

UMD

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 (May 24)

New Funding Opportunities for TBED

Bank of America Charitable Foundation

Small Business & Neighborhood Revitalization services

The Bank of America Charitable Foundation works to develop strong partnerships with nonprofit organizations to address issues fundamental to economic mobility and social progress in low- and moderate-income communities. The foundation invites proposals that address economic mobility focused on the community's needs, focusing on affordable housing, small business, and neighborhood revitalization. Two of the three categories:

- **Small Business:** Examples include technical assistance supporting business planning (short and long term); operational capacity of CDFIs delivering essential growth capital to entrepreneurs; supporting organizations assisting minority-owned small businesses; creating business incubators and accelerators that provide mentorships, resources, and networks that entrepreneurs need to launch, fund and grow their businesses; and assisting economic development efforts that promote small business growth and healthy commercial corridors. (e.g., Mainstreet).
- **Neighborhood Revitalization:** Examples include revitalization, preservation, and stabilization initiatives that engage community stakeholders in building livable communities; transit-oriented development efforts that connect individuals to jobs, services, schools, and economic opportunity; community arts and cultural institutions that provide economic opportunity and contribute to the vitality and livability of communities; resiliency of communities supporting short- and long-term plans to prepare for, withstand, and recover from extreme weather events and the impacts of climate change; environmental efforts through the preservation, creation, or restoration of open space, parks, and community gardens; and supporting organizations/initiatives that bring energy efficiency and renewable energy advances to LMI/BIPOC communities.

Awards:

Large market grants (\$5,000-\$50,000); smaller markets (\$2,500-\$25,000)

Eligibility:

501(c)(3) nonprofit organizations in nearly 100 metros and selected states

Deadline:

06/24/2022

Links:

<https://about.bankofamerica.com/en/making-an-impact/charitable-foundation-funding>

Department of Commerce

Middle Mile Grant Program

The National Telecommunications and Information Administration invites applications for the Middle Mile Broadband Infrastructure Grant Program provides funding for the construction, improvement, or acquisition of middle mile infrastructure. The purpose of the grant program is to expand and extend middle mile infrastructure to reduce the cost of connecting areas that are unserved or underserved to the internet backbone. Eligibility is limited to State, political subdivision of a State, Tribal government, technology company, electric utility, utility cooperative, public utility district, telecommunications company, telecommunications cooperative, nonprofit foundation, nonprofit corporation, nonprofit institution, nonprofit association, regional planning council, Native entity, economic development authority, or any partnership of two or more of these entities.

Awards:

Up to \$980 million is available for 5-year awards ranging between \$5 million and \$100 million

Eligibility:

see description

Deadline:

09/30/2022

AwardsID(s):

NTIA-MMG-2022

Links:

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=340300>

Broadband Equity, Access, and Deployment Program

The National Telecommunications and Information Administration has issued the guidance for grants under the Broadband Equity, Access, and Deployment Program (BEAD). BEAD provides new federal funding for NTIA to grant to all fifty states, the District of Columbia, and Puerto Rico (States), as well as American Samoa, the Commonwealth of the Northern Mariana Islands, Guam, and the United States Virgin Islands (Territories), and in certain circumstances political subdivisions of these States and Territories, for broadband planning, deployment, mapping, equity, and adoption activities. Funding is distributed primarily based on the relative number of “unserved” locations (*i.e.*, broadband-serviceable locations that lack access to Reliable Broadband Service at speeds of at least 25 Mbps downstream and 3 Mbps upstream and latency levels low enough to support real-time, interactive applications) in each State and Territory. Each State is eligible to receive a minimum of \$100 million and each Territory is eligible to receive a minimum of \$25 million.

Awards:

Multiple (in every state and territory)

Deadline:

07/18/2022

AwardsID(s):

NTIA-BEAD-2022

Links:<https://www.grants.gov/web/grants/view-opportunity.html?oppld=340304>**State Digital Equity Planning Grants**

Under the State Digital Equity Planning Grant Program, the National Telecommunications and Information Administration will award grants to the 50 states, the District of Columbia, and Puerto Rico (the States) for the purpose of developing State Digital Equity Plans. Through these Plans, each State will, among other things, identify barriers to digital equity in the State and strategies for overcoming those barriers. The State Digital Equity Planning Grant Program is part of the larger State Digital Equity Capacity Grant Program, the purpose of which is to promote the achievement of digital equity, support digital inclusion activities, and build capacity for efforts by States relating to the adoption of broadband by residents of those States. States interested in participating in the State Digital Equity Capacity Grant Program must first complete State Digital Equity Plans (see announcement for details).

