Weekly Grant Opportunities Update
Jacksonville State University
February 26, 2018

Department of Education

Department of Education - Office of Elementary and Secondary Education (OESE): Small, Rural School Achievement Program CFDA Number 84.358A
Proposal Due Date: April 20, 2018
Expected Number of Awards: 4000
Estimated Total Program Funding: $87,753,000
Award Ceiling: $60,000
Award Floor:
Funding Opportunity Number: ED-GRANTS-022018-001

Purpose: Under the Small, Rural School Achievement (SRSA) program, Catalog of Federal Domestic Assistance (CFDA) number 84.358A, the U.S. Department of Education (Department) awards grants on a formula basis to eligible local educational agencies (LEAs) to address the unique needs of rural school districts. In this notice, we establish the deadline and describe the submission procedures for fiscal year (FY) 2018 SRSA grant applications.


Department of Health and Human Services

Department of Health and Human Services - Administration for Community Living - Disability and Rehabilitation Research Projects (DRRP) Program: Health and Function (Development)
Proposal Due Date: April 23, 2018
Expected Number of Awards: 1
Estimated Total Program Funding: $475,000
Award Ceiling: $475,000
Award Floor: Funding Opportunity Number: HHS-2018-ACL-NIDILRR-DPHF-0269

Purpose: The purpose of NIDILRR's Disability and Rehabilitation Research Projects (DRRP) which are funded through the Disability and Rehabilitation Research Projects and Centers Program, is to plan and conduct research, demonstration projects, training, and related activities, including international activities, to develop methods, procedures, and rehabilitation technology that maximize the full inclusion and integration into society, employment, independent living, family support, and economic and social self-sufficiency of individuals with disabilities, especially individuals with the most severe disabilities, and to improve the effectiveness of services authorized under the Rehabilitation Act of 1973, as amended (Rehabilitation Act). Under this particular DRRP priority, applicants must propose a development project that is aimed at improving the health and function of individuals with disabilities. In carrying out a development project under this program, a grantee must use knowledge and understanding gained from research to create materials, devices, systems, or methods beneficial to the target population, including design and development of prototypes and processes. Please note that this is the Funding Opportunity for field-initiated DRRP development projects in the health and function domain. NIDILRR plans to make one field-initiated DRRP award in the health and function domain. NIDILRR's field-initiated DRRP award in the health and function domain may be a research project or a development project, depending on the ranking of applications provided by the peer review panel.


Department of Health and Human Services - Administration for Community Living - Disability and Rehabilitation Research Projects (DRRP) Program: Health and Function (Research)
Proposal Due Date: April 23, 2018
Expected Number of Awards: 1
Estimated Total Program Funding: $475,000
Award Ceiling: $475,000
Award Floor: Funding Opportunity Number: HHS-2018-ACL-NIDILRR-DPHF-0268

Purpose: The purpose of NIDILRR's Disability and Rehabilitation Research Projects (DRRP) which are funded through the Disability and Rehabilitation Research Projects and Centers Program, is to plan and conduct research, demonstration projects, training, and related activities, including international activities, to develop methods, procedures, and rehabilitation technology that maximize the full inclusion and integration into society, employment, independent living, family support, and economic and social self-sufficiency of individuals with disabilities, especially individuals with the most severe
disabilities, and to improve the effectiveness of services authorized under the Rehabilitation Act of 1973, as amended (Rehabilitation Act). Under this particular DRRP priority, applicants must propose a research project that is aimed at improving health and function outcomes of individuals with disabilities. In carrying out a research project under this program, a grantee must identify one or more hypotheses or research questions and, based on the hypotheses or research questions identified, perform an intensive, systematic study directed toward producing (1) new or full scientific knowledge, or (2) understanding of the subject or problem studied. Please note that this is the Funding Opportunity for field-initiated DRRP research projects in the health and function domain. NIDILRR plans to make one field-initiated DRRP award in the health and function domain. NIDILRR’s field-initiated DRRP award in the health and function domain may be a research project or a development project, depending on the ranking of applications provided by the peer review panel.

