NEW GRANT OPPORTUNITIES/AGENCY NOTICES

September 3, 2019

NEW GRANTS

Science and Technology

Department of Defense/Defense Advanced Research Projects Agency
AIE: Context Reasoning for Autonomous Teami ng (CREATE)
Solicitation Number: DARPA-PA-19-03-01
Response Date: October 3, 2019
Summary
CREATE is investigating new approaches for autonomous teaming of physically distributed groups of AI enabled systems (multi-agent systems) when there is limited opportunity for centralized coordination.

Department of Defense/ DARPA - Defense Sciences Office
Young Faculty Award (YFA)
Funding Opportunity Number: DARPA-RA-19-01
Application Deadline: Nov 19, 2019
Summary
The Defense Advanced Research Projects Agency (DARPA) Young Faculty Award (YFA) program aims to identify and engage rising stars in junior faculty positions in academia and equivalent positions at non-profit research institutions and expose them to Department of Defense (DoD) and National Security challenges and needs. This YFA will provide high-impact funding to elite researchers early in their careers to develop innovative new research directions in the context of enabling transformative DoD capabilities. The long-term goal of the program is to develop the next generation of scientists and engineers in the research community who will focus a significant portion of their future careers on DoD and National Security issues. DARPA is particularly interested in identifying outstanding researchers who have previously not been performers on DARPA programs, but the program is open to all qualified applicants with innovative research ideas.

Link: DARPA-RA-19-01

National Science Foundation
Accountable Institutions and Behavior
Funding Opportunity Number: PD-19-120Y
Application Deadline: Jan 15, 2020
Summary
The Accountable Institutions and Behavior (AIB) Program supports basic scientific research that advances knowledge and understanding of issues broadly related to attitudes, behavior, and institutions connected to public policy and the provision of public services. Research proposals are expected to be theoretically motivated, conceptually precise, methodologically rigorous, and empirically oriented. Substantive areas include (but are not limited to) the study of individual and group decision-making, political institutions (appointed or elected), attitude and preference formation and expression, electoral processes and voting, public administration, and

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public policy. This work can focus on a single case or can be done in a comparative context, either over time or cross-sectionally. The Program does not fund applied research. The Program also supports research experiences for undergraduate students and infrastructural activities, including methodological innovations. In addition, we encourage you to examine the websites for the National Science Foundation’s Law and Science (LS) and Security and Preparedness (SAP) programs.

Link: PD-19-120Y

**National Science Foundation**

**Security and Preparedness**

Funding Opportunity Number: PD-19-118Y

Application Deadline: Jan 15, 2020

Summary

The Security and Preparedness (SAP) Program supports basic scientific research that advances knowledge and understanding of issues broadly related to global and national security. Research proposals are evaluated on the criteria of intellectual merit and broader impacts; the proposed projects are expected to be theoretically motivated, conceptually precise, methodologically rigorous, and empirically oriented. Substantive areas include (but are not limited to) international relations, global and national security, human security, political violence, state stability, conflict processes, regime transition, international and comparative political economy, and peace science. Moreover, the Program supports research experiences for undergraduate students and infrastructural activities, including methodological innovations. The Program does not fund applied research. In addition, we encourage you to examine the websites for the National Science Foundation’s Accountable Institutions and Behavior (AIB) and Law and Science (LS) programs.

Link: PD-19-118Y

**National Science Foundation**

EMERGING FRONTIERS IN RESEARCH AND INNOVATION (EFRI): Distributed Chemical Manufacturing (DCheM) and Engineering the Elimination of End-of-Life Plastics (E3P)

Funding Opportunity Number: 19-599

Application Deadline: Mar 26, 2020

Estimated Maximum Total Value: $30,000,000

Maximum Total Value Per Award: $2,000,000

Summary

The Emerging Frontiers in Research and Innovation (EFRI) program of the NSF Directorate for Engineering (ENG) serves a critical role in helping ENG focus on important emerging areas in a timely manner. This solicitation is a funding opportunity for interdisciplinary teams of researchers to embark on rapidly advancing frontiers of fundamental engineering research. For this solicitation, we will consider proposals that aim to investigate emerging frontiers in one of the following two research areas: · Distributed Chemical Manufacturing (DCheM)

