NEW GRANT OPPORTUNITIES/AGENCY NOTICES
August 29, 2019

NEW GRANTS

Science and Technology

Department of Defense/DARPA - Defense Sciences Office
Young Faculty Award (YFA)
Funding Opportunity Number: DARPA-RA-19-01
Application Deadline: Nov 19, 2019
Summary
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. In particular, 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.

Department of Defense/ DARPA - Biological Technologies Office
ReSource
Funding Opportunity Number: HR001119S0084
Application Deadline: Nov 05, 2019
Summary
The goal of the ReSource program is to provide the military with an integrated system to convert plastics, and other energy-dense waste, into food and other strategic chemicals. Developed technologies should function in austere environments to extend long-term missions by engaging single-use wastes and scavenged materials as feedstock, consequently decreasing the logistic burdens and risks associated with delivery of supplies.

Link: HR001119S0084

Department of Defense/ DARPA - Information Innovation Office
Semantic Forensics (SemaFor)
Funding Opportunity Number: HR001119S0085
Application Deadline: Nov 21, 2019
Summary
The Semantic Forensics (SemaFor) program will develop technologies to automatically detect, attribute, and characterize falsified multi-modal media assets (text, audio, image, video) to defend against large-scale, automated disinformation attacks. Statistical detection techniques have been successful, but media generation and manipulation technology is advancing rapidly. Purely statistical detection methods are quickly becoming
insufficient for detecting falsified media assets. Detection techniques that rely on statistical fingerprints can often be fooled with limited additional resources (algorithm development, data, or compute). However, existing automated media generation and manipulation algorithms are heavily reliant on purely data driven approaches and are prone to making semantic errors.

Link: [HR001119S0085](#)

**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  
Letter of Intent Deadline Date: November 4, 2019  
Estimated Maximum Total Value: $30,000,000

**Summary**

EFRI seeks proposals with transformative ideas that represent an opportunity for a significant shift in fundamental engineering knowledge with a strong potential for long term impact on national needs or a grand challenge. The proposals must also meet the detailed requirements delineated in this solicitation. An informational webinar will be held on Wednesday, September 18, 2019 at 1:00pm Eastern to discuss the EFRI program and answer questions about the FY 2020 solicitation. Details on how to join this webinar will be posted on the [EFMA website](#).

**National Science Foundation**

**NSF/Intel Partnership on Foundational Microarchitecture Research**

Funding Opportunity Number: 19-598  
Application Deadline: Nov 20, 2019  
Estimated Maximum Total Value: $2,500,000

**Summary**

This solicitation seeks microarchitecture technique innovations beyond simplistic, incremental scaling of existing microarchitectural structures. Specifically, FoMR seeks to advance research that has the following characteristics: (1) high IPC techniques ranging from microarchitecture to code generation; (2) “microarchitecture turbo” techniques that marshal chip resources and system memory bandwidth to accelerate sequential or single-threaded programs; and (3) techniques to support efficient compiler code generation. Advances in these areas promise to provide significant performance improvements that continue the trends characterized by Moore’s Law.

Link: [19-598](#)

**National Science Foundation**

**Research in the Formation of Engineers**

Funding Opportunity Number: PD-19-1340  
Application Deadline: Proposals accepted anytime  
Estimated Maximum Total Value: $5,600,000

**Summary**

The goal of the Research in the Formation of Engineers (RFE) program is to advance our understanding of professional formation. It seeks both to deepen our fundamental understanding of the underlying processes and mechanisms that support professional formation and to demonstrate how professional formation is or can be
accomplished. Ultimately RFE aims to transform the engineer-formation system, and thus the impact of proposed projects on this system must be described.

Link: PD-19-1340

**NOAA/ Office of Weather and Air Quality**

**FY2020 Office of Weather and Air Quality Research Programs**

Funding Opportunity Number:

Application Deadline: Nov 20, 2019

Maximum Total Value Per Award: $7,000,000

Estimated Number of Awards: 23

Summary

NOAA’s Office of Weather and Air Quality (OWAQ) is soliciting proposals for weather, air quality, and earth-system modeling research reflecting multiple science objectives spanning time scales from hours to seasons, and from weather and water observations and earth system modeling to social and behavioral science. There will be three grant competitions from this notification valued at approximately $7,000,000 as follows: 1) Joint Technology Transfer Initiative (JTTI), 2) Verification of the Origins of Rotation in Tornadoes Experiment - Southeast U.S. (VORTEX-SE), and 3) Climate Testbed (CTB).

