UMD FUNDING ALERT

SSTI (November 29)
New Federal R&D Funding Opportunities

Department of Commerce

Assessing Large Scale Carbon Removal and Local Scale Ocean Acidification Mitigation

The National Oceanic and Atmospheric Administration invites research proposals focused on expanding understanding of various aspects of marine Carbon Dioxide Removal (mCDR) to reduce uncertainty about the extent and durability of carbon removal, associated co-benefits/risks, and contribute to regulatory frameworks needed for both testing and implementation of approaches. This knowledge will assist in the verification or invalidation of hypotheses regarding mCDR, in order to make informed decisions regarding a potential scaled negative carbon ocean industry. Proposals must address at least one of seven research priorities described in the solicitation.

Awards:

Multiple awards up to $2 million each from a $30 million pool.

Eligibility:

Proposals must include participants from at least two of three sectors: academia, government and the private sector (including nonprofit organizations).

Deadline:

02/28/2023

AwardsID(s):

NOAA-OAR-OAP-2023-2007714

Links:
https://www.grants.gov/web/grants/view-opportunity.html?oppId=344632

Department of Defense

Army Broad Agency Announcement for Foundational Research

The Army Research Laboratory (ARL) has issued a Broad Agency Announcement (BAA) for "foundational" research, which combines BAAs that historically have been issued separately for "fundamental" research and "basic and applied scientific research". ARL's foundational research mission spans basic research (budget activity 6.1) and applied research (budget activity 6.2) as defined by 32 CFR 22.105, but may include advanced technology development (budget activity 6.3) and advanced component development and prototypes (budget activity 6.4) when opportunities arise to directly or indirectly help achieve ARL's mission. White paper proposals may be submitted at any time addressing one of the list of research topics covered by the current solicitation are available at: https://cftste.experience.crmforce.mil/arlext/s/arl-opportunities.

Awards:

Multiple awards are anticipated.

Eligibility:

Unrestricted.

Deadline:

11/20/2027

AwardsID(s):

W911NF-23-S-0001

Links:

https://cftste.experience.crmforce.mil/arlext/s/arl-opportunities

Department of Health and Human Services

2023 Innovations in Nutrition Programs and Services -Replication

The Administration for Community Living invites to proposals to support projects which replicate successful models developed by Innovations in Nutrition Programs and Services grantees that have the potential that enhance the quality, effectiveness and proven outcomes of nutrition services programs within the aging services network. Projects proposed under this grant program must have the potential for broad implementation throughout the aging services network and have demonstrated value, i.e., improvements in participant well-being, cost savings, etc. In addition, projects must target services to underserved older adults with greatest social and economic need, and individuals at risk for institutional placement, to permit such individuals to remain in home and community-based settings thereby avoiding the need for costly medical interventions.

Awards:

Six cooperative agreement awards, up to $150,000 each, are anticipated.

Eligibility:
Unrestricted domestically, with the exception of excluding for-profit organizations.
Deadline:
11/27/2022
AwardsID(s):
HHS-2023-ACL-AOA-INNU-0008
Links:
https://acl.gov/grants/2023-innovations-nutrition-programs-and-services-replication

Ancillary Studies to Ongoing Clinical Projects
The National Institute of Arthritis and Musculoskeletal and Skin Diseases invites research proposals in response to two funding opportunities to conduct time-sensitive ancillary studies related to the NIAMS mission in conjunction with privately or publicly funded, active, ongoing clinical projects (parent projects). The parent project can be an interventional clinical trial, or a clinical study such as an observational study, or a disease-specific repository that will be actively collecting patient samples or clinical data. The parent project(s) should provide a cohort of well-characterized patients, infrastructure, data, and biological samples for the ancillary study. Ancillary studies must not interfere with the parent project or unduly burden participants.

Applicants should respond to the funding opportunity most closely matching the stage of the research project under consideration for funding. Both funding announcements are intended to encourage junior investigators to take a leading role in clinical research with the support and collaboration of senior investigators. Projects that have reached that may lead to a breakthrough in a particular area with potential for significant impact or may develop novel technology or tools that have the potential to significantly accelerate research fields should use PAR-23-026 for exploratory/developmental awards. Projects not yet advanced to this stage should use PAR-23-025 for a possible R1 research grant. Links for both are provided below.

