge advances in technology with the potential for revolutionary impact on future aerospace capabilities. At the same time, it will expand the U.S. talent base in research and development. Proposals must address one of two topic areas: 1) Accelerating Additive Manufacturing

Certification with Model-Based Tools; or 2) Quantum Technologies for Remote Sensing. Teaming of at least three accredited universities is required; each institution must receive at least 15% of the STRI budget. Other partners (non-profit labs and private industry) may receive funding; however, 70% of the total budget must go to the university participants over the course of the five-year award. An STRI has the following key characteristics:

- A guiding vision with a resilient research strategy to systematically address and significantly advance one of the solicited research topics
- Specific research objectives with credible expected outcomes within five years
- A multidisciplinary research program that promotes the synthesis of science, engineering, and other disciplines with relevant contributions
- Leveraging existing university expertise and state-of-the-art (SoA) capabilities, including those developed through funding from other government agencies or industry partnerships
- Low-to-mid Technology Readiness Level (TRL) research; beginning TRL typically 1-2
- Innovative technical approaches that offer promise for accelerated progress
- Empowered leadership: the STRI leadership team will define and manage all research tasks to realize the research institute's vision
- A talented, diverse, cross-disciplinary, and fully integrated team to execute the research program, including multi-university participation and a strong commitment to the principles of diversity, equity, inclusion and accessibility
- The involvement of university students in the research teams
- Active, long-term, and mutually beneficial interactions with NASA Centers, industry, other government agencies, and non-profit laboratories to achieve infusion of the capabilities developed
- A supportive infrastructure and management system; personnel commitments to manage the research program and interact with outside entities
- Peer-reviewed publications of and open-source access to results wherever possible.

Preliminary proposals, due Aug 3, are mandatory; teaming is required.

Awards:

Up to two awards lasting five years, each with total funding of \$15 million

Eligibility:

Exclusive to U.S. institutions of higher education

Deadline:

08/03/2022

AwardsID(s):

80HQTR22NOA01-22STRI-B3

Links:

<https://nspires.nasaprs.com/external/solicitations/summary.do?solId=%7BE90CAFAE-2BCB-0865-E467-C69498F38418%7D&path=&method=init>

National Endowment for the Humanities

Humanities Connections

The NEH Division of Education Programs is accepting applications to expand the role of the humanities in undergraduate education at two- and four-year institutions. Awards support innovative curricular approaches that foster partnerships among humanities faculty and their counterparts in the social and natural sciences and in pre-service or professional programs (such as business, engineering, health sciences, law, computer science, and other technology-driven fields) in order to encourage and develop new integrative learning opportunities for students. Humanities Connections projects must include:

- substantive and purposeful integration of the subject matter, perspectives, and pedagogical approaches of two or more disciplines (with a minimum of one in and one outside of the humanities)
- collaboration between faculty from two or more departments or schools at one or more institutions
- experiential learning as an intrinsic part of the proposed curriculum
- long-term institutional support for the proposed curriculum innovation(s)

Planning and implementation phase awards are available.

Awards:

Awards for up to \$150,000 from total funding of \$1.5 million

Eligibility:

Public and private US institutions of higher education

Deadline:

09/01/2022

AwardsID(s):

20220901-AKA-AKB

Links:

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=340910>, <https://www.neh.gov/grants/education/humanities-connections>

Small Business Administration

Federal and State Technology Partnerships (FAST)

The SBA Office of Innovation and Technology invites applications for matching awards to support state/regional programs that increase the number of SBIR/STTR proposals leading to an increase in the number of SBIR/STTR awards from women, socially/economically disadvantaged individuals, and small businesses in underrepresented areas - typically rural states. Eligible activities can support outreach, technical assistance and financial assistance to small businesses applying for or receiving SBIR/STTR awards. Proposals must be endorsed by the state's governor or their authorized designee as the only authorized applicant from the state. In the interest of providing FAST program services to as broad a segment of the small business community as possible, SBA will take the geographical dispersion of applicants' project service areas into account when making award decisions.

