

# **New Grant Opportunities/Agency Notices**

June 10, 2021

# **NEW GRANTS**

# Science and Technology

Department of Defense/DARPA - Biological Technologies Office

Fieldable Solutions for Hemorrhage with bio-Artificial Resuscitation Products (FSHARP)

Funding Opportunity Number: <u>HR001121S0027</u>

Summary:

The goal of the FSHARP program is to leverage advances in bio-artificial blood substitute technologies to develop field deployable, shelf-stable hemorrhage countermeasures to sustain warfighters and civilian casualties in austere, prehospital settings.

# **Department of Defense/ NAVAIR**

FY21 Naval Air Warfare Center Aircraft Division (NAWCAD) Office-Wide Broad Agency Announcement

Funding Opportunity Number: N0042121S0001

Application Deadline: Jun 02, 2022

Summary

The Naval Air Warfare Center Aircraft Division (NAWCAD) is interested in receiving proposals for research and development projects, which offer potential for advancement and improvement of NAWCAD operations. Readers should note that this is an announcement to declare NAWCAD's broad role in competitive funding of meritorious research across a spectrum of science and engineering disciplines.

# **Department of Defense/ Naval Information Warfare**

Center Pacific C4ISR, Information Operations, Cyberspace Operations and Information Technology System Research, Cryogenics & Quantum

Funding Opportunity Number: N66001-21-S-4700

Application Deadline: Jun 03, 2022

Summary

The Naval Information Warfare Center, Pacific (NIWC Pacific) is soliciting white papers and proposals in accordance with Federal Acquisition Regulation (FAR) 6.102(d)(2), FAR 35.016, Department of Defense Grant and Agreement Regulations (DoDGARS) 22.315(a), 10 U.S.C. § 2371b.. Submissions in response to this announcement shall be for areas relating to the advancement of Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance (C4ISR) capabilities, enabling technologies for Information Operations and Cyberspace Operations, and Information Technology systems. Accordingly, proposals selected for award are considered to be the result of full and open competition and fully compliant with PL 98-369, "The Competition in Contracting Act of 1984." This BAA is for procurement contracts (hereinafter referred to as contracts), grants, cooperative agreements, and other transactions. Proposed research should investigate unique and innovative approaches for defining and developing next generation integratable C4ISR capabilities and command suites.



# Department of Defense/Air Force Office of Scientific Research

BROAD AGENCY ANNOUNCEMENT: Research Interests of the Air Force Office of Scientific Research

Funding Opportunity Number: FA9550-21-S-0001

Application Deadline: Open

Summary

AF Office of Science focus is on research areas that offer significant and comprehensive benefits to our national warfighting and peacekeeping capabilities. These areas are organized and managed in two scientific branches, each with two teams:

- Engineering and Information Sciences (RTA)
  - ENGINEERING AND COMPLEX SYSTEMS (RTA1)
  - INFORMATION AND NETWORKS (RTA2)
- Physical and Biological Sciences (RTB)
  - PHYSICAL SCIENCES (RTB1)
  - CHEMISTRY AND BIOLOGICAL SCIENCES (RTB2

#### **National Science Foundation**

# **Nanoscale Interactions**

Funding Opportunity Number: PD-21-1179

Application Deadline: Proposals accepted anytime

Summary

The goal of the Nanoscale Interactions program is to support research to advance fundamental and quantitative understanding of the interactions of nanomaterials and nanosystems with biological and environmental media.

#### **National Science Foundation**

# **Biophotonics**

Funding Opportunity Number: PD-21-7236

Application Deadline: Proposals accepted anytime

Summary

The goal of the Biophotonics program is to explore the research frontiers in photonics principles, engineering and technology that are relevant for critical problems in fields of medicine, biology and biotechnology. Fundamental engineering research and innovation in photonics is required to lay the foundations for new technologies beyond those that are mature and ready for application in medical diagnostics and therapies. Advances are needed in nanophotonics, optogenetics, contrast and targeting agents, ultra-thin probes, wide field imaging, and rapid biomarker screening. Low cost and minimally invasive medical diagnostics and therapies are key motivating application goals.