Link: 19-599

**Department of Energy/ NNSA**

Stewardship Science Academic Alliances (SSAA) Program

Funding Opportunity Number: DE-FOA-0002149

Application Deadline: Oct 29, 2019

Estimated Maximum Total Value: $10,000,000

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Maximum Total Value Per Award: $10,000,000
Estimated Number of Awards: 1

Summary
The Stewardship Science Academic Alliances (SSAA) Program was established in 2002 to support state-of-the-art research at U.S. academic institutions in areas of fundamental physical science and technology of relevance to the SSP mission. The SSAA Program provides the research experience necessary to maintain a cadre of trained scientists at U.S. universities to meet the nation’s current and future SSP needs, with a focus on those areas not supported by other federal agencies. It supports the DOE/NNSA’s priorities both to address the workforce specific needs in science, technology, engineering, and mathematics and to support the next generation of professionals who will meet those needs.

Link: DE-FOA-0002149

National Aeronautics and Space Administration

Use of the NASA Physical Sciences Informatics (PSI) System - Appendix F
Funding Opportunity Number: NNH17ZTT001N-17PSI-F
Application Deadline: Dec 16, 2019
Estimated Number of Awards: 5

Summary
This NRA solicits ground-based research proposals that present a compelling case on how the experimental data from the PSI system will be used to promote the advancement of further research. Proposers must show a clear path from the scientific data obtained from the PSI system to the proposed investigation. In addition, the project must address an important problem in the proposed area of research and advance scientific knowledge or technology. NASA plans to host a proposers’ conference via Webex shortly after the release of the Appendix to provide more information and to answer questions about the NRA and the PSI system

Link: NNH17ZTT001N-17PSI-F

Health

National Institutes of Health/National Cancer Institute
NCI Clinical and Translational Exploratory/Developmental Studies (R21 Clinical Trial Optional)
Funding Opportunity Number: PAR-19-356
Application Deadline: Jul 20, 2022
Maximum Total Value Per Award: $200,000

Summary
This Funding Opportunity Announcement (FOA) supports the development of new exploratory research in cancer diagnosis, treatment, imaging, symptom/toxicity, and prevention clinical trials; correlative studies associated with clinical trials; novel cancer therapeutic, symptom/toxicity, and preventive agent development, radiotherapy development activities, and mechanism-driven combinations; innovative preclinical studies, including the use of new clinically-relevant models and imaging technologies, which could lead to first-in-human clinical trials, and therapeutic outcome disparities, including biomarkers or genetic/epigenetic signatures, among diverse racial/ethnic populations, including genetically engineered mouse models, patient-derived xenograft models, organoids, and cell lines.

Link: PAR-19-356
National Institutes of Health/National Cancer Institute

Neural Regulation of Cancer (R21 Clinical Trial Not Allowed)
Funding Opportunity Number: PAR-19-354
Application Deadline: May 27, 2022
Maximum Total Value Per Award: $200,000

Summary
This Funding Opportunity Announcement (FOA) encourages collaborative, transdisciplinary research with both neuroscience and cancer research elements, which together will advance our current understanding of the nervous system’s contribution to cancer. Leveraging the knowledge, tools, experimental models and reagents in neuroscience research to uncover novel mechanisms used by the nervous system to promote tumor initiation, progression and metastasis can ultimately inform key areas of cancer research including the prevention and treatment of non-central nervous system tumors.

Link: PAR-19-354
Related:

Neural Regulation of Cancer (R01 Clinical Trial Not Allowed)
Funding Opportunity Number: PAR-19-353
Application Deadline: May 27, 2022
Link: PAR-19-353

National Institutes of Health/National Cancer Institute

Intervening with Cancer Caregivers to Improve Patient Health Outcomes and Optimize Health Care Utilization (R21 Clinical Trial Optional)
Funding Opportunity Number: PAR-19-355
Application Deadline: Sep 07, 2022
Maximum Total Value Per Award: $200,000

Summary
This Funding Opportunity Announcement (FOA) invites applications for intervention research designed to support caregivers of adult cancer patients. Interventions supported by this FOA are intended to provide caregivers with care training, promote coping skills, and ultimately help them manage care. Outcomes of such interventions are expected to (1) optimize patient health care utilization, (2) improve caregiver well-being, and (3) improve patient physical health and psychosocial outcomes.