Awards:

15 matching awards up to \$125,000 from a total pool of \$1.875 million

Eligibility:

US Institutions of higher education, state & local governments, and nonprofits

Deadline:

06/27/2022

AwardsID(s):

SB-OIIFT-22-001

Links:

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=340761>

New Federal R&D Funding Opportunities

Department of Defense

Assured Neuro Symbolic Learning and Reasoning

The DARPA Information Innovation Office invites proposals to advance hybrid AI algorithms, and develop evidence-based techniques that support confident assurance judgments for these algorithms. The program intends to explore diverse hybrid architectures that can be seeded with prior knowledge, acquire both statistical and symbolic knowledge through learning, and adapt learned representations. The program intends to demonstrate and evaluate hybrid AI techniques through DoD mission-relevant use-cases where assurance and autonomy are mission critical. Four topic areas are identified in the broad agency announcement; each will be approached through three phases.

- Algorithms and architecture
- Specification and assurance
- Platforms and capability demonstration
- Assurance assays and evaluations

Technical abstracts are recommended and are due June 13; full proposals are due July 26

Awards:

Multiple awards are anticipated for each topic area

Eligibility:

Unrestricted

Deadline:

06/13/2022

AwardsID(s):

HR001122S0039

Links:

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=340829>

Melanoma Research

The Army invites proposals for five funding opportunities through the Defense Melanoma Research Program (MRP).

- **Team Science Award** (W81XWH-22-MRP-TSA) OppID in the links below: 340852
- **Idea Award** (W81XWH-22-MRP-IA) OppID in the links below: 340865
- **Melanoma Academy Scholar Award** (W81XWH-22-MRP-MASA) OppID in the links below: 340851
- **Focused Program Award- Rare Melanomas** (W81XWH-22-MRP-FPA) OppID in the links below: 340849
- **Mid-Career Accelerator Award** (W81XWH-22-MRP-MCAA) OppID in the links below: 340866

Eligibility:

Unrestricted

Deadline:

10/05/2022

AwardsID(s):

W81XWH-22-MRP-TSA, W81XWH-22-MRP-IA, W81XWH-22-MRP-MASA, W81XWH-22-MRP-FPA, W81XWH-22-MRP-MCAA

Links:

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=340852>, <https://www.grants.gov/web/grants/view-opportunity.html?oppld=340865>, <https://www.grants.gov/web/grants/view-opportunity.html?oppld=340851>, <https://www.grants.gov/web/grants/view-opportunity.html?oppld=340849>, <https://www.grants.gov/web/grants/view-opportunity.html?oppld=340866>

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=340849>, <https://www.grants.gov/web/grants/view-opportunity.html?oppld=340866>

Naval Air Warfare Center Aircraft Division Office-Wide Broad Agency Announcement

The Naval Air Warfare Center Aircraft Division (NAWCAD) is interested in receiving white papers for Research and Development projects which offer potential for advancement and improvement of NAWCAD operations. Several broad areas of interest are identified in the announcement, most with subtopics as well.

The broad areas include:

- Artificial Intelligence/Machine Learning
- Data Science & Visualization
- Cyber
- Quantum
- Hypersonic Systems
- Test and Evaluation Engineering
- Avionics, Sensors & Electronic Warfare
- Secure Communications & Networks
- Warfare Analysis
- Readiness and Sustianment
- Materials and Aircraft Structures
- Aeromechanics
- Mechanic Aystems
- Power and Propulsion Systems
- Human Systems
- Support Equipment
- Systems Engineering

NAWCAD is open to other novel suggestions as well. Funding levels to explore topics identified in selected white papers will vary; there is no predetermined floor or ceiling and no pre-set number of awards anticipated. White Papers may be submitted at any point over the coming year.

Awards:

Undetermined

Eligibility:

Unrestricted, except for FFRDCs and Federal Labs

Deadline:

06/01/2023

AwardsID(s):

N00421-22-S-0001

Links:

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=340879>

Parkinson's Research

The Army invited proposals in response to three funding opportunity related to the Defense Parkinson's Disease (PD) Research Program:

- **Early Investigator Research Award** (W81XWH-22-PRP-EIRA) OppID in the links below: 340824
- **Investigator-Initiated Research Award** (W81XWH-22-PRP-IIRA) OppID in the links below: 340782

- **Synergistic Idea Award** (W81XWH-22-PRP-SIA) OpplD in the links below: 340783

Eligibility:

Unrestricted

Deadline:

09/01/2022

AwardsID(s):

W81XWH-22-PRP-EIRA, W81XWH-22-PRP-IIRA, W81XWH-22-PRP-SIA

Links:

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=340824>, <https://www.grants.gov/web/grants/view-opportunity.html?oppld=340782>, <https://www.grants.gov/web/grants/view-opportunity.html?oppld=340783>

Department of Energy

Energysshed: Exploring Place-Based Generation

The DOE Office of Energy Efficiency and Renewable Energy invites proposals to invest in innovative research, development, and demonstration projects that accelerate the large-scale development and deployment of renewable energy to support an equitable transition to a decarbonized electricity system by 2035 and net-zero emissions economy by 2050. The goal of this funding opportunity is to develop the tools and processes to help a broad set of stakeholders including utilities, local governments, and community-based organizations; understand the implications and participate in the development of locally-based energy generation in their community. To achieve this goal, applicants will assimilate data from a variety of sources into novel tools, “dashboards,” or other applications that will assess the impacts and tradeoffs, including potential benefits and challenges of locally-based energy generation. These tools should be accessible and easy-to-use to a wide array of stakeholders that are not necessarily electric power system experts

Awards:

2-5 awards lasting 1-3 years from total funding of \$10 million

Eligibility:

Unrestricted

Deadline:

08/01/2022

AwardsID(s):

DE-FOA-0002565

Links:

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=340927>, <https://eere-exchange.energy.gov/>

R&D in Energy Management Control Systems

The DOE Golden Field Office has issued a request for information from industry, academia, research laboratories, government agencies, and other stakeholders on issues related to building energy management systems (hardware, software, cybersecurity, and interoperability). This information will be used to update the Building Technologies Office's R&D strategy and support energy savings, emissions reduction, and cost reduction goals, and inform future strategic planning and adjustments to its R&D portfolio.

Awards:

none - this is a request for information only

Eligibility:

unrestricted

Deadline:

07/18/2022

AwardsID(s):

DE-FOA-0002723

Links:

<https://www.grants.gov/web/grants/view-opportunity.html?opId=340891>

Department of Health and Human Services

Transformative Research on the Basic Mechanisms of Polysubstance use in Addiction

The National Institute on Drug Abuse invites proposals to support projects proposing mechanistic studies that will transform our understanding of polysubstance use in addiction. These hypothesis-based, exploratory projects may investigate mechanisms of polysubstance use at the behavioral, cognitive, cellular, circuit, genetic, epigenetic, pharmacological and/or computational levels. A vast majority of research on substance use disorders (SUDs) is focused on individual substances even though many users of addictive substances engage in polysubstance use. An individual is a polysubstance user if they use more than one addictive substance within a defined interval; the use may be sequential (use of multiple substances on separate occasions), or concurrent/simultaneous. Limiting studies to an individual addictive substance overlooks interaction between substances and possibly influences the translatability of preclinical research findings.

Awards:

3-5 awards from total funding of \$3 million

Eligibility:

Unrestricted

Deadline:

10/14/2022

AwardsID(s):

RFA-DA-23-015

Links:

<https://grants.nih.gov/grants/guide/rfa-files/RFA-DA-23-015.html>

Centers of Excellence in Maternal Health Research

On or about July 25, the *Eunice Kennedy Shriver* National Institute of Child Health and Human Development, on behalf of the NIH Maternal Mortality Task Force, intends to promote a new initiative by publishing Funding Opportunity announcements to solicit applications to establish a national network of Maternal Health Research Centers of Excellence. The collaborative FOAs will conduct research to mitigate preventable maternal mortality, decrease severe maternal morbidity, and promote health equity. This Notice is being provided to allow potential applicants sufficient time to develop meaningful collaborations and responsive projects.

Awards:

not applicable

Eligibility:

Expected to be unrestricted domestically

Deadline:

11/30/2022

AwardsID(s):

NOT-HD-22-022

Links:

<https://grants.nih.gov/grants/guide/notice-files/NOT-HD-22-022.html>

Special Interest: Climate Change and Health

Several components of the National Institutes of Health have issued a joint statement regarding roughly four dozen existing, open funding opportunities that there is special interest in receiving proposals that are focused on reducing the health threats posed by climate change across the lifespan; improving the health of people who are at increased risk from or disparately affected by climate change impacts; and building health resilience among individuals, communities, Tribal Nations, and nations around the world, thereby increasing health equity. As a part of this concern, this particular notice encourages applications that address the impact of climate change on health and well-being over the life course, including the health implications of climate change in the United States and globally. Each of 14 Institutes identify specific topics of interest.