#### **National Science Foundation**

# **Fluid Dynamics**

Funding Opportunity Number: PD-21-1443

Application Deadline: Proposals accepted anytime

Summary

The Fluid Dynamics program supports fundamental research toward gaining an understanding of the physics of various fluid dynamics phenomena. Proposed research should contribute to basic scientific understanding via experiments, theoretical developments, and computational discovery.



# National Science Foundation Environmental Sustainability

Funding Opportunity Number: PD-21-7643

Application Deadline: Proposals accepted anytime

Summary

The goal of the Environmental Sustainability program is to promote sustainable engineered systems that support human well-being and that are also compatible with sustaining natural (environmental) systems. These systems provide ecological services vital for human survival. Research efforts supported by the program typically consider long time horizons and may incorporate contributions from the social sciences and ethics. The program supports engineering research that seeks to balance society's need to provide ecological protection and maintain stable economic conditions.

# National Oceanic and Atmospheric Administration/National Marine Fisheries Service FY22 Bluefin Tuna Research Program

Funding Opportunity Number: NOAA-NMFS-SE-2022-2006951

Application Deadline: 9/24/2021

Estimated Total Program Funding: \$600,000

Estimated Average Total Value Per Award: \$125,000

Estimated Number of Awards: 5

Estimated Period of Performance: 12 months

Summary

The objective of the program is to provide a basis for advancing science-based fisheries management for Atlantic bluefin tuna. Such advancement will depend upon improvements in understanding of the fisheries and biology of bluefin tuna, especially regarding the effects of mixing and movement between the eastern and western Atlantic populations. Contracting Parties to the International Convention for the Conservation of Atlantic Tunas (ICCAT), of which the US is one, and other partners have embarked upon a multi-year research program on bluefin tuna as a step toward improving ICCAT's science-based management of Bluefin fisheries. Research sponsored under this funding opportunity represents a contribution to this partnership. Proposals that demonstrate collaborations with the ICCAT Atlantic Bluefin Tuna Research Program and other ICCAT partners are strongly encouraged.

# National Oceanic and Atmospheric Administration/National Ocean Service

FY 2022 - FY2023 Margaret A. Davidson Graduate Fellowships for the National Estuarine Research Reserve System

Funding Opportunity Number: NOAA-NOS-OCM-2021-2006941

Application Deadline: 12/10/2021

Estimated Total Annual Program Funding: \$1,740,000 Maximum Total Annual Value Per Award: \$60,000

Estimated Number of Awards: 29

Estimated Period of Performance: 2 years

Summary

The purpose of this notice is to solicit grant proposals for the National Estuarine Research Reserve System's Margaret A. Davidson Graduate Fellowship (Davidson Fellowship) from master's and doctoral students admitted to or enrolled full-time in a graduate program at an accredited university. The program aims to balance the needs of the natural environment and coastal communities. The goals of the Davidson Fellowship are to build the next generation of leaders in estuarine science and coastal management by affording qualified graduate students the opportunity to conduct



collaborative science within the National Estuarine Research Reserve System; partake in professional development opportunities; and receive mentoring to support professional growth.

# **Agriculture**

Department of Agriculture/ Animal and Plant Health Inspection Service

National Animal Disease Preparedness and Response Program 2021 Cooperative/Interagency Agreements

Funding Opportunity Number: <u>USDA-APHIS-10025-VSSP0000-22-0001</u>

Application Deadline: Aug 06, 2021

Summary

This funding opportunity is provided to carry out the NADPRP as described in Section 12101 of the Agriculture Improvement Act of 2018 (aka "2018 Farm Bill"). Through the NADPRP program, APHIS provides funds to support high-value projects that will help prevent the introduction and spread of foreign and emerging animal diseases that threaten U.S. agriculture. Each year, APHIS makes funding available to support projects in priority areas of animal disease preparedness and response that are identified through consultation with eligible entities and stakeholders. Additional details about the program are available on the USDA APHIS NADPRP website.