Link: NOAA-OAR-OWAQ-2020-2006188

**Department of Agriculture/Animal and Plant Health Inspection Service**

**National Animal Disease Preparedness and Response Program 2019 Training and Exercise**

Funding Opportunity Number: USDA-APHIS-10025-VSCEAH00-20-0001

Application Deadline: Oct 25, 2019

Maximum Total Value Per Award: $1,000,000

Summary

This funding opportunity is provided to carry out the National Animal Disease Preparedness and Response Program (NADPRP) as described in Section 12101 of Agriculture Improvement Act of 2018 (aka “2018 Farm Bill”). Congress authorized USDA to create this new program to address the increasing risk of the introduction and spread within the United States of animal pests and diseases affecting the economic interests of the livestock and related industries of the United States. To carry out the program, the Secretary is authorized to enter into cooperative agreements or other legal instruments, as authorized under Section 10413 (referred to hereafter as ‘agreements’) with eligible entities. Eligible entities are listed below.

Link: USDA-APHIS-10025-VSCEAH00-20-0001

**Department of Agriculture/ Food and Nutrition Service**

**FY18 Center for Food Safety Research in Child Nutrition Programs**

Funding Opportunity Number: USDA-FNS-FS-KSU-2019

Application Deadline: Sep 07, 2019

Estimated Maximum Total Value: $600,000

Maximum Total Value Per Award: $600,000

Estimated Number of Awards: 1

Summary
The Center for Food Safety in Child Nutrition Programs, hereafter referred to as the Center, will provide leadership in advancing food safety research and practices within USDA FNS nutrition assistance programs. The Center will conduct research and use innovative techniques to disseminate research results to effectively address the food safety needs of Child Nutrition Program stakeholders. To achieve its mission, the Center will be comprised of an interdisciplinary team that promotes the use of best practices and collaboration among stakeholders.

Link: USDA-FNS-FS-KSU-2019

National Aeronautics and Space Administration
ROSES 2019: Surface Water and Ocean Topography Science Team
Funding Opportunity Number: NNH19ZDA001N-SWOTST
Application Deadline: Nov 21, 2019
Summary
The NASA Science Mission Directorate (SMD) pursues NASA’s strategic objectives using a wide variety of spaceflight programs that enable the execution of both remote sensing and in situ investigations. These investigations are carried out through the flight of space missions in Earth orbit, as well as to or even beyond objects in the Solar System, and also through ground-based research activities that directly support these space missions.

Link: NNH19ZDA001N-SWOTST

Department of Energy/ Office of Nuclear Energy
Fiscal Year 2020 Consolidated Innovative Nuclear Research
Funding Opportunity Number: DE-FOA-0002128
Application Deadline: Feb 12, 2020
Estimated Maximum Total Value: $68,000,000
Maximum Total Value Per Award: $1,000,000
Estimated Number of Awards: 58
Summary
This FOA addresses the competitive portion of NE’s R&D portfolio, as executed through the Nuclear Energy University Program (NEUP), Nuclear Energy Enabling Technologies (NEET) Crosscutting Technology Development (CTD), and the Nuclear Science User Facilities (NSUF). NEUP utilizes up to 20% of funds appropriated to NE’s R&D program for university-based infrastructure support and R&D in key NE program-related areas: Fuel Cycle Research and Development (FC R&D), Reactor Concepts Research, Development and Demonstration (RC RD&D), and Nuclear Energy Advanced Modeling and Simulation (NEAMS).

Link: DE-FOA-0002128

Department of Energy/ Office of Nuclear Energy
Scientific Infrastructure Support for Consolidated Innovative Nuclear Research
Funding Opportunity Number: DE-FOA-0002129
Application Deadline: Nov 14, 2019
Maximum Total Value Per Award: $5,000,000
Summary
DOE is seeking applications under the Infrastructure FOA in the following areas: 1. University Research Reactor Upgrades Infrastructure Support; and 2. General Scientific Infrastructure (GSI) Support for Universities