https://www.grants.gov/web/grants/view-opportunity.html?oppId=300044

Department of Health and Human Services - Administration for Community Living - Disability and Rehabilitation Research Projects (DRRP) Program: Employment of Individuals with Disabilities (Development)

Proposal Due Date: April 23, 2018
Expected Number of Awards: 1
Estimated Total Program Funding: $475,000
Award Ceiling: $475,000
Award Floor:
Funding Opportunity Number: HHS-2018-ACL-NIDILRR-DPEM-0273

Purpose: The purpose of NIDILRR’s Disability and Rehabilitation Research Projects (DRRP) which are funded through the Disability and Rehabilitation Research Projects and Centers Program, is to plan and conduct research, demonstration projects, training, and related activities, including international activities, to develop methods, procedures, and rehabilitation technology that maximize the full inclusion and integration into society, employment, independent living, family support, and economic and social self-sufficiency of individuals with disabilities, especially individuals with the most severe disabilities, and to improve the effectiveness of services authorized under the Rehabilitation Act of 1973, as amended (Rehabilitation Act). Under this particular DRRP priority, applicants must propose a development project that is aimed at improving the employment outcomes of individuals with disabilities. In carrying out a development project under this program, a grantee must use knowledge and understanding gained from research to create materials, devices, systems, or methods beneficial to the target population, including design and development of prototypes and processes. Please note that this is the Funding Opportunity for field-initiated DRRP development projects in the employment domain. NIDILRR plans to make one field-initiated DRRP award in the employment domain. NIDILRR’s field-initiated DRRP award in the employment domain may be a research project or a development project, depending on the ranking of applications provided by the peer review panel.

https://www.grants.gov/web/grants/view-opportunity.html?oppId=300074
Purpose: The purpose of NIDILRR's Disability and Rehabilitation Research Projects (DRRP) which are funded through the Disability and Rehabilitation Research Projects and Centers Program, is to plan and conduct research, demonstration projects, training, and related activities, including international activities, to develop methods, procedures, and rehabilitation technology that maximize the full inclusion and integration into society, employment, independent living, family support, and economic and social self-sufficiency of individuals with disabilities, especially individuals with the most severe disabilities, and to improve the effectiveness of services authorized under the Rehabilitation Act of 1973, as amended (Rehabilitation Act). Under this particular DRRP priority, applicants must propose a research project that is aimed at improving the employment outcomes of individuals with disabilities. In carrying out a research project under this program, a grantee must identify one or more hypotheses or research questions and, based on the hypotheses or research questions identified, perform an intensive, systematic study directed toward producing (1) new or full scientific knowledge, or (2) understanding of the subject or problem studied. Please note that this is the Funding Opportunity for field-initiated DRRP research projects in the employment domain. NIDILRR plans to make one field-initiated DRRP award in the employment domain. NIDILRR's field-initiated DRRP award in the employment domain may be a research project or a development project, depending on the ranking of applications provided by the peer review panel.

https://www.grants.gov/web/grants/view-opportunity.html?oppId=300073

Department of Health and Human Services - Centers for Disease Control – CSELS - CDC's Collaboration with Academia to Strengthen Public Health Workforce Capacity

Proposal Due Date: April 13, 2018
Expected Number of Awards: 2
Estimated Total Program Funding: $1,250,000
Award Ceiling: $1,250,000
Award Floor:
Funding Opportunity Number: CDC-RFA-OE17-17010202SUPP18
Purpose: The purpose of this Notice of Funding Opportunity (NOFO) is to support the applicant's management of domestic fellowships for students or recent graduates of CEPH-accredited schools or programs of public health or CCNE-accredited baccalaureate and higher degree colleges of nursing. Fellowships and other similar experiential placements are vital to CDC’s strategic interests to ensure students and emerging health professionals receive adequate hand-on experience in public health practice at CDC’s domestic offices, at state, tribal, local, and territorial health departments, and at other community-based settings. For the purposes of this NOFO, fellowships are for recent graduates within five years of graduation. The overall goal is to create the opportunities for academia to develop qualified, knowledgeable and experienced students and emerging health professionals suitably prepared to serve in governmental public health practice, or able to apply public health concepts in various healthcare or other settings, to collectively meet the challenge of improving the population’s health. An application that exceeds the upper value of the specified dollar range will be considered non-responsive and will not receive further review.