# Department of Agriculture/ Animal and Plant Health Inspection Service Joint National Animal Health Laboratory Network and National Animal Disease Preparedness and Response Programs 2021

Funding Opportunity Number: <u>USDA-APHIS-10025-VSDB000-22-0001</u>

Application Deadline: Aug 06, 2021

Summary

The U.S. Department of Agriculture (USDA), Animal and Plant Health Inspection Service (APHIS), Veterinary Services (VS) is announcing the availability of up to \$5 million in funds to be provided to support successful projects that will develop and/ or evaluate point-of-care diagnostic tests that will enhance the nation's ability to quickly detect high-consequence foreign animal diseases (FADs) and accelerate our response and containment efforts

# Law, Justice

# **Department of Justice/ Community Oriented Policing Services**

Community Policing Development (CPD) Tolerance, Diversity, and Anti-Bias Online Training Solicitation

Funding Opportunity Number: O-COPS-2021-81002

Application Deadline: Jul 21, 2021

Summary

The Fiscal Year 2021 Community Policing Development (CPD) Tolerance, Diversity, and Anti-Bias Online Training Program funds are used to develop and pilot an online tolerance, diversity, and anti-bias training and deliver in the classroom.

# Department of Justice/ Community Oriented Policing Services Community Policing Development (CPD) Accreditation Solicitation

Funding Opportunity Number: O-COPS-2021-75010

Application Deadline: Jul 21, 2021

Summary



The Fiscal Year 2021 Community Policing Development (CPD) Accreditation Program funds are used to develop the capacity of law enforcement to implement community policing strategies by providing guidance on promising practices through the development and testing of innovative strategies; building knowledge about effective practices and outcomes; and supporting new, creative approaches to preventing crime and promoting safe communities.

# Department of Justice/ Community Oriented Policing Services Community Policing Development (CPD) De-Escalation Training Solicitation

Funding Opportunity Number: <u>O-COPS-2021-75008</u>

Application Deadline: Jul 21, 2021

Summary

Community Policing Development (CPD) funds are used to develop the capacity of law enforcement to implement community policing strategies by providing guidance on promising practices through the development and testing of innovative strategies; building knowledge about effective practices and outcomes; and supporting new, creative approaches to preventing crime and promoting safe communities. The De-Escalation Regional Training Center subcategory is designed to support the creation and delivery of national level de-escalation training efforts. The De-Escalation State, Local, and Tribal Law Enforcement Agency Grants subcategory supports state and local law enforcement agencies efforts to build and maintain their officers' de-escalation proficiency.

# Department of Justice/ National Institute of Corrections Pretrial Publication Series and Multimedia Development

Funding Opportunity Number: <u>21CS05</u> Application Deadline: Aug 02, 2021

Summary

Through the activities of this solicitation, the awardee will develop a series of publications based on the essential elements of a high functioning pretrial services agency and develop a plan and materials to disseminate the series using multi-media content.

### **Department of Justice/ Bureau of Justice Statistics**

BJS FY 2021 Invited to Apply - National Criminal History Improvement Technical Assistance Program (NCHIP-TA)

Funding Opportunity Number: O-BJS-2021-37001

Application Deadline: Jun 14, 2021

Summary

Through this solicitation, BJS is seeking a national technical assistance service provider to support the goals and objectives of its National Criminal History Improvement Program (NCHIP) and NICS Act Record Improvement Program (NARIP). Direct technical assistance is provided to states, territories, and tribal jurisdictions to ensure that records systems are developed and managed to conform to FBI standards, ensure jurisdictions are using the most appropriate technologies, and adhere to the highest standards of practice with respect to privacy and confidentiality. An additional component of this program includes the routine collection and evaluation of performance measures to ensure that progress is being made in improving state and national records holdings and information Number sharing and exchanges. The NCHIP TA program has been supported by BJS since 1995.

### **Department of Justice/ Bureau of Justice Assistance**

BJA FY 21 Edward Byrne Memorial Justice Assistance Grant (JAG) Program - State Solicitation

Funding Opportunity Number: <u>O-BJA-2021-35005</u>



Application Deadline: Jul 08, 2021

Summary

The Edward Byrne Memorial Justice Assistance Grant (JAG) Program is the primary provider of federal criminal justice funding to states and units of local government. This opportunity will provide funds to eligible states as described in the solicitation.