Awards:

various

Eligibility:

various

AwardsID(s):

NOT-ES-22-006

Links:

<https://grants.nih.gov/grants/guide/notice-files/NOT-ES-22-006.html>

Department of Justice**Methodological Research on Measuring Community- and Officer-Initiated Law Enforcement Activity**

The Bureau of Justice Statistics seeks applications to support a single 18-month cooperative agreement s expected to take 18 months to achieve the following objectives: 1) defining a methodology for capturing analyzable data on community- and officer-initiated LE activity from nonstandard information in locally administered records systems; 2) developing a normalized, analytic database of records on such LE activity from 15 to 25 agencies as a “proof of concept;” and, 3) reporting on the feasibility of and methodology required to scale up the proof-of-concept database to a nationally representative collection committed to advancing work that promotes civil rights and racial equity, increases access to justice, supports crime victims and individuals impacted by the justice system, strengthens community safety and protects the public from crime and evolving threats, and builds trust between law enforcement and the community. Data on community- and officer-initiated law enforcement (LE) activity provides a wealth of largely untapped opportunities for researchers and practitioners to evaluate and develop policies and practices. Systematic data collection about police activity would— facilitate better understanding of LE workload, to determine the nature and circumstances of LE assistance or intervention and what happens as a result of the LE activity. enable LE agencies and policymakers to make evidence-informed decisions about how to

use LE resources, evaluate police responses, improve officer safety, improve stakeholder service, and address other community issues, such as drug abuse and mental illness. support development of national best practices for how computer-aided dispatch data are collected and stored, to facilitate a long-term, sustainable measure of police-public events.

Awards:

a single \$500,000 award

Eligibility:

public/private institutions of higher education, nonprofit/for-profit organizations

Deadline:

07/18/2022

AwardsID(s):

O-BJS-2022-171347

Links:

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=340739>

Department of the Interior

Desalination and Water Purification Research Program Pitch to Pilot

The Bureau of Reclamation seeks proposals to develop innovative and disruptive new technologies or processes to address one or more of the following goals:

- Reduce the costs, energy requirements, and/or environmental impacts of treating impaired and unusable water to standards necessary for an identified beneficial use.
- Improve efficiency of water treatment processes—either by improvements to pre-treatment, post-treatment, monitoring, sensors, or other innovative process/technology. Increase effectiveness of reverse osmosis/nanofiltration concentrate management by reducing cost, energy, and/or environmental impacts.
- Treat brackish groundwater in a less energy-intensive way than current processes and technologies.
- Address costs, energy usage, and/or environmental impacts of seawater desalination, including intakes and/or outfalls Improve the detection, characterization, monitoring, separation, or destruction of per- and polyfluoroalkyl substances and other contaminants of concern.

Technical proposals are due and must be approved to compete for a financial award during Phase II of the application process.

Awards:

10 awards, each up to \$200,000

Eligibility:

Unrestricted domestically

Deadline:

07/12/2022

AwardsID(s):

R22AS00316

Links:

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=340740>

National Aeronautics and Space Administration

NASA Innovative Advanced Concepts (NIAC) Phase I

The Space Technology Mission Directorate invites Phase I applications to support innovative research for studying visionary, yet credible, advanced concepts in the NIAC Program. NIAC's goal is to "Change the Possible" in aerospace and aeronautics missions. Concepts are solicited from any field of study that offers a radically different approach or disruptive innovation that may significantly enhance or enable new human or robotic science and exploration missions. A Phase I award is anticipated to last only nine months to explore the overall feasibility and viability of the concepts proposed. There are two steps to the Phase I proposal process; a brief Step A proposal open to all applicants, and an expanded Step B for those who are invited. Step A proposal is due on July 1, 2022 and the Step B proposal (by invitation only) is due on September 8, 2022.