Eligibility:

State entities

Deadline:

07/12/2022

AwardsID(s):

NTIA-DE-PLAN-2022

Links:<https://www.grants.gov/web/grants/view-opportunity.html?oppld=340301>**Department of Defense****Defense Manufacturing Community Support Program**

The Office of Local Defense Community Cooperation invites applications to undertake long-term investments in critical skills, facilities, research and development, and small business support in order to strengthen the national security innovation and manufacturing base. The program also seeks to ensure complementarity of those communities so designated with existing Defense Manufacturing Institutes. Defense Manufacturing Institutes are manufacturing ecosystems established since 2014, with common manufacturing and design challenges revolving around specific technologies. To date, the Department of Defense has established nine Manufacturing Institutes - <https://www.dodmantech.mil/Manufacturing-Innovation-Institutes/>. (For complete roster of all existing manufacturing institutes, see link at <https://www.manufacturingusa.com/institutes>.)

Please note, the application process as follows:

1. Any consortium interested in responding must apply for and compete to receive designation as a Defense Manufacturing Community (DMC).
2. Upon receiving the above designation, selected consortia will be invited to submit a grant application for funding.

To be designated as a "Defense Manufacturing Community," consortia composed of members of academia, defense manufacturers, workforce organizations, defense industry and association-led organizations, non-profit organizations, State and local government organizations and various combinations thereof, may apply under this notice. Consortia that received DMC designation and grant funding in FY 2020 or FY2021 are ineligible for this funding cycle.

Each applying consortia must define its geographic service region. In general, the geographic scope of consortia seeking Defense Manufacturing Community designation should be large enough to contain

critical elements of the key defense technologies or supply chains prioritized by the applicant, but small enough to enable close collaboration. The geographic size of the consortium need not be limited by traditional jurisdictional boundaries, but should demonstrate an optimal composition that promotes the effectiveness, collaboration and efficiency that strengthens the defense industry's innovation base. Federal funding through the program must be matched by a minimum of 20 percent from other sources. The Office of Local Defense Community Cooperation will hold pre-proposal webinars on June 1, 2022 and June 15, 2022 at 11 a.m. PDT, to review the goals and objectives of the program and answer questions from interested respondents.

Awards:

Multiple five-year, matching grant awards of up to \$5 million will be made from a total pool of \$30 million.

Eligibility:

Tribal, state, county and local governments; public & private academic institutions; and 501(c)(3) nonprofits

Deadline:

07/19/2022

AwardsID(s):

OLDCC-22-F-0001

Links:

<https://oldcc.gov/defense-manufacturing-community-support-program>, <https://www.grants.gov/web/grants/view-opportunity.html?opId=338460>

Research and Education Program for Historically Black Colleges and Universities and Minority-Serving Institutions

The Dept of the Army -- Materiel Command invites applications to: a) enhance research programs and capabilities in scientific and engineering disciplines critical to the national security functions of DoD; b) enhance the capacity of HBCU/MI to participate in DoD research programs and activities; and c) increase the number of graduates, including underrepresented minorities, in fields of science, technology, engineering, and mathematics important to the defense mission.

Projects proposed for funding must be for **basic research**. As defined by the Defense Department "basic research" is systematic study directed toward greater knowledge or understanding of the fundamental aspects of phenomena and of observable facts without specific applications towards processes or products in mind. It includes all scientific study and experimentation directed toward increasing fundamental knowledge and understanding in those fields of the physical, engineering, environmental, life sciences, and information sciences related to long-term national security needs. Methods through which these goals can be achieved are varied. Factors such as research capabilities, facilities, and equipment are unique to each institution. Therefore, DoD will not prescribe the approach for a research project; instead, it expects applications to reflect the unique needs and capabilities of the applicant institution. The individual award ceiling is \$800,000.

Awards:

Up to 150 awards from a total pool of \$28 million

Eligibility:

Eligible applicants include community colleges or other two-year degree granting institutions meeting the definition of a "covered educational institution" eligible for assistance under Title III or V of the Higher Education Act of 1965.

Deadline:

08/12/2022

AwardsID(s):

W911NF-22-S-0010

Links:

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=340470>

National Science Foundation

Regional Innovation Engines Q&A Sessions & Roadshows

The NSF [Regional Innovation Engines](#) program, increasingly referred to as simply NSF Engines, is anticipated to award selected regions up to \$160 million over ten years. The recipients are expected to fundamentally improve the capacity of their regions to "develop global leaders in use-inspired research in topic areas of national importance" through inclusive innovation and self-driven regional innovation systems. In the first funding announcement, available [here](#) along with a video of the introductory webinar, NSF anticipates funding dozens of Phase I planning awards and perhaps up to five full-blown \$160 million Engines. Receipt of a Phase I award is not required to receive the large Phase II grants.