Awards:
Multiple awards are anticipated, ranging between $300,00 and $400,000.
Eligibility:
Unrestricted domestically.
Deadline:
04/06/2023
AwardsID(s):
PAR-23-025, PAR-23-026
Links:
https://grants.nih.gov/grants/guide/pa-files/PAR-23-025.html, https://grants.nih.gov/grants/guide/pa-files/PAR-23-026.html

Assuring Comprehensive Perinatal, Maternal and Infant Health and the Elimination of Perinatal HIV

The Centers for Disease Control invites proposals to establish a National Resource Center for the implementation of CDC's Framework for the Elimination of Perinatal HIV in the United States and to convene a Task Force of subject matter experts from public health, clinical care and persons living with HIV to develop innovative approaches to optimize perinatal, maternal/parental and infant health for persons affected by HIV. The recipient will also disseminate resources and technical assistance through large educational and best-practice-sharing networks.

Awards:

A single award up to $2.5 million.

Eligibility:

Unrestricted.

Deadline:

04/05/2023

AwardsID(s):

CDC-RFA-PS-23-2313

Links:

https://www.grants.gov/web/grants/view-opportunity.html?oppId=344600

Leading Equity and Diversity in the Medical Scientist Training Program

The National Institute of General Medical Sciences (NIGMS) is developing a diverse pool of highly trained clinician-scientist leaders to meet the Nation's biomedical research needs by providing support for dual-degree clinician scientist training at institutions that have historically not been well represented among NIGMS-funded Medical Science Training Programs. Specifically, NIGMS will fund selected, eligible institutions to develop and implement effective, evidence-informed approaches to fully integrate the transitional phases of dual-degree training and mentoring that will lead to the completion of both clinical degrees (e.g., M.D., D.O., D.V.M., D.D.S., Pharm.D., etc.), and research doctorate degrees (Ph.D.) and keep pace with the rapid evolution of the biomedical enterprise.

Awards:

Historically Black Colleges and Universities; Tribal Colleges and Universities; and 3) Institutions within Institutional Development Award (IDeA)-eligible states.

Eligibility:

Unrestricted domestically.

Deadline:

01/25/2023

AwardsID(s):

PAR-23-030

Links:

https://grants.nih.gov/grants/guide/pa-files/PAR-23-030.html

Links between diet, lipid metabolism, and tumor growth

The National Cancer Institute invites applications in response to two related funding opportunities for projects proposing mechanistic investigations of the links between diet, lipid metabolism and tumor growth and progression. Both opportunities will support fundamental studies designed to identify and define the molecular mechanisms through which lipid metabolism mediates tumor growth and progression, focusing specifically on the central role lipids play in linking diet with the biology of cancer; bridge the historically divided fields of nutrition and molecular metabolism; and stimulate research and tool development in this emerging area, which faces particular challenges because of the complexity of lipid biochemistry. PAR-23-031 is for standard cooperative agreement awards while PAR-23-052 limits unpublished preliminary data to one figure, comprising no more than one-half page, to facilitate the entry of qualified new investigators to the field. PAR-23-052 also has smaller annual budget limits.

Awards:

Multiple awards are anticipated across both opportunities.

Eligibility:

Unrestricted domestically.

Deadline:

01/17/2023

AwardsID(s):

PAR-23-051, PAR-23-052

Links:

https://grants.nih.gov/grants/guide/pa-files/PAR-23-051.html, https://grants.nih.gov/grants/guide/pa-files/PAR-23-052.html

Pilot Projects Enhancing Utility and Usage of Common Fund Data Sets

The Office of Strategic Coordination invites proposals to demonstrate and enhance the utility of selected Common Fund data sets, including generating hypotheses and catalyzing discoveries. Award recipients are asked to provide feedback on the utility of the Common Fund data resources. The goals of this opportunity are to 1) promote the use of Common Fund data sets by supporting pilot studies based on analyses across two or more Common Fund data sets; 2) enhance the utility of existing Common Fund data sets by developing workflows, analytic and simulation tools which will enable simultaneous analysis of multiple Common Fund data sets; and 3) demonstrate the added-value of integrating multiple Common Fund data resources in addressing biomedical research questions.

Awards:

5-7 awards from a pool of $1.7 million.

Eligibility:

Unrestricted domestically.