Awards:

Twelve awards up to \$175,000 each

Eligibility:

Unrestricted

AwardsID(s):

80HQTR22NOA01-23NIAC-A1

Links:

<https://nspires.nasaprs.com/external/solicitations/summary.do?solid=%7B54539FBC-2030-99C0-3D8B-0782F9B57B16%7D&path=&method=init>

National Science Foundation

Research at the Interface of the Biological and Mathematical Sciences

The NSF Directorate for Mathematical and Physical Sciences and the National Institute of General Medical Sciences within NIH jointly invite proposals to support fundamental research in mathematics and statistics necessary to answer questions in the biological and biomedical sciences. Both agencies recognize the need to promote research at the interface between mathematical and life sciences. This program is designed to encourage new collaborations, as well as to support innovative activities by existing teams. A successful proposal is expected to address clearly stated biological/biomedical questions, make a compelling case for and develop innovative mathematical/computational/statistical methods or integrate disparate mathematical/computational/statistical fields, and articulate a well-defined plan for the mathematics or statistics to drive biological/biomedical discovery within the funded period. The joint initiative offers two submission tracks: Track 1 - for projects with a total budget of up to \$600,000 for an award duration of 3 years, and Track 2 - for projects with a total budget of up to \$1,200,000 for an award duration of 3-4 years.

Awards:

15-25 awards are anticipated from a total pool of \$5 million.

Eligibility:

Unrestricted domestically, with the exception/exclusion of unaffiliated individuals.

Deadline:

09/19/2022

AwardsID(s):

NSF 22-600

Links:

<https://www.nsf.gov/pubs/2022/nsf22600/nsf22600.htm>

New SBIR/STTR Funding Opportunities

Department of Health and Human Services

Innovative Technologies for Research on Climate Change and Human Health

Ten institutes with the NIH invite SBIR and STTR proposals from small businesses to develop commercializable tools, resources, and approaches to capture the effects of climate change and the associated impacts of extreme weather events on human health and to support adaptation or mitigation strategies to minimize health hazards and impacts from climate change. Technologies may include new approaches for detecting climate change-associated exposures, including temperature and air quality, training tools on climate change and mitigation strategies for patients with underlying health conditions, intervention approaches for reducing contaminants water or in indoor air, modeling and prediction tools for climate-change-related weather events and related health effects, and technologies for delivery of health care, including mental health services to communities during extreme weather events. Within this announcement, each of the ten institutes have issued lists of specific topics of interest across the climate change-human health nexus. Proposals should be submitted along the guidelines published in the relevant NIH Omnibus Solicitations also released in the previous week.

Eligibility:

U.S. small business concerns

Deadline:

09/05/2022

AwardsID(s):

NOT-ES-22-009

Links:

<https://grants.nih.gov/grants/guide/notice-files/NOT-ES-22-009.html>

Omnibus Solicitation of the NIH, CDC and FDA for SBIR Grant Applications

Each year, HHS publishes omnibus solicitations to guide small businesses through the 40 year old Small Business Innovation Research (SBIR) program and its affiliate Small Business Technology Transfer (STTR) program. Both programs are exclusively open to U.S. small business concerns and provide competitive non-dilutive grant funding to support R&D for innovation germane to the missions and interests of participating federal agencies. Those federal agencies with extramural research budgets over \$100 million are required to set-aside 3.2% of their extramural research budget to the SBIR program, and those with extramural research budgets over \$1 billion are required to set aside an additional 0.45% to the STTR program. As a result of this formula, the Department of Health and Human Services is the second largest source of SBIR/STTR funding for small businesses, behind only the Department of Defense.

NIH can support the following five types of awards:

- SBIR or STTR Phase I awards are short term and are to establish the technical merit and feasibility of the proposed R&D concept
- SBIR/STTR Phase II awards continue the Phase I R&D efforts to advance the technology toward ultimate commercialization. At the conclusion of an SBIR/STTR Phase II, it is expected that the small business will fully commercialize their product or technology using non-SBIR/STTR funds (either federal or non-federal)
- NIH SBIR Fast-Track incorporates a submission and review process in which both Phase I and Phase II applications are submitted and reviewed together as one application to reduce or eliminate the funding gap between phases.
- NIH Direct to Phase II: For small businesses that have already demonstrated scientific and technical merit and feasibility but have not received a Phase I SBIR or STTR for that project, NIH can issue a Direct to Phase II award.