The NSF Engines team will conduct a Question & Answer session on June 21.

The NSF Engines roadshows are regionally focused virtual events. Each roadshow includes a brief overview of the NSF Engines program, a panel discussion with leading ecosystem builders from across the country, and interactive breakout rooms to facilitate collaboration with others from your region. The first roadshow stop was May 19 and targeted interested parties in the following states: CO, KS, MO, ND, NE, NM, OK, SD, TX, WY. More information and registration opportunities are available at the Eventbrite link below. The schedule for the remaining four stops is:

- Stop 2 (CT, DE, MA, ME, NH, NJ, NY, PA, RI, VT): May 25, 2022: 2 – 4 p.m. EDT
- Stop 3 (AK, AZ, CA, HI, ID, MT, NV, OR, UT, WA, other U.S. territories): June 7, 2022: 2 – 4 p.m. EDT
- Stop 4 (AR, IA, IL, IN, KY, MI, MN, OH, TN, WI): June 9, 2022: 2 – 4 p.m. EDT
- Stop 5 (AL, DC, FL, GA, LA, MD, MS, NC, PR, SC, VA, VI, WV): June 15, 2022: 2 – 4 p.m. EDT

Additionally, NSF is holding several blocks of time for individualized office hours over the course of the application period. As the number of slots will be limited, members representing the same regional team should plan to join the same office hour appointment. Appointments are available at the Calendly.com link below.

Eligibility:

Unrestricted domestically

Deadline:

06/30/2022

AwardsID(s):

NSFBAA-ENGINES-2022-05-1

Links:

<https://nsfengines.eventbrite.com>, <https://calendly.com/nsfengines>

New Federal R&D Funding Opportunities

Department of Commerce

Saltonstall-Kennedy Competition for Fisheries Research

The National Oceanic and Atmospheric Administration invites applications to support grants or cooperative agreements for fisheries R&D projects addressing aspects of U.S. fisheries, including, but not limited to, harvesting, processing, marketing, and associated business infrastructures. Proposals submitted to this competition must address at least one of the following priorities: Promotion, Development, and Marketing; Science or Technology that Promotes Sustainable U.S. Seafood Production and Harvesting. Matching funds are not required. The original due date of July 18, 2022 has been extended until Oct 31, 2022.

Awards:

Up to 500 awards may be made ranging between \$25,000 and \$300,000 each

Deadline:

10/31/2022

AwardsID(s):

NOAA-NMFS-FHQ-2023-200733

Links:

<https://www.grants.gov/web/grants/view-opportunity.html?opId=340525>

Department of Defense

Chronic Pain Management

The Army invited proposals in response to three funding opportunity related to the Defense Chronic Pain Management program.

- The **Clinical Exploration Award (CEA)** will support proof-of-principle pilot studies, clinical trials, and correlative studies to investigate hypothesis-based, innovative interventions and/or avenues of research that have the potential to resolve current clinical barriers and result in a profound impact on the management of chronic pain. While therapeutic approaches proposed for testing through the CEA must represent novel, hypothesis-based, “outside-the-box” approaches for managing chronic pain, they may include therapies already in clinical use, or undergoing clinical testing, for other diseases, provided that the proposed use for chronic pain management would lead to a major advancement in patient care. In addition, while not required, applications focusing on Complementary and Integrative Health (CIH) or non-pharmacological interventions are encouraged. Four awards are anticipated from total funding of \$1.6 million. Solicitation: W81XWH-22-CPMRP-CEA
- The **Investigator-Initiated Research Award (IIR)** supports studies that have the potential to make significant advances in the research, patient care and/or quality of life in the award's FY22 IIRA Focus Areas. IIRA applications may involve basic, translational, and clinically oriented research, including studies in animal models, research with human anatomical substances, and research with human subjects, as well as correlative studies associated with an existing clinical trial; however, this award may not be used to conduct clinical trials. Multidisciplinary collaborations and innovative approaches are encouraged. Studies seeking to advance new and novel opioid-based therapeutic interventions do not meet the intent of the award mechanism and will not be selected for funding. Studies seeking to understand and reduce opioid utilization in chronic pain management within the context of current prescribing practices are acceptable. Five awards are anticipated from a total funding pool of \$7.2 million. Solicitation: W81XWH-22-CPMRP-IIRA
- The **Translational Research Award (TRA)** supports research that will accelerate the movement of evidence-based ideas in chronic pain management research into clinical applications, such as healthcare products, technologies, clinical practice guidelines, and/or models of care. TRA applications should explain how the proposed work will inform the development, refinement, and/or revision of existing standards of care, recommendations, or guidelines for managing chronic pain. Studies seeking to advance new and novel opioid-based therapeutic interventions do not meet the intent of the award mechanism and will not be selected. Two awards are anticipated from a total pool of \$4.48 million. Solicitation: W81XWH-22-CPMRP-TRA