Deadline:
02/03/2023
AwardsID(s):
RFA-RM-23-003
Links:
https://grants.nih.gov/grants/guide/rfa-files/RFA-RM-23-003.html

Pragmatic Trials across the Cancer Control Continuum
The National Cancer Institute invites proposals to support research that tests the impact of cancer-related interventions on cancer-related outcomes across the cancer control continuum using a pragmatic trial study design. This opportunity will be divided into two exploratory/developmental phases. The first phase will support refining the cancer-related intervention and finalizing study-related activities in preparation for conducting the pragmatic trial during the second phase. Applications should propose to develop and test a cancer-related intervention that is missing, largely absent, or underrepresented in the current evidence base of effective interventions. Applications are encouraged to focus on including minority health populations and populations experiencing health disparities as well as settings, communities, and contexts with limited resources.
Awards:
Multiple awards are anticipated.
Eligibility:
Unrestricted domestically.
Deadline:
02/14/2023
AwardsID(s):
PAR-22-256
Links:
https://grants.nih.gov/grants/guide/pa-files/PAR-22-256.html

Research Infrastructure Development for Interdisciplinary Aging Studies
The National Institute on Aging invites applications that propose to develop novel research infrastructure that will advance the science of aging in specific areas requiring interdisciplinary partnerships or collaborations. Several dozen research areas are suggested in the announcements. Funding is provided in a phased approach: the first phase, supported by PAR-23-053, provides up to 2 years of support for initial developmental activities.Second phase awards, funded by PAR-23-054, provides up to 3 years of support for expanded activities.
Awards:
Multiple awards across both funding opportunities.
Eligibility:
Unrestricted domestically.

Deadline:
07/03/2023
AwardsID(s):
PAR-23-053, PAR-23-054
Links:
https://grants.nih.gov/grants/guide/pa-files/PAR-23-053.html, https://grants.nih.gov/grants/guide/pa-files/PAR-23-054.html

Social Determinants of Health to Promote Health Equity and Reduce Health Disparities
The Centers for Disease Control and Prevention invites proposals to support rapid, applied research with rigorous study design (i.e., natural experiments, quasi-experimental design studies, simulation modeling, and economic evaluations) to evaluate the impact of ongoing programs, policies, and environmental improvement strategies on social determinants of health (SDOH) and how these changes in SDOH improve chronic disease outcomes and related health disparities. The funded sites are expected to work together to create a network. The solicitation includes three components to achieve the purpose of the program:

- Component A (Research Studies to Assess Inequities in Addressing Chronic Diseases): The purpose is to support epidemiological research using studies with natural or quasi-experimental designs aimed at identifying and evaluating how inequities in chronic disease outcomes are mitigated by ongoing programs, policies, and environmental improvement strategies targeting SDOH.
- Component B (Studies to Assess Health and Economic Outcomes and Disparities of Chronic Diseases): The purpose is to support research that will apply a systems science approach to build simulation models of the interplay of SDOH factors and their relationship to chronic disease and health disparities, providing long-term estimates (e.g., 10-, 20-, 30-year) of chronic disease outcomes and disparities in quality-adjusted life-years, and the cost and cost-effectiveness of a policy, program, or strategy.
- Component C (Coordinating Center): The purpose is to support a coordinating center that provides organizational, logistic, and communication support to enhance the efficiency, productivity, and public health impact of the research centers that are funded under Components A and B.

Awards:
12 awards from $28.5 million pool.
Eligibility:
Unrestricted domestically.
Deadline:
02/09/2023
AwardsID(s):
RFA-DP-23-001
Links:
https://www.grants.gov/web/grants/view-opportunity.html?oppId=340501

Testing Centers for Development of Somatic Cell Genome Editing in Model Organisms

Through this funding opportunity, the Office of Research Infrastructure Programs is supporting Testing Centers for Somatic Cell Genome Editing in several model organisms. Of particular interest is the development of capacities in the Testing Centers to evaluate *in utero* gene therapy in animal models and to be able to test a range of therapeutic strategies for tackling a number of devastating genetic conditions, many of which have limited or nonexistent postnatal treatments. Requirements for Testing Centers include, but are not limited to:

- Breeding and maintaining cohorts of well characterized wild-type, reporter and disease model animals in either rodents, pigs, or non-human primates for the testing of delivery vehicles and new editing tools developed by the biomedical community;
- Establishing assays and Standard Operating Procedures to evaluate on-target and off-target genome editing in target cells and tissues, including germline cells, and to assess preclinical regulatory requirements.

Awards:

Multiple awards are anticipated.

Eligibility:

Unrestricted domestically.

Deadline:

02/01/2023

AwardsID(s):

PAR-23-038

Links:

https://grants.nih.gov/grants/guide/pa-files/PAR-23-038.html

Using Archived Data and Specimen Collections to Advance Maternal and Pediatric HIV/AIDS Research

The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) and National Institute of Mental Health (NIMH) are soliciting applications to utilize archived HIV/AIDS data and biospecimen collections to generate new research questions and findings related to epidemiology, pathogenesis, treatment, prevention, clinical manifestations, and HIV-associated co-infections in maternal, pediatric, and adolescent populations. Specifically, for human data, the NICHD encourages the use of the Data and Specimen Hub (DASH), a centralized resource for researchers to store and access de-identified data from studies funded by NICHD.