https://www.grants.gov/web/grants/view-opportunity.html?oppId=301012

Department of Health and Human Services - National Institutes of Health - Research on the Health of Women of Understudied, Underrepresented and Underreported (U3) Populations An ORWH FY18 Administrative Supplement (Admin Supp - Clinical Trial Optional)
Proposal Due Date: April 16, 2018
Expected Number of Awards:
Estimated Total Program Funding:
Award Ceiling: $200,000
Award Floor:
Funding Opportunity Number: PA-18-676

Purpose: The Office of Research on Womens Health (ORWH) announces the availability of administrative supplements to support interdisciplinary, transdisciplinary and multidisciplinary research focused on the effect of sex/gender influences at the intersection of a number of social determinants, including but not limited to: race/ethnicity, socioeconomic status, education, health literacy and other social determinants in human health and illness. This research includes preclinical, clinical and behavioral studies with the specific purpose to provide Administrative Supplements to active NIH parent grants for one year to address health disparities among women of populations in the US who are understudied, underrepresented and underreported in biomedical research. The proposed research must address an area specified within Objective 3.9 (Goal 3.0) of the NIH Strategic Plan for Research on Womens Health (http://orwh.od.nih.gov/research/strategicplan/index.asp) which states: Examine health disparities among women stemming from differences in such factors as race and ethnicity, socioeconomic status, gender identity, and urban-rural living, as they influence health, health behaviors, and access to screening and therapeutic interventions. Projects must include a focus on one or more NIH-designated health disparities populations, which include Blacks/African Americans, Hispanics/Latinos, American Indians/Alaska Natives, Asian Americans, Native Hawaiians and other
Pacific Islanders, socioeconomically disadvantaged populations, underserved rural populations, and sexual and gender minorities (SGM). Combinations of one or more populations is also encouraged, e.g. socioeconomically disadvantaged sexual and gender minorities.


Department of Justice

Department of Justice - National Institute of Justice - NIJ FY18 Research and Development in Forensic Science for Criminal Justice Purposes
Proposal Due Date: April 23, 2018
Expected Number of Awards: 50
Estimated Total Program Funding: $20,000,000
Award Ceiling: $20,000,000
Award Floor:
Funding Opportunity Number: NIJ-2018-13600

Purpose: With this solicitation, NIJ seeks proposals for basic or applied research and development projects. An NIJ forensic science research and development grant supports a discrete, specified, circumscribed project that will: (1) increase the body of knowledge to guide and inform forensic science policy and practice, or (2) lead to the production of useful material(s), device(s), system(s), or method(s) that have the potential for forensic application. The intent of this program is to direct the findings of basic scientific research; research and development in broader scientific fields applicable to forensic science; and ongoing forensic science research toward the development of highly-discriminating, accurate, reliable, cost-effective, and rapid methods for the identification, analysis, and interpretation of physical evidence for criminal justice purposes. Projects should address the challenges and needs of the forensic science community. The operational needs discussed at NIJ’s FY 2016 Forensic Science TWG meeting may be found on NIJ.gov. Additional research needs of the forensic science community can be found at the Organization of Scientific Area Committees website. While the goals and deliverables of proposed projects do not necessarily need to result in immediate solutions to the posted challenges or needs, they should speak to them and produce knowledge that adds to work towards eventual resolutions.

https://www.grants.gov/web/grants/view-opportunity.html?oppId=300962

Department of Transportation

Department of Transportation - DOT/Federal Railroad Administration - FY18 Law Enforcement Strategies for Reducing Trespassing Pilot Grant Program
Proposal Due Date: April 23, 2018
Expected Number of Awards: 10
Estimated Total Program Funding: $150,000
Award Ceiling: $150,000
Award Floor: $65,232,400
Funding Opportunity Number: FR-LEL-18-001