Eligibility:

Unrestricted domestically

Deadline:

10/13/2022

AwardsID(s):

W81XWH-22-CPMRP-CEA, W81XWH-22-CPMRP-IIRA, W81XWH-22-CPMRP-TRA

Links:

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=340648>, <https://www.grants.gov/web/grants/view-opportunity.html?oppld=340629>, <https://www.grants.gov/web/grants/view-opportunity.html?oppld=340630>

H6

The H6 program within the DARPA Microsystems Technology Office invites proposals to develop ultra-small, low-power, fieldable clocks that can maintain microsecond precision for one week. DARPA is interested in any technology that could attain this goal. Proposed research should investigate innovative approaches that enable revolutionary advances in science, devices, or systems. Specifically excluded is research that primarily results in evolutionary improvements to the existing state of practice.

Awards:

Multiple awards are anticipated

Eligibility:

Unrestricted

Deadline:

06/16/2022

AwardsID(s):

HR001122S0038

Links:

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=340451>, <https://sam.gov/opp/fba0b64702914a0ab95f26681362cf79/view>

Hearing Restoration Focused Research Award

The Dept. of the Army invites proposals to support promising research that accelerates drug discovery and therapeutic development for hearing restoration after military-relevant auditory system injury or accelerates advances in diagnosis of auditory dysfunction in austere environments. Applicants must address one of four topic areas:

- Accelerate translation of biological regeneration/repair mechanisms into therapies that treat auditory system injury and restore auditory function. For example, but not limited to: Hair cell regeneration/repair/recovery, Neural regeneration/repair/recovery or Treatment for synaptopathy and hidden hearing loss
- Diagnostic tests that help differentiate sensory, neural, synaptic, and central processing disorders, that may inform applicability and outcomes for current or future hearing restoration therapeutics.
- Develop reliable in-vitro human models to facilitate the understanding, derivation, and characterization of human auditory cells, and/or to facilitate the evaluation of hearing restoration therapies.
- Develop and/or validate techniques/methods beyond the audiogram to diagnose acute auditory system injury in austere or remote environments. For example, but not limited to, simple and rapid assessments that are compatible with portable platforms.

Tinnitus or vestibular-related research is excluded. Applicants are encouraged to leverage resources and expertise at the National Center for Advancing Translational Sciences (NCATS) to improve efficiency and accelerate the translational process.

Awards:

Up to 9 awards are anticipated from a total pool of \$10 million.

Eligibility:

Unrestricted

Deadline:

11/30/2022

AwardsID(s):

W81XWH-22-HRRP-FRA

Links:

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=340447>

Lupus Research

The Dept. of the Army invites proposals for three separate funding opportunities related to Lupus.

- The **LRP Impact Award** (W81XWH-22-LRP-IPA) encourages applications that support the full spectrum of research projects or ideas that specifically focus on scientific and clinical lupus issues, which, if successfully addressed, have the potential to make a major impact in lupus research and/or lupus disease. Applications should include a well-formulated, testable hypothesis based on strong scientific rationale that is established through inferential reasoning and/or critical review and analysis of the literature. Inclusion of preliminary data is encouraged. Seven Impact awards are anticipated from total funding of \$5.25 million.
- The **LRP Idea Award** (W81XWH-22-LRP-IA) supports innovative, high-risk/high-reward research that could ultimately lead to a critical discovery or major advancement relevant to lupus. This award mechanism supports studies that have the potential to reveal entirely new avenues for investigation. The application must describe how the new idea will enhance the existing knowledge of lupus or develop a hypothesis(es) or an innovative and novel course of investigation. The Idea Award is not intended to support an incremental progression of an already established research project. Up to 4 Idea awards may be made from a pool of \$1.2 million.
- The **Lupus Transformative Vision Award** (W81XWH-22-LRP-TVA) supports applications that will fulfill an extraordinary vision for dramatically improving the quality of life of persons with lupus using an intervention at the individual and/or healthcare system level. This award requires a plan that will test and achieve the vision through the translation of research ideas which, when addressed, will result in a near-term impact on the quality of life of persons living with lupus. Applications may address various quality-of-life issues in lupus patients of any age, including but not limited to those with disproportionate health burdens. Preliminary data are required. Human subject research and clinical trials are allowed. A single award of up to \$2.5 million is anticipated.