The following NIH components intend to commit the following amounts in FY 2024:

- NICHD, $1,600,000, 5 awards.
- NIMH, $400,000, 1 to 2 awards.

Awards:

Multiple Awards are anticipated

Eligibility:
Unrestricted
Deadline:
03/29/2023
AwardsID(s):
RFA-HD-24-006
Links:
https://grants.nih.gov/grants/guide/rfa-files/RFA-HD-24-006.html

National Endowment for the Humanities

Institutes for Advanced Topics in the Digital Humanities
NEH invites proposals for the Institutes for Advanced Topics in the Digital Humanities program, which supports national or regional (multistate) training programs for scholars, humanities professionals, and advanced graduate students to broaden and extend their knowledge of digital humanities. NEH seeks to increase the number of humanities scholars and practitioners using digital technology in their research and to broadly disseminate knowledge about advanced technology tools and methodologies relevant to the humanities. A webinar will be held on December 1, 2022, from 3:00 pm to 4:00 pm Eastern
Awards:
Five three-year awards of $250,000.
Eligibility:
Tribal Nations, state and local governments, institutions of higher education, and 501(c)(3) nonprofit organizations.
Deadline:
02/15/2023
Links:
https://www.neh.gov/grants/odh/institutes-advanced-topics-in-the-digital-humanities

National Science Foundation

Social Psychology
NSF invites proposals to support research and research infrastructure to advance basic knowledge in social psychology. Proposed research should carry strong potential for creating transformative advances in the basic understanding of human social behavior. Among the many research topics supported are social cognition, attitudes, social and cultural influence, stereotypes, motivation, decision making, group dynamics, aggression, close relationships, social and affective neuroscience, social psychophysiology, emotions, prosocial behavior, health-related behavior, and personality and individual differences. Proposals that develop new theories or methods for understanding social behavior are highly encouraged.

Awards:
Awards last year ranged from $20,000 to $750,000
Eligibility:
Unrestricted.
Deadline:
01/15/2023
Links:
https://beta.nsf.gov/funding/opportunities/social-psychology

Strengthening the Cyberinfrastructure Professionals Ecosystem

The overarching goal of this SCIP solicitation is to democratize access to NSF's advanced cyberinfrastructure (CI) ecosystem and ensure fair and equitable access to resources, services, and expertise by strengthening how Cyberinfrastructure Professionals (CIP) function in this ecosystem. It aims to achieve this by: 1) deepening the integration of CIPs into the research enterprise, and 2) fostering innovative and scalable education, training, and development of instructional materials, to address emerging needs and unresolved bottlenecks in CIP workforce development. Specifically, this solicitation seeks to nurture, grow and recognize the national CIP workforce that is essential for creating, utilizing and supporting advanced CI to enable and potentially transform fundamental science and engineering (S&E) research and education and contribute to the Nation's overall economic competitiveness and security.

Awards:
Four awards from total funding of $15 million.
Eligibility:
Unrestricted.
Deadline:
02/23/2023
AwardsID(s):
NSF 23-521
Links:
https://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf23521

Training-based Workforce Development for Advanced Cyberinfrastructure

The Office of Advanced Cyberinfrastructure seeks proposals to prepare, nurture, and grow the national scientific research workforce for creating, utilizing, and supporting advanced cyberinfrastructure (CI) to enable and potentially transform fundamental science and engineering (S&E) research and education. The goals of this specific solicitation are to 1) ensure broad adoption of CI tools, methods, and resources by the research community in order to catalyze major research advances and to enhance researchers' abilities to lead the development of new CI, and 2) integrate core literacy and discipline-appropriate advanced skills in advanced CI as well as computational and data-driven methods for advancing

fundamental research, into the Nation's undergraduate and graduate educational curriculum/instructional materials. Proposals responding to this solicitation may target one or both of the two solicitation goals.

There are two project classes as defined below:

- *Pilot* Projects: up to $300,000 total budget with durations up to two years; and
- *Implementation* Projects: *Small* (with total budgets of up to $500,000) or *Medium* (with total budgets of up to $1,000,000) for durations of up to four years.

Awards:

Up to 18 awards across both project classes from total pool of $9.3 million.

Eligibility:

Unrestricted.

Deadline:

02/23/2023

AwardsID(s):

NSF 23-520

Links:

https://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf23520

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