### Department of Justice/ Bureau of Justice Assistance

BJA FY 2021 Invited to Apply - Sex Offender and Registration Notification Act (SORNA) Reallocation Funds

Funding Opportunity Number: O-BJA-2021-35001

Application Deadline: Jul 09, 2021

Summary

The Sex Offender Registration and Notification Act (SORNA) is Title I of the Adam Walsh Child Protection and Safety Act of 2006. Reallocation funds available through this opportunity are to be used directly to advance SORNA implementation.

# **Department of Justice/ Bureau of Justice Assistance**

BJA FY 2021 Invited to Apply - Prison Rape Elimination Act (PREA) Reallocation Funds

Funding Opportunity Number: O-BJA-2021-36001

Application Deadline: Jul 09, 2021

Summary

Through this opportunity, the Bureau of Justice Assistance is seeking applications for funding to provide information, support, and assistance to state, local, and tribal correctional agencies and facilities to prevent, detect, and respond to sexual abuse and sexual harassment and implement the National Prison Rape Elimination Act (PREA) Standards.

# Health

# HHS/Administration for Children and Families OPRE) Coordinated Evaluations of Child Care and Development Fund

Funding Opportunity Number: HHS-2021-ACF-OPRE-YE-1901

Application Due Date: July 20, 2021

Summary: OPRE will award Planning Grants to support partnerships between CCDF Lead Agencies and researchers to develop rigorous, policy-relevant evaluations testing child care subsidy policies designed to increase low-income families' access to high quality child care. These projects will inform local and federal understanding about the efficacy of child care subsidy policies and practices.

# HHS/Health Resources and Services Administration Delta Region Rural Health Workforce Training Program

Funding Opportunity Number: HRSA-21-105

Application Due Date: July 9, 2021

Summary: The purpose of this Program is to educate and train future and current health professionals in the rural counties and parishes of the Mississippi River Delta Region and Alabama Black Belt region in the following critical administrative support occupations: medical coding and billing, claims processing, information management, and clinical documentation.

### **HHS/Centers for Medicare & Medicaid Services**



# **Cooperative Agreement to Support Navigators in Federally-facilitated Exchanges**

Funding Opportunity Number: CA-NAV-21-001

Application Due Date: July 6, 2021

Summary: The Cooperative Agreement to Support Navigators in Federally-facilitated Exchanges (Funding Opportunity) will enable recipients to operate as Exchange Navigators in States with a Federally-facilitated Marketplace for benefit years 2022 through 2024. Applicants must be capable of carrying out all Navigator duties required by the ACA and HHS regulations.

### **HHS/ National Cancer Institute**

Method to Extend Research in Time (MERIT) Award Extension Request (Type 4 Clinical Trial Optional)

(PAR-21-138)

The National Cancer Institute (NCI) Method to Extend Research in Time (MERIT) (R37) Award provides extended grant support to Early Stage Investigators (ESIs) who qualify for conversion based on receiving a percentile within the NCI payline for established investigators on their R01 applications. By providing longer term support to ESIs who qualify, the NCI intends to offer flexibility and opportunity for creativity and innovation and additional time to successfully launch their careers and to become more established before having to submit renewal applications (NOT-CA-18-037).

### HHS/ National Institute of Neurological Disorders and Stroke

BRAIN Initiative: New Technologies and Novel Approaches for Recording and Modulation in the Nervous System (R01 Clinical Trial Not Allowed)

(RFA-NS-21-026)

The NIH BRAIN Initiative recognizes that diverse teams working together and capitalizing on innovative ideas and distinct perspectives outperform homogeneous teams. There are many benefits that flow from a diverse scientific workforce, including: fostering scientific innovation, enhancing global competitiveness, contributing to robust learning environments, improving the quality of the research, advancing the likelihood that underserved populations participate in, and benefit from research, and enhancing public trust.