Eligibility:

Eligibility is unrestricted; open to foreign and domestic applicants

Deadline:

09/01/2022

AwardsID(s):

W81XWH-22-LRP-IPA , W81XWH-22-LRP-IA, W81XWH-22-LRP-TVA

Links:

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=340467>, <https://www.grants.gov/web/grants/view-opportunity.html?oppld=340457>, <https://www.grants.gov/web/grants/view-opportunity.html?oppld=340458>

Military Burn Research Program

The Dept. of the Army invites proposals for two different awards in the Military Burn Research Program (MBRP).

- The Military Burn **Technology/Therapeutic Development Award** (W81XWH-22-MBRP-TTDA) is a product-driven award mechanism intended to provide support for the translation of promising

preclinical findings into products for clinical application that address one or more of the critical gaps included in the FY22 MBRP Focus Areas. Products under development must be relevant to military application and address the needs of military Service Members, Veterans, and/or beneficiaries. The product(s) to be developed may be a tangible item such as a pharmacologic agent (including, but not limited to, drugs or biologics); or device-focused. Knowledge products may be considered, provided that the knowledge is applicable to a technology or therapeutic under development. Two TTDA awards are anticipated from total funding of \$4.42 million.

- The Military Burn **Clinical Translational Research Award** (W81XWH-22-MBRP-CTRA) is intended to support the rapid implementation of clinical research (including clinical trials) with the potential to significantly impact burn care by applying promising and well-founded research findings to the care of the burn-injured patient, particularly at the point-of-injury, or during the early, acute phase of burn injury. To be competitive, the application must include a sound scientific rationale, logical reasoning, and a well-formulated, testable hypothesis. Two CTRA awards are anticipated from total funding of \$4.42 million.

Eligibility:

Unrestricted

Deadline:

10/11/2022

AwardsID(s):

W81XWH-22-MBRP-TTDA, W81XWH-22-MBRP-CTRA

Links:

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=340568>, <https://www.grants.gov/web/grants/view-opportunity.html?oppld=340558>

Department of Health and Human Services

Disease Mechanisms of Prenatal and Pediatric Hydrocephalus

The National Institute of Neurological Disorders and Stroke invites applications to support hypothesis-driven research projects that focus on deciphering the molecular, cellular and developmental mechanisms involved in the pathogenesis of prenatal and/or pediatric hydrocephalus and to examine new approaches for treatment. A greater understanding of the disease mechanisms of prenatal and/or pediatric hydrocephalus is critical for the establishment of preventative measures and new therapeutics. Topics of interest include 1) understanding the pathogenesis of prenatal and/or pediatric hydrocephalus due to intrinsic factors including genetic factors; and 2) understanding the pathogenesis of prenatal and/or pediatric hydrocephalus due to extrinsic factors including hemorrhage and infection.

Awards:

unspecified

Eligibility:

unspecified

Deadline:

10/05/2022

AwardsID(s):

NOT-NS-23-004

Links:

<https://grants.nih.gov/grants/guide/notice-files/NOT-NS-23-004.html>

NINDS Interdisciplinary Team Science Grant

The National Institute of Neurological Disorders and Stroke invites applications to support integrated efforts of three or more (up to six) Project Directors and/or Principal Investigators to pursue bold, impactful, and challenging research in any area within the scope of the NINDS mission. The research approach should be interdisciplinary in nature, and the research teams are expected to establish a common goal that requires collaboration, synergy, and managed team interactions. Proposed research should not represent a collection of individual efforts or parallel projects. Letters of intent are due at least 30 days before the application deadline.

Awards:

Up to 6 awards lasting up to five years each from a total pool of \$10 million

Eligibility:

Unrestricted domestically

Deadline:

10/07/2022

AwardsID(s):

RFA-NS-22-036

Links:

<https://grants.nih.gov/grants/guide/rfa-files/RFA-NS-22-036.html>

Prevention Strategies for Mental Disorders in Mobile Populations

The National Institute of Mental Health seeks to fund research focused on understanding the role human mobility has on mental health outcomes and developing and testing culturally appropriate preventive interventions for mental disorders that may develop during all phases of migration. Specifically NIMH would like to support the development of assessment tools, preventive interventions, and implementation approaches to improve mental health outcomes in mobile populations. Applications of interest include those that refine and test scalable and sustainable approaches for intervention use during humanitarian crises. NIMH encourages research that addresses the mental health care needs of mobile children, adolescents, youth, women, people with serious mental illness, sexual and gender minorities, people with disabilities, older adults, and separated families.