- NIH Phase IIB: Some projects initiated with SBIR or STTR funding require considerable financing beyond the SBIR and STTR Phase II to achieve commercialization. NIH Institutes and Centers (ICs) may allow small businesses who have been awarded a Phase II SBIR or STTR to submit a Phase IIB (second, sequential Phase II) SBIR or STTR application that will provide additional funding for Phase II SBIR or STTR projects.

There are three deadlines for submitting applications for review; the first is Sep 5, 2022. Future dates are Jan 5, 2023 and Apr 5, 2023. Solicitation numbers PA-22-176 and PA-22-177 are for SBIR proposals. STTR instructions are provided in PA-22-178 and PA-22-179.

Eligibility:

U.S. small business concerns

Deadline:

09/05/2022

AwardsID(s):

PA-22-176 , PA-22-177, PA-22-178, PA-22-179

Links:

<https://grants.nih.gov/grants/guide/pa-files/PA-22-176.html>, <https://grants.nih.gov/grants/guide/pa-files/PA-22-177.html>, <https://grants.nih.gov/grants/guide/pa-files/PA-22-178.html>, <https://grants.nih.gov/grants/guide/pa-files/PA-22-179.html>

New Foundation R&D Funding Opportunities

American College of Veterinary Ophthalmologists' Vision for Animals Foundation

Science to advance animal ophthalmic health

Applications in response to this request for proposals can be either clinical or basic science in nature. An overarching goal of the ACVO-VAF research initiative is to support quality research and co-join basic and clinical research to understand underlying disease pathogenesis and accelerate progress toward developing effective diagnostics and/or therapeutics. There are no restrictions on the targeted disease, tissue, or species. Each applicant will need to convince the reviewers that the proposed research project will advance the science of veterinary ophthalmology. Applications are encouraged from academic institutions, private practice, or a collaboration between the two.

Awards:

\$50,000 grants for direct costs only

Deadline:

07/01/2022

Links:

<https://www.visionforanimals.org/grant-programs/vaf-2022-grant-program/>

American Association for Cancer Research

Pediatric Cancer Research Fellowship

AACR and Day One Biomedical Research invite fellowship applications to encourage and support postdoctoral or clinical research fellows to conduct pediatric cancer research and to establish a successful career path in this field. The research proposed for funding must have direct applicability to pediatric cancer and may be basic, translational, or clinical. A partial amount of funds may be designated for non-

personnel expenses, such as research/laboratory supplies, equipment, publication charges for manuscripts that pertain to the funded project, and other research expenses.

Awards:

two-year grant of \$200,000

Eligibility:

Must have a doctoral degree in a related field

Deadline:

07/06/2022

Links:

<https://philanthropynewsdigest.org/rfps/rfp13863-american-association-for-cancer-research-invites-applications-for-pediatric-cancer-research-fellowship-program>

American Psychological Foundation

Research connecting physical and mental health

The [American Psychological Foundation](#) invites applications for its Marian R. Stuart Grant. Through the program, a single grant of up to \$20,000 will be awarded in support of research, practice, or education of an early-career psychologist exploring the connection between mental and physical health, particularly for work that contributes to public health. Examples include but are not limited to research-based programs that teach medical doctors counseling skills, research-based programs on the effect of behavior on health, and research-based programs on psychologists' role in medical settings for the benefit of patients. Priority will be given to psychologists working in medical schools.

Awards:

\$20,000 grant

Eligibility:

early career researchers affiliated with a nonprofit charitable, educational, or scientific institution, or governmental entity operating exclusively for charitable and educational purposes.