Link: PAR-19-355

National Institutes of Health/National Cancer Institute

Linking the Provider Recommendation to Adolescent HPV Vaccine Uptake
Funding Opportunity Number: PAR-19-360
Application Deadline: Sep 07, 2022

Summary
This Funding Opportunity Announcement (FOA) encourages research on how the healthcare delivery system enhances or inhibits the effectiveness of a provider's recommendation of the adolescent human papillomavirus (HPV) vaccine. Characteristics of the provider, parent/patient, and clinical setting, can all affect whether a provider makes a recommendation, and whether that recommendation results in uptake of the HPV vaccine. This research requires expertise in cancer prevention, adult and childhood behavior, immunization promotion, and healthcare delivery.
**National Institutes of Health/National Cancer Institute**

**Small-Cell Lung Cancer (SCLC) Consortium: Therapeutic Development and Mechanisms of Resistance (U01 Clinical Trial Not Allowed)**

Funding Opportunity Number: PAR-19-361  
Application Deadline: Mar 11, 2022  
Maximum Total Value Per Award: $450,000  

**Summary**

This Funding Opportunity Announcement (FOA) invites applications for research projects to join the Small-Cell Lung Cancer (SCLC) Consortium. Goals of the SCLC Consortium pertinent to this FOA are: 1) to learn the mechanistic and biological underpinnings of SCLC formation, progression and heterogeneity; 2) to investigate how molecular vulnerabilities could be used to develop targeted agents or combinations; and 3) to understand clinical resistance to drug and radiation therapy and its rapid development.

**Link:** [PAR-19-361](#)

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**HHS/ Office of Strategic Coordination**

**Multisite Clinical Center Common Fund Acute to Chronic Pain Signatures Program: Acute Peri-operative Pain or Musculoskeletal Trauma (UM1 Clinical Trial Optional)**

Funding Opportunity Number: RFA-RM-19-013  
Application Deadline: Nov 26, 2019  
Estimated Maximum Total Value: $3,400,000  

**Summary**

The purpose of this FOA is to support a Multisite Clinical Center to implement the enrollment and multimodal longitudinal assessment of a large cohort of patients that EITHER experienced an acute musculoskeletal trauma OR an acute peri-operative pain event to identify a biosignature for resilience to and/or the transition from acute to chronic pain.

**Link:** [RFA-RM-19-013](#)

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**National Institutes of Health/Office of Behavioral and Social Sciences Research**

**Data Coordinating and Operations Center for the ECHO IDeA States Pediatric Clinical Trials Network - 2 (U24 - Clinical Trial Required -Infrastructure)**

Funding Opportunity Number: RFA-OD-19-025  
Application Deadline: Dec 02, 2019  
Estimated Maximum Total Value: $8,000,000  
Estimated Number of Awards: 1  

**Summary**

This funding opportunity announcement (FOA), issued by the Office of the Director (OD), National Institutes of Health (NIH), invites applications from entities/institutions in Institutional Development Award (IDeA)-eligible States to participate as the Data Coordination and Operations Center (DCOC) in the Environmental Influences on Child Health Outcomes (ECHO) IDeA States Pediatric Clinical Trials Network (ISPCTN). The DCOC will support the Clinical Sites of the ISPCTN to conduct multicenter clinical trials research, assuring the participation of children living in rural or underserved communities located in IDeA states, and build pediatric research capacity for IDeA.
states to support the conduct of clinical trials of relevance to rural or underserved children in IDEa states. The DCOC and the Clinical Sites, together, will form the ISPCTN. The ISPCTN is the intervention part of the ECHO program and supports its overall mission: to enhance the health of children for generations to come. The award will support clinical trial pediatric research in the 5 focus areas of the ECHO program: pre-, peri-, and postnatal outcomes; obesity; upper and lower airways; neurodevelopment; and positive health.

Link: RFA-OD-19-025

National Institutes of Health/National Institute of Diabetes and Digestive and Kidney Diseases
Food as Medicine: Food Insecurity and HIV-related Comorbidities, Coinfections, and Complications within the Mission of the NIDDK (R01 Clinical Trial Optional)
Funding Opportunity Number: RFA-DK-19-019
Application Deadline: Mar 09, 2020
Estimated Maximum Total Value: $2,000,000
Maximum Total Value Per Award: $500,000
Summary
This funding opportunity announcement (FOA) seeks US domestic research projects that address how food insecurity effects HIV comorbidities, coinfections, and complications (CCCs) within the mission of the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK). The approaches may address the pathways linking food insecurity and the development or exacerbation of CCCs; or they may evaluate the mechanisms whereby interventions that alleviate food insecurity improve CCCs. These mechanisms could be related to nutritional inadequacies or patient health-related behaviors.