### HHS/ National Institute of Neurological Disorders and Stroke

BRAIN Initiative: Optimization of Transformative Technologies for Recording and Modulation in the Nervous System (U01 Clinical Trials Not Allowed)

(RFA-NS-21-027)

The Brain Research Through Advancing Innovative Neurotechnologies® (BRAIN) Initiative is aimed at revolutionizing our understanding of the human brain. By accelerating the development and application of innovative technologies, researchers will be able to produce a revolutionary new dynamic picture of the brain that, for the first time, shows how individual cells and complex neural circuits interact in both time and space.

### HHS/ National Institute of Neurological Disorders and Stroke

HEAL Initiative: Planning Studies for Initial Analgesic Development [Small Molecules and Biologics] (R61 Clinical Trial Not Allowed)

(RFA-NS-21-029)

The goal of this funding opportunity announcement (FOA) is to solicit 2-year exploratory/planning awards that are expected to enable a future application for RFA-NS-21-015 HEAL Initiative: Team Research - for Initial Translational Efforts in Non-addictive Analgesic Development [Small Molecules and Biologics] (U19 Clinical Trial Not Allowed). Thus, the limited scope of aims and approach of these applications are expected to establish a strong research team,



feasibility, validity, or other technically qualifying results that support, enable, and/or lay the groundwork for the assay development, screening, discovery and/or validation of pharmacodynamic markers and efficacy and pharmacokinetic/pharmacodynamic projects in the subsequent RFA-NS-21-015 HEAL Initiative: Team Research U19 application.

# **HHS/ Office of Strategic Coordination (Common Fund)**

Integration, Dissemination, and Evaluation (BRIDGE) Center for the NIH Bridge to Artificial Intelligence (Bridge2AI) Program (U54 Clinical Trial Not Allowed)

(RFA-RM-21-023)

The NIH Bridge to Artificial Intelligence (Bridge2AI) Program seeks to bridge the biomedical and behavioral research communities with the rapidly growing community of experts developing AI/ML models by producing flagship datasets that adhere to the FAIR principles (Findable, Accessible, Interoperable, Reproducible) and critically integrate ethical considerations in preparing data for computation. The program will use biomedical and behavioral research grand challenges (described in ROA OTA-21-008) to drive the development of ethics, standards, tools, datasets, and skills and workforce development strategies for linking scientific workflows, protocols, and other information about the data collection process into computable knowledge.

# **Education, Community**

# **Department of Education**

Education Innovation and Research (EIR) Mid-phase and Expansion-phase Competitions

Program website

Deadline for Notice of Intent to Apply: June 28, 2021 Deadline for Transmittal of Applications: July 7, 2021

Summary

ED released two notices inviting applications (NIAs) for Mid-Phase and Expansion-Phase EIR projects. The EIR program provides funding to create, develop, implement, replicate, or take to scale entrepreneurial, evidence-based, field-initiated innovations to improve student achievement and attainment for high-need students; and rigorously evaluate such innovations. The EIR program is designed to generate and validate solutions to persistent education challenges and to support the expansion of those solutions to serve substantially larger numbers of students. Pre-Application Webinar: June 10, 2021

# **NOTICES**

#### Department of Energy/Office of Energy Efficiency and Renewable Energy (EERE)

<u>Notice</u>: EERE announced its intent to issue a Funding Opportunity Announcement in summer 2021 to support open water research and development (R&D) at the PacWave South test site. R&D supported by this funding opportunity will help advance wave energy converter technologies towards commercial viability.

# Department of Energy/ Office of Energy Efficiency and Renewable Energy (EERE)

Request for Information (RFI): Hydrogen Program's Demonstration Opportunities aligned with HyShot Initiative
The information being sought is intended to assist DOE's Hydrogen Program in further defining the scope and priorities
of its initiatives to accelerate the production, storage, delivery, and end use of clean, affordable hydrogen in the United



States. Specifically, this RFI seeks input on viable hydrogen demonstration and deployment projects that enable clean hydrogen production, infrastructure and end use to reduce emissions, create jobs, and enable a net-zero carbon emissions economy by 2050. DE-FOA-0002529

# Department of Energy/ Office of Energy Efficiency and Renewable Energy (EERE)

# Request for Information: Inclusive Innovation and Entrepreneurship in Climate Technology

DOE seeks to understand the barriers to entry to DOE funding opportunities and other forms of assistance for first-time applicants, people and organizations from underrepresented communities, underserved and frontline communities, and from other non-traditional backgrounds, as well as understanding programmatic, operational, or other internal measures that DOE can implement to remove these barriers. Measures may encompass application support services for funding opportunities, incubation and acceleration services for entrepreneurship; and other measures to support a just and inclusive innovation ecosystem. This RFI is not aimed at policy recommendations that require changes in the law, but those that DOE can implement using its existing authorities.