Deadline:

07/01/2022

Links:

<https://www.apa.org/apf/funding/stuart-grant?tab=2>

Burroughs Wellcome Fund

Climate Change and Human Health Seed Grants

The Burroughs Wellcome Fund aims to stimulate the growth of new connections between scholars working in largely disconnected fields who might together change the course of climate change's impact on human health. BWF is particularly but not exclusively interested in activities that build connections between basic/early biomedical scientific approaches and ecological, environmental, geological, geographic, and planetary-scale thinking, as well as population-focused fields including epidemiology, public health, and demography, economics, and urban planning. Also of interest is work piloting new approaches or new interactions toward reducing the impact of health-centered activities, for example, developing more sustainable systems for health care, care delivery, and biomedical research systems. Another area of interest is preparation for the impacts of extreme weather and other crises that can drive large-scale disruptions that immediately impact human health and healthcare delivery. Public outreach, climate communication, and education efforts focused on the intersection of climate and health are also appropriate for this call.

Awards:

Multiple awards ranging between \$2,500 - \$50,000 from total pool of \$1 million

Deadline:

06/29/2022

Links:

<https://www.bwfund.org/funding-opportunities/climate-change-and-human-health/climate-change-and-human-health-seed-grants/>

North American Society for Pediatric Gastroenterology, Hepatology, and Nutrition

Young investigators in pediatric gastroenterology, hepatology, and nutrition research

NASPGHAN invites proposals for its Young Investigator Development Awards in support of research activities with the potential to lead to an independent research career in pediatric gastroenterology, hepatology, or nutrition. NASPGHAN welcomes applications in two categories:

- **NASPGHAN Foundation/NASPGHAN George Ferry Young Investigator Development Award:** This grant will be awarded to support a meritorious clinical, quality improvement, translational, or basic science research project related to diseases of the gastrointestinal tract, liver, pancreas, or nutritional disorders of children.
- **NASPGHAN Foundation/Reckitt /Mead Johnson Nutrition Research Young Investigator Development Award:** This grant, generously supported by Reckitt / Mead Johnson Nutrition, will be awarded to support a meritorious clinical, quality improvement, translational or basic science research project relating to nutrition in infancy, childhood, or adolescence.

Investigators may apply for both grants, as long as the proposed studies adhere to all criteria for each grant.

Awards:

\$75,000 for up to 2 years

Eligibility:

junior faculty at US institutions of higher education (NASPGHAN members)

Deadline:

07/01/2022

Links:

<https://philanthropynewsdigest.org/rfps/rfp13857-naspghan-invites-applications-for-pediatric-gastroenterology-hepatology-and-nutrition-research>

St. Baldrick's Foundation

Infrastructure awards for continuing childhood cancer research

The foundation invites applications for its Infrastructure Awards supporting promising research focused on finding cures for childhood cancers and allowing survivors to live long and healthy lives. These grants are not for a specific research project but rather for resources to allow more research to be done. Applications to support Clinical Research Associate type positions are preferred. Preference is given to institutions with high needs and low philanthropic support in geographical areas where St. Baldrick's funds are raised. Infrastructure grants are designed to provide an infusion of funds to enable an institution to acquire the personnel (i.e., a clinical research associate) or resources it needs to reach its potential in broader clinical trial participation.

Awards:

Up to \$50,0000

Eligibility:

MDs and PhDs at US academic, medical and nonprofit research institutions

Deadline:

07/08/2022

Links:

<https://philanthropynewsdigest.org/rfps/rfp13864-st.-baldrick-s-foundation-invites-applications-for-continuing-childhood-cancer-research>

New Challenges and Prize Competitions

Foundation for Food & Agriculture Research

Food Waste Challenge

In collaboration with The Kroger Co. Zero Hunger | Zero Waste Foundation, the Foundation for Food & Agriculture Research seeks applications to develop an original innovative methodology for regularly occurring quantitative measurement of food waste generated in US households that stakeholders across the food system can use. Through the program, grants of up to \$1 million over 18 months will be awarded for innovative and transformative research to develop a methodology for regularly occurring quantitative measurement of food waste in United States households that stakeholders across the food system can use. A key component of developing such a measurement methodology is access to and collection of quality data, which, in turn, requires effective data management. Establishing such a methodology would require the collaboration of researchers and practitioners across multiple sectors and disciplines.

Awards:

Unspecified number.

Eligibility:

institutions of higher education, nonprofit and for-profit organizations, government-affiliated researchers, and domestic and international organizations.

Deadline:

07/13/2022

Links:

<https://philanthropynewsdigest.org/rfps/rfp13866-foundation-for-food-agriculture-research-invites-applications-for-food-waste-challenge>

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