Link: RFA-DK-19-019

National Institutes of Health/National Institute of Neurological Disorders and Stroke
The NINDS Human Cell and Data Repository (U24 - Clinical Trial Not Allowed)
Funding Opportunity Number: RFA-NS-19-038
Application Deadline: Oct 22, 2019
Estimated Maximum Total Value: $1,300,000
Maximum Total Value Per Award: $850,000
Estimated Number of Awards: 1
Summary
This Funding Opportunity Announcement (FOA) invites applications to support the National Institute of Neurological Disorders and Stroke (NINDS) Human Cell and Data Repository (NHCDR). The repository will maintain the current collection of fibroblast and induced pluripotent stem cell (iPSC) lines as well as develop, characterize, expand source cells and iPSCs, and where appropriate, genetically modify new high-quality iPSC lines in accordance with the NINDS mission. The NINDS Human Cell and Data Repository will distribute human cell resources broadly to qualified academic and industry researchers to advance basic and translational research in neurological disorders.

Link: RFA-NS-19-038

HHS/ Centers for Disease Control - NCHHSTP
National Network of Sexually Transmitted Diseases Clinical Prevention Training Centers (NNPTC)
Funding Opportunity Number: CDC-RFA-PS20-2004
Application Deadline: Nov 12, 2019
Estimated Maximum Total Value: $50,000,000
Estimated Number of Awards: 12

Summary
The 2017 CDC STD Surveillance Report documented continued steep and sustained increases in the three reportable STDs – gonorrhea, chlamydia and syphilis. Congenital syphilis rates reached a 20-year high in 2017. Healthcare providers and health systems remain at the forefront of the battle against STDs. Provider education, technical assistance, and clinical capacity building are critical pieces for a foundation of comprehensive STD clinical prevention in healthcare settings. A dynamic and complex healthcare landscape demands innovative methods to reach both clinicians and healthcare settings from a variety of sectors throughout the U.S. in order to meet the goal of optimal STD clinical prevention implementation in the clinical care setting. The purpose of this NOFO is to support The National Network of Sexually Transmitted Diseases Clinical Prevention Training Centers (NNPTC)

Link: CDC-RFA-P520-2004

HHS/ Centers for Disease Control and Prevention

ERA Commercial Fishing Occupational Safety Research Cooperative Agreement
Funding Opportunity Number: RFA-OH-20-004
Application Deadline: Dec 06, 2019
Estimated Maximum Total Value: $3,000,000
Maximum Total Value Per Award: $650,000
Estimated Number of Awards: 6

Summary
The funding will be used to support research on improving the occupational safety of workers in the commercial fishing industry. This includes: • improving vessel design; • developing and improving emergency and survival equipment; • enhancing vessel monitoring systems; • improving communication devices, de-icing technology, and severe weather detection. In order to support and administer the grant program, the Coast Guard and NIOSH signed a Memorandum of Understanding on May 17, 2018

Link: RFA-OH-20-004

Related:
ERA Commercial Fishing Occupational Safety Training Project Grants
Funding Opportunity Number: RFA-OH-20-005
Application Deadline: Dec 06, 2019
Estimated Maximum Total Value: $3,000,000
Maximum Total Value Per Award: $650,000
Estimated Number of Awards: 6
Link: RFA-OH-20-005

International

US Agency for International Development/ Ethiopia USAID-Addis Ababa
Health Workforce Improvement Program (HWIP)
Funding Opportunity Number: 72066319RFA00005
Application Deadline: Oct 11, 2019
Maximum Total Value Per Award: $39,500,000

Summary
1. Institutional and individual capacity building to improve the quality of pre-service education for priority clinical cadres to improve the competency of clinical health workers,
2. Improve the human resource for health management and regulation capacity of national and sub-national entities. The program will target program managers at MOH, Regional Health Bureau (RHB) and District Health Office; and faculty at HEIs, building their leadership, management and governance capacity for human resource development and management.
3. Improve the generation and utilization of evidence to inform HR planning, development and management

Link: [72066319RFA00005](#)

**US Agency for International Development/ Uganda USAID-Kampala**

**USAID/Uganda Voluntary Family Planning for Improved Reproductive Health and Development (FP4HD)**

**Funding Opportunity Number:** 72061719RFA00005  
**Application Deadline:** Sep 30, 2019  
**Estimated Maximum Total Value:** $24,000,000  
**Maximum Total Value Per Award:** $24,000,000  
**Estimated Number of Awards:** 1

**Summary**

The Voluntary Family Planning for Improved Reproductive Health and Development (FP4HD) Activity will accomplish its goal through three intermediate results (IRs):

1. Ugandan leadership and coordination strengthened to support voluntary family planning (FP);
2. Positive social norms and behaviors enhanced to improve healthy timing and spacing of pregnancies; and
3. Access to quality, voluntary family planning increased.