# **NIH/National Institute of General Medical Sciences**

Webinar: Intramural NIGMS Postdoctoral Research Associate Training (PRAT) Program and Fi2 Application Process **T be held on** June 22, 2020, 2:00-3:00 p.m. Eastern Time. To attend the webinar, please <u>Join ZoomGov Meeting</u> shortly before 2:00 p.m. EDT. **Meeting ID:** 160 996 9578 **Passcode:** 842522 <u>NOT-GM-21-052</u>

## NIH/National Institute of Child Health and Human Development

# Notice: NICHD Population Dynamics Centers Research Infrastructure Program FY2023 and FY2024

This Notice is announcing that there will be <u>NO</u> competition in Fiscal Year 2023 (FY23). The planned FY24 competition will serve as a combined competition for centers that would normally be competing in FY23 and FY24. The FOA is expected to be re-issued in Spring 2023 with an expected application due date in Summer 2023. The goal will be to make awards in Spring 2024. (NOT-HD-21-036)

# NIH/National Institute of Child Health and Human Development

Webinar for PAR-21-168 "Summer Research Education Experience Program (R25 Clinical Trial Not Allowed)" (NOT-NS-21-072)

### **HHS/ National Institute of Environmental Health Sciences**

Pre-Release Notice: Virtual Consortium for Translational/Transdisciplinary Environmental Research (ViCTER) (R01 Clinical Trial Optional)

(NOT-ES-21-008)

The National Institute of Environmental Health Sciences (NIEHS) seeks to advance understanding of how environmental agents impact human health by supporting a rich collection of research activities. This is reflected in the broad scope of the NIEHS grants portfolio (http://tools.niehs.nih.gov/portfolio/), which spans molecular, cellular and whole animal laboratory-based studies to population-based research. The integration of knowledge arising from these disparate approaches and disciplines can be achieved most effectively in transdisciplinary/translational research environments

### HHS/ National Institute of Neurological Disorders and Stroke

Pre-Release Notice: Creating an Educational Nexus for Training in Experimental Rigor (CENTER) (UC2 Clinical Trial Not Allowed)

(NOT-NS-21-074)



The purpose of this Notice is to alert the community that the National Institute of Neurological Disorders and Stroke (NINDS) plans to publish a Funding Opportunity Announcement (FOA) to solicit applications for Creating an Educational Nexus for Training in Experimental Rigor (CENTER), which will build, evaluate, and disseminate a user-friendly, harmonized, and openly accessible educational resource to promote awareness, understanding, and utilization of the principles of rigorous biomedical research.

# HHS/ National Institute of Neurological Disorders and Stroke Pre-Release Notice: Materials to Enhance Training in Experimental Rigor (METER) (UE5 Clinical Trial Not Allowed) (NOT-NS-21-075)

The purpose of this Notice is to alert the community that the National Institute of Neurological Disorders and Stroke (NINDS) plans to publish a Funding Opportunity Announcement (FOA) to solicit applications for Materials to Enhance Training in Experimental Rigor (METER), which will support the compilation and refinement of educational materials that will be incorporated into a new cutting-edge online resource that aims to promote awareness, understanding, and practice of fundamental principles of rigorous biomedical research for researchers and other scientists in various career stages and learning environments. These materials will enable acquisition of knowledge and skills to recognize and conduct rigorous experimental research. A companion FOA will solicit applications for Creating an Educational Nexus for Training in Experimental Rigor (CENTER) to build the final web-based platform and produce the digital elements (e.g. videos, graphics, and interactive components) of the online resource (see related Notice). It is expected that METER and CENTER awardees will work collaboratively to evaluate, improve, and disseminate the educational resource.

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