Awards:

Total pool of \$2.5 million in FY23 to fund 5-6 awards. (Total direct costs are limited to \$450,000)

Eligibility:

Unrestricted domestically

Deadline:

10/25/2022

AwardsID(s):

RFA-MH-22-180

Links:

<https://grants.nih.gov/grants/guide/rfa-files/RFA-MH-22-180.html>

Stimulants and HIV: Addressing Contemporary and Recurring Epidemics

The National Institute on Drug Abuse invites applications to support research to improve HIV prevention and care outcomes among people who use stimulants, encompassing a range of stimulant use (from episodic to persistent, methamphetamine and cocaine derivatives), including stimulant use co-occurring with the use of opioids and/or other drugs. Applications responding to this FOA should: (1) implement evidence-based approaches that address the intersection of stimulant use and HIV or (2) develop and test new intervention approaches that can reduce stimulant use, particularly among episodic users, while also reducing HIV risk and/or improving HIV care outcome. Intervention approaches should be tailored to meet the unique needs of target populations such as patterns of stimulant use, age, race/ethnicity, gender

identity, sexual orientation, and co-occurring conditions. Letters of intent are due at least 30 days before the application deadline.

Awards:

Total of \$3 million in fiscal years 2023, 2024, and 2025 to fund 3-4 awards.

Eligibility:

Unrestricted domestically

Deadline:

11/10/2022

AwardsID(s):

RFA-DA-23-008

Links:

<https://grants.nih.gov/grants/guide/rfa-files/RFA-DA-23-008.html>

Tools to Enhance the Study of Prenatal and Pediatric Hydrocephalus

The National Institute of Neurological Disorders and Stroke invites research grant applications that propose to develop or substantially modify existing cutting-edge tools that will advance prenatal and/or pediatric hydrocephalus research. The primary objective is to remove barriers to hydrocephalus research that are due to scarcity of tools to investigate both the disease mechanisms and alternative therapies (non-shunt) in a rigorous manner. Applications should aim to transform the field of prenatal and/or pediatric hydrocephalus research by generating tools including animal and cell models, novel methods and innovative technologies that will be widely used throughout the neuroscience community to understand disease mechanisms and/or developing therapeutics. Topics of interest include 1) novel or significantly improved cell and/or animal models of hydrocephalus; and 2) novel methods and/or innovative technologies to accelerate the understanding of prenatal and/or pediatric hydrocephalus. Cutting-edge and/or high-risk applications are strongly encouraged.

Awards:

unspecified

Eligibility:

unspecified

Deadline:

10/05/2022

AwardsID(s):

NOT-NS-23-003

Links:

<https://grants.nih.gov/grants/guide/notice-files/NOT-NS-23-003.html>

Transgender People: Immunity, Prevention, and Treatment of HIV and STIs

The National Institute of Allergy and Infectious Diseases invites applications to support hypothesis-generating research in transgender people with the objective of characterizing the biological and immunological impact of the interventions (hormones, drugs and surgical) used for gender reassignment and their impact on susceptibility to HIV and other sexually transmitted infections. Applicants are encouraged to consider specifying milestones and timelines for their proposed research. Research may be focused on one or more of the more than 10 specific topics as it relates to transgender people and susceptibility, infection, acquisition and treatment of HIV and other STIs.

Awards:

unspecified

Eligibility:

Unrestricted (open to foreign and domestic applicants)

Deadline:

12/07/2022

AwardsID(s):

PAR-22-186

Links:

<https://grants.nih.gov/grants/guide/pa-files/PAR-22-186.html>

Translational Studies For Acute Cerebroprotection- Interventions

The National Institute of Neurological Disorders and Stroke invites U01 applications for research projects to test promising cerebrovascular interventions in the NINDS Stroke Preclinical Assessment Network (SPAN). SPAN will facilitate the testing of up to 8 promising cerebroprotective drugs or interventions to be given prior to or at the time of reperfusion in experimental models of ischemic stroke. The Principal Investigators of the awarded interventions will become part of the network and will collaborate with the SPAN Coordinating Center, testing laboratories, and other intervention contributors to facilitate the parallel testing of multiple cerebroprotective interventions in experimental models of ischemic stroke. Applicants must propose a research project involving a promising cerebroprotective intervention, supported by rigorous and extensive preliminary data, to be tested in SPAN. While applicants may request up to \$225,000 in direct costs per year, recipients are expected to subcontract ~50% of the budget to the Coordinating Center, as needed, to contribute to testing costs. Letters of intent are due 30 days before the application deadline.