Link: DE-FOA-0002129
Health

HHS/ Administration for Children and Families
OPRE Family Self-Sufficiency and Stability Research Scholars Network
Funding Opportunity Number: HHS-2020-ACF-OPRE-PE-1571
Application Deadline: Oct 21, 2019
Estimated Maximum Total Value: $500,000
Maximum Total Value Per Award: $100,000
Estimated Number of Awards: 5
Summary
To assist and support family self-sufficiency, including close coordination with the agency responsible for administering the Temporary Assistance for Needy Families (TANF) program, as an integral part of their research plan development and execution. In addition to supporting the proposed Principal Investigator (PI) to pursue their individual programs of rigorous and relevant research, entities must also support PIs in participating in a multidisciplinary learning community by collaborating with other members of the Network funded under this announcement.
Link: HHS-2020-ACF-OPRE-PE-1571

HHS/ National Institute of Allergy and Infectious Diseases
Limited Competition: Exploratory and Developmental Research Grant Program for NIAID K01/K08/K23 Recipients (R21 Clinical Trial Not Allowed)
Funding Opportunity Number: PAR-19-351
Application Deadline: Sep 07, 2020
Maximum Total Value Per Award: $200,000
Summary
The National Institute of Allergy and Infectious Diseases (NIAID) announces a program that provides NIAID-supported K01, K08, and K23 recipients with the opportunity to apply for Exploratory and Developmental Research Grant (R21) support at some point during the final two years of their K award. Through the use of this mechanism, NIAID seeks to enhance the capability of its K01, K08, and K23 award recipients to conduct research as they complete their transition to fully independent investigator status (e.g., R01 support). The R21 grant mechanism supports different types of projects, including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. The R21 is, therefore, intended to support research projects that may provide preliminary data to support a subsequent R01, or equivalent, application.
Link: PAR-19-351

HHS/ Centers for Disease Control and Prevention
ERA Evaluating Practice-based Programs, Policies, and Practices from CDCs Rape Prevention and Education (RPE) Program: Expanding the Evidence to Prevent Sexual Violence
Funding Opportunity Number: RFA-CE-20-001
Application Deadline: Jan 28, 2020
Estimated Maximum Total Value: $11,250,000
Maximum Total Value Per Award: $375,000
Estimated Number of Awards: 6
Summary

Legislative and Executive Branch Solutions | Strategic Communications | Coalition Building | Intelligence Gathering
This NOFO seeks proposals to rigorously evaluate the effectiveness of primary prevention programs, policies, or practices implemented by CDC-funded Rape Prevention and Education (RPE) programs to prevent sexual violence. Research funded under this announcement is intended to expand the evidence base for sexual violence prevention in one or more of the following strategy areas identified in the STOP SV technical package: Promote Social Norms that Protect Against Violence, Provide Opportunities to Empower and Support Girls and Women, and Create Protective Environments. CDC’s STOP SV: A Technical Package to Prevent Sexual Violence outlines the best available evidence for sexual violence prevention and is used by state and local health departments participating in CDC’s RPE Program to develop and implement programs, policies and practices to prevent sexual violence.

Link: RFA-CE-20-001

Department of Defense/ NAVAL MEDICAL LOGISTICS COMMAND
Naval Medical Research Center: Research and Development of Protective Vaccines and Other Countermeasures Against Infectious Disease Agents of Military Importance.
Funding Opportunity Number: N62645-PA-19-2
Application Deadline: Sep 19, 2019
Maximum Total Value Per Award: $56,826,775
Estimated Number of Awards: 1

Summary
Infectious diseases have negatively impacted U.S. military operations dating as far back as the Revolutionary War. Recent outbreaks of Ebola, Chikungunya and Zika combined with the ongoing threats posed by malaria, infectious diarrhea and multi-drug resistant bacteria in regions where U.S. military personnel operate underscore the need for preventive measures to mitigate against the impact that infectious diseases have on the operational forces of the U.S. The goal of this Cooperative Agreement is to engage in a collaborative research and development (R&D) effort for protective vaccines and other countermeasures targeting the causative agents of malaria, travelers’ diarrhea, rickettsial pathogens, multi-drug resistant bacteria, and emerging viral diseases.