Link: [72061719RFA00005](#)

**US Agency for International Development/ Senegal USAID-Dakar**

**Burkina Faso Markets and Nutrition Activity**

**Funding Opportunity Number:** 72068519RFA00010  
**Application Deadline:** Oct 01, 2019  
**Maximum Total Value Per Award:** $19,620,000  
**Estimated Number of Awards:** 1

**Summary**

USAID intends to make an award to the applicant(s) who best meets the objectives of this funding opportunity based on the merit review criteria described in this NOFO subject to a risk assessment. Eligible parties interested in submitting an application are encouraged to read this NOFO thoroughly to understand the type of program sought, application submission requirements and selection process.

Link: [72068519RFA00010](#)

**Department of State/ U.S. Mission to Argentina**

**National Parks Exchange Program**

**Funding Opportunity Number:** PAS-AR200-FY19-03  
**Application Deadline:** Oct 30, 2019  
**Maximum Total Value Per Award:** $250,000  
**Estimated Number of Awards:** 1

**Summary**
Embassy Buenos Aires would like to further enhance the strong existing links between both national park systems by implementing an exchange program that will address the current challenges that park services are facing in the 21st century. This program will be primarily focused on improving the visitor experience, its sustainability and project management, developing public and educational programming, advisory for national park staff, rangers and guides.

Link: PAS-AR200-FY19-03

Department of State/ U.S. Mission to Malaysia
Content creation to build local capacity in addressing violent extremism and promoting positive decision making among Malaysian youth
Funding Opportunity Number: SMY-300-FY19-CVE-CONTENT-CREATION
Application Deadline: Sep 26, 2019
Estimated Maximum Total Value: $250,000
Maximum Total Value Per Award: $250,000
Estimated Number of Awards: 10
Summary
The Embassy is seeking an organization with experience in creating CVE-focused programs and content in Malaysia to produce documentaries, podcasts, and social media posts effective in countering violent extremism. A successful proposal will integrate the training of a diverse collection of young, local talent to produce their own content effective in supporting CVE efforts.

Link: SMY-300-FY19-CVE-CONTENT-CREATION

Department of State/Bureau of Educational and Cultural Affairs
FY 2020 Study of the U.S. Institutes for Scholars
Funding Opportunity Number: SFOP0006158
Application Deadline: Oct 28, 2019
Estimated Maximum Total Value: $1,750,000
Maximum Total Value Per Award: $875,000
Estimated Number of Awards: 1
Summary
Study of the U.S. Institutes for Scholars are intensive academic programs whose purpose is to provide foreign university faculty and other professionals the opportunity to deepen their positive understanding of U.S. society, culture, values, and institutions, broadly defined. The Institutes, one on Religious Freedom and Pluralism and one on U.S. Economics and Business, will also enable participants to strengthen curricula and to improve the quality of teaching about the United States in academic institutions abroad.

Link: SFOP0006158

Education, Community, Arts
Department of Agriculture/National Institute of Food and Agriculture
Distance Education Grants Program for Institutions of Higher Education in Insular Areas (DEG)
Funding Opportunity Number: USDA-NIFA-RIGP-006870
Application Deadline: Jan 23, 2020
Estimated Maximum Total Value: $800,000
Maximum Total Value Per Award: $150,000
Estimated Number of Awards: 6

Summary

The purpose of this program is strengthen the capacity of Institutions of Higher Education in Insular Areas to carry out resident instruction, curriculum, and teaching programs in the food and agricultural sciences through distance education technology. The Distance Education Grants Program for Institutions of Higher Education in Insular Areas (DEG) is a NIFA-administered competitive grants program focused on improving formal, postsecondary agricultural sciences education.

Link: USDA-NIFA-RIGP-006870