Awards:

Eight 3-year awards from a total pool of \$1.2 million.

Eligibility:

Unrestricted domestically

Deadline:

07/29/2022

AwardsID(s):

RFA-NS-22-066

Links:

<https://grants.nih.gov/grants/guide/rfa-files/RFA-NS-22-066.html>

Treatments for Lewy Body Dementias and Frontotemporal Dementias

The National Institute of Neurological Disorders and Stroke and the National Institute on Aging jointly invite applications from investigators seeking to conduct exploratory clinical trials designed to test new treatments for patients with Lewy Body Dementia (LBD) or Frontotemporal Dementia (FTD). Applicants may propose to conduct either Phase I or Phase II clinical trials depending on the developmental stage of the potential therapeutic, but all trials must include patients with either LBD or FTD. Proposed therapies may include novel or existing treatments that are potentially beneficial but not currently approved for use in patients with LBD or FTD. Interventions intended to prevent or delay disease progression, as well as therapies to alleviate existing clinical symptoms, are both of interest.

Awards:

1 to 3 awards of up to five years each are anticipated from a total pool of \$5 million.

Eligibility:

Unrestricted domestically

Deadline:

11/21/2022

AwardsID(s):

RFA-NS-22-056

Links:

<https://grants.nih.gov/grants/guide/rfa-files/RFA-NS-22-056.html>

National Science Foundation

Centers for Chemical Innovation

The Centers for Chemical Innovation (CCI) Program supports research centers focused on major, long-term fundamental chemical research challenges. CCI that address these challenges will produce transformative research, lead to innovation, and attract broad scientific and public interest. CCI are agile structures that can respond rapidly to emerging opportunities through enhanced collaborations. CCI integrate research with strong broader impacts, including innovation, education, broadening participation, and informal science communication. The CCI Program is a two-phase program. Phase I CCI receive significant resources to develop the science, management and broader impacts of a major research center before requesting Phase II funding. Satisfactory progress in Phase I is required for Phase II applications; Phase I proposals funded in FY 2023 will seek Phase II funding in FY 2026.

Awards:

Multiple awards from a total pool of \$9.4 million. Three Phase I awards and one Phase II award from previous phase I winners

Eligibility:

Eligibility is restricted to US nonprofits and institutions of higher education

Deadline:

10/18/2022

AwardsID(s):

NSF 22-596

Links:

https://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf22596

Computer and Information Science and Engineering Research Initiation Initiative

The NSF Directorate for Computer and Information Science and Engineering invites proposals to support research independence among early-career academicians who specifically lack access to adequate organizational or other resources. It is expected that funds obtained through this program will be used to support untenured faculty or research scientists (or equivalent) in their first three years in a primary academic position after the PhD. This funding opportunity also aims to broaden the engagement of investigators in Computer and Information Science and Engineering (CISE) research and therefore is limited to investigators that are either (1) affiliated with an Institution of Higher Education that is not a "very high research activity" R1 institution (according to the Carnegie Classification <https://carnegieclassifications.iu.edu/>) or (2) non-profit non-academic institutions. Faculty at undergraduate and two-year institutions may use funds to support undergraduate students.

Awards:

Up to 60 awards may be made from a total pool of \$10 million

Eligibility:

Eligibility is restricted to non-profit organizations and non-R1 institutions of higher education

Deadline:

09/19/2022

AwardsID(s):

NSF 22-598

Links:

https://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf22598

New Foundation R&D Funding Opportunities

American Association for Cancer Research

Victoria's Secret Global Fund for Women's Cancers

The American Association for Cancer Research invites applications for the Victoria's Secret Global Fund for Women's Cancers, which seeks to fund innovative research aimed at progressing outcomes for women's cancers and invest in the next generation of women scientists who represent the diverse population they serve. The research proposed for funding may be in basic, translational, clinical, or population sciences. Proposals focused on research into the causes of cancer health disparities and approaches to achieve equity in outcomes and applicants belonging to racial or ethnic groups shown to be underrepresented in the cancer-related sciences workforce are especially encouraged. The grant recipient must devote at least 75 percent of their total effort to research in the breast or gynecologic cancer.