Link: N62645-PA-19-2

International

Department of State/ U.S. Mission to Australia
Looking to 2040: Developing Next-Generation Leaders and Policy Thinkers of the U.S.-Australia Partnership in the Indo-Pacific Region
Funding Opportunity Number: PASCNB-NOFO-FY-19-02
Application Deadline: Sep 19, 2019
Maximum Total Value Per Award: $200,000
Estimated Number of Awards: 1

Summary
Young Australians tend to be skeptical of the importance of the U.S.-Australia bilateral relationship; only 38 percent of Australians under the age of 45 said that our alliance is “very important,” according to a recent Lowy Institute poll. Confidence in democratic institutions among that age group is also in decline; according to the same poll, only 47 percent of young Australians believe that democracy is preferable to other forms of
government. To address these trends, and develop policies that win support for our shared vision for a free, open, secure, and prosperous Indo-Pacific region, the U.S. Embassy in Australia seeks to fund a program that identifies, develops, and equips next-generation leaders to gain a greater understanding about the U.S.-Australia alliance, the common values and democratic principles that underpin our two societies, and our shared vision for the Indo-Pacific.

Link: PASCNB-NOFO-FY-19-02

Department of State/ U.S. Mission to Algeria
The Role of the Media in Countering Violent Extremism
Funding Opportunity Number: SAG10019GR0054
Application Deadline: Sep 03, 2019
Estimated Maximum Total Value: $200,000
Estimated Number of Awards: 1
Summary
The U.S. Embassy in Algiers strives to foster mutual understanding between the people of the United States and Algeria. This mission, implemented by U.S. embassies around the world, is overseen within the Department of State by the Bureau of Educational and Cultural Affairs (ECA).

Link: SAG10019GR0054

Department of State/ U.S. Mission to Argentina
Buenos Aires English for Journalists and Disinformation
Funding Opportunity Number: PAS-AR200-FY-19-02
Application Deadline: Sep 23, 2019
Estimated Maximum Total Value: $35,000
Estimated Number of Awards: 1
Summary
The Embassy of the United States of America in Argentina invites proposal submissions to create a curriculum for English language students of intermediate and advanced ability to study both English and journalism, based on the UNESCO publication Journalism, 'Fake News' and Disinformation: A Handbook for Journalism Education and Training ("Curriculum").

Link: PAS-AR200-FY-19-02

US Agency for International Development/ Senegal USAID-Dakar
Health Services Delivery (HSD) Activity
Funding Opportunity Number: 72068519RFA00008
Application Deadline: Sep 24, 2019
Maximum Total Value Per Award: $89,000,000
Estimated Number of Awards: 2
Summary
USAID may not award to an applicant unless the applicant has complied with all applicable unique entity identifier and System for Award Management (SAM) requirements detailed in Section D.6.h. The registration process may take many weeks to complete. Therefore, Applicants are encouraged to begin registration early in the process.

Link: 72068519RFA00008

Legislative and Executive Branch Solutions | Strategic Communications | Coalition Building | Intelligence Gathering
US Agency for International Development/ Malawi USAID-Lilongwe
Expanding Malawi HIV/AIDS Prevention with Local Organizations Working for an Effective Epidemic Response (EMPOWER)
Funding Opportunity Number: 72061219RFA00005
Application Deadline: Oct 07, 2019
Estimated Maximum Total Value: $72,000,000
Maximum Total Value Per Award: $33,000,000
Summary
EMPOWER is a five-year program with the goal of preventing new Human Immunodeficiency Virus (HIV) infections in targeted populations in PEPFAR priority districts in Malawi. EMPOWER will strive to increase use of proven, high impact, HIV prevention interventions by high-risk and underserved populations. A further objective is to identify undiagnosed HIV-infected persons (HIV case-finding) and link them to life-saving antiretroviral treatment (ART). Through EMPOWER, USAID plans to award up to five cooperative agreements to implement four related HIV prevention components: (1) Voluntary Medical Male Circumcision (VMMC); (2) DREAMS Adolescent Girls and Young Women (AGYW) Services and HIV Case-Finding (3) Comprehensive Condom Programming (CCP). Up to two awards are anticipated to implement component 1 and one or more each to implement components 2, and 3. Multiple components could be combined under one larger award.

Link: [72061219RFA00005](#)

NOTICES

NOAA/ Office of Weather and Air Quality
Social and Behavioral Science Research to Operations Workshop
The OWAQ Social and Behavioral Science (SBS) Research to Operations (R2O) workshop will foster interactive discussion to nurture an understanding of the roles, goals, and capacities of people and organizations comprising the SBS and weather communities. The goal is to build shared languages, terminologies, theories, concepts, and methodologies, to enhance the research to operations process. Throughout the process NOAA may develop best practices, identify research gaps, and discover new approaches to our challenges. To be held September 4 - 6, 2019

Register-Now

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