Awards:

One, two-year award of \$206,000

Eligibility:

Applicants must be female investigators with a doctoral degree (PhD, MD, MD/PhD, or equivalent) in a related field and not currently be a candidate for a further doctoral degree

Deadline:

06/28/2022

Links:

<https://www.aacr.org/grants/victorias-secret-global-fund-for-womens-cancers-2022-career-development-award-in-partnership-with-pelotonia-and-aacr/>

Autism Science Foundation

Suzanne Wright Research Accelerator Grants

These grants are designed to expand the scope, speed the progress, increase the efficiency, or improve the final product dissemination of active autism research grants. This mechanism is also meant to allow creative use of existing data that has not been analyzed to ask questions relevant to autism research. The funding is not meant to support a project fully but to leverage existing resources to accelerate the discovery of research findings. All projects must have prior IRB approval. No portion of these funds shall be used to cover indirect university costs.

Awards:

Multiple grants of up to \$7,500 each.

Eligibility:

Intended to enhance, expand and enrich grants currently funded by other sources

Deadline:

06/14/2022

Links:

<https://autismsciencefoundation.org/apply-for-a-research-accelerator-grant/>

Johnson & Johnson Innovation

Advancing Health Equity QuickFire Challenge

Through the challenge, innovators are invited to submit potentially groundbreaking solutions that could advance the trajectory of population health research from basic detection to the design and implementation of interventions aiming to reduce healthcare inequities. Johnson & Johnson is seeking potential solutions aiming to reduce health inequities for communities that have been historically marginalized, utilizing criteria that include developing appropriate intervention strategies, especially in community-based settings; evaluating the performance of intervention with appropriate evaluation

techniques, and determining if a strategy for advancing health equity is ready for implementation and translation/scaling into routine care settings. There is particular interest in potential solutions aligned to the areas of strategic focus and expertise in oncology of the Janssen Pharmaceutical Companies of Johnson & Johnson (Janssen), specifically:

- Lung cancer
- Multiple myeloma
- Prostate cancer

In addition to funding, selected innovators will have access to the global Johnson & Johnson Innovation–JLABS (JLABS) network, and mentorship from experts at the Johnson & Johnson Family of Companies

Awards:

One or more awards from a total pool of \$400,000

Eligibility:

U.S. based innovators

Deadline:

06/24/2022

Links:

<https://jilabs.jininnovation.com/quickfire-challenges/advancing-health-equity-quickfire-challenge>

Little Giraffe Foundation

Neonatal Research

The [Little Giraffe Foundation](#) is dedicated to funding neonatal research and supporting patients and parents in the NICU and in memory of Cheyenne, the founder’s daughter. The foundation invites applications for its 2022 Neonatal Research Initiative, which will support grants ranging between \$5,000 and \$10,000 to scientists, doctors, and nurses at universities, hospitals, and nonprofit institutions to support research that addresses both the immediate and long-term health needs caused by premature birth. Possible research subjects identified by the foundation include basic biological processes governing development, genetics, clinical studies, reproductive health studies, environmental toxicology, and social and behavioral studies. Studies related to the development of educational interventions or addressing quality improvement initiatives will not be considered for funding.

Eligibility:

U.S. based institutions

Deadline:

06/24/2022

Links:

<http://www.littlegiraffefoundation.org/Neonatal-Research-Initiative-Request-For-Proposals>

New Challenges and Prize Competitions

Department of Energy

Geophone Prize

Downhole wide-bandwidth sensors that measure real-time seismicity are a family of tool that has an especially important place in EGS development. Tracking micro-seismicity allows us to understand and monitor changes in the subsurface before, during, and after stimulation and ensures safe geothermal operations. Improving the ability to monitor and locate micro-seismic events at high temperatures and very close to the reservoir will provide a wealth of additional information on the induced fracture system resulting from stimulation efforts. Without this high-resolution, real-time micro-seismic data to inform how

the reservoir is growing, geothermal developers cannot fully utilize valuable micro-seismic data to adjust operations and design the most effective and efficient EGS reservoirs.

Advancing EGS technology has the potential to enable the development 60 gigawatts of projected geothermal electricity capacity by 2050. The American-Made Geothermal Geophone Prize is designed to spark innovation and take advantage of this opportunity. The Geothermal Geophone Prize consists of three phases that will fast-track efforts to design, test, and fabricate advanced functional seismometer prototypes. Each stage will include a contest period when competitors work to rapidly advance their solutions with the support of the American-Made Network. Phase I Proof of Concept proposals are currently being accepted; Phase II will be due in Fall 2023.

Awards:

\$3.65 million across all three phases, split between cash and vouchers

Eligibility:

private for-profit companies, nonprofits, individuals, non-federal governments and academic institutions

Deadline:

09/29/2022

Links:

<https://americanmadechallenges.org/challenges/geophone/>

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