Purpose: This notice details the application requirements and procedures to obtain grant funding for eligible projects under the Law Enforcement Strategies for Reducing Trespassing Pilot Grant Program. FRA is initiating a Pilot Grant Program to benefit communities that are at high risk for rail trespassing related incidents and casualties. The objective of this program is to research the effectiveness of funding law enforcement agencies various activities aimed at reducing trespassing on the rail rights of way in developing an effective safety program. Under this program, FRA will issue a competitive grant to law enforcement agencies for the purposes of implementing enforcement activities aimed at reducing trespassing along the rail ROW. Agencies selected to receive funding will perform rail trespassing enforcement related activities and report on those activities to FRA. The activities performed through the Pilot Grant Program and their benefits will help determine whether funding directed at law enforcement agencies for rail trespass prevention activities is effective in reducing rail trespassing incidents and casualties.

https://www.grants.gov/web/grants/view-opportunity.html?oppId=300972

Department of Transportation - DOT/Federal Railroad Administration - Consolidated Rail Infrastructure and Safety Improvements (CRISI)
Proposal Due Date: June 21, 2018
Expected Number of Awards: 
Estimated Total Program Funding: $65,232,400
Award Ceiling: $65,232,400
Award Floor: $65,232,400
Funding Opportunity Number: FR-CRS-18-001

Purpose: The purpose of the CRISI Program is to assist in funding capital projects that improve passenger and freight rail transportation safety, efficiency, and reliability. At least $17 million must be made available for rural projects, and at least $10 million for projects that contribute to the initiation or restoration of intercity passenger rail service.

https://www.grants.gov/web/grants/view-opportunity.html?oppId=300981

National Science Foundation

National Science Foundation - NSF/VMware Partnership on Edge Computing Data Infrastructure
Purpose: The proliferation of mobile and Internet-of-Things (IoT) devices, and their pervasiveness across nearly every sphere of our society, continues to raise questions about the architectures that organize tomorrow’s compute infrastructure. At the heart of this trend is the data that will be generated as myriad devices and application services operate simultaneously to digitize a complex domain like a smart building or smart industrial facility. A key shift is from edge devices consuming data produced in the cloud to edge devices being a voluminous producer of data. This shift reopen a broad variety of system-level research questions concerning data placement, movement, processing and sharing. Importantly, the shift also opens the door to compelling new applications with significant industrial and societal impact in domains such as healthcare, manufacturing, transportation, public safety, energy, buildings, and telecommunications.

Edge computing is broadly defined as a networked systems architectural approach in which compute and storage resources are placed at the network edge, in proximity to the mobile and IoT devices. The approach offers advantages, such as improved scalability as local computation reduces the volume of data transported, reduced network latency and faster compute response times as data is processed on local compute nodes, and arguably improved security and privacy where data requirements preclude access and exchanges beyond the edge. Edge computing infrastructure may consist of IoT gateways, telephone central offices, cloudlets, micro data centers, or any number of schemes that support the provisioning of communication, compute and storage resources near edge devices.

This solicitation seeks to advance the state of the art in end-to-end networked systems architecture that includes edge infrastructures. The central challenge is to design and develop data-centric edge architectures, programming paradigms, runtime environments, and data sharing frameworks that will enable compelling new applications and fully realize the opportunity of big data in tomorrow’s mobile and IoT device environments. Researchers are expected to carefully consider the implications of edge computing’s multi-stakeholder context, and the need for security and privacy as first order design and operational considerations.

https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505509

National Science Foundation - Smart and Connected Health

Proposal Due Date: May 22, 2018
Expected Number of Awards: 16
Estimated Total Program Funding: $22,000,000
Award Ceiling:
Purpose: The goal of the interagency Smart and Connected Health (SCH): Connecting Data, People and Systems program is to accelerate the development and integration of innovative computer and information science and engineering approaches to support the transformation of health and medicine. Approaches that partner technology-based solutions with biomedical and biobehavioral research are supported by multiple agencies of the federal government including the National Science Foundation (NSF) and the National Institutes of Health (NIH). The purpose of this program is to develop next-generation multidisciplinary science that encourages existing and new research communities to focus on breakthrough ideas in a variety of areas of value to health, such as networking, pervasive computing, advanced analytics, sensor integration, privacy and security, modeling of socio-behavioral and cognitive processes and system and process modeling. Effective solutions must satisfy a multitude of constraints arising from clinical/medical needs, barriers to change, heterogeneity of data, semantic mismatch and limitations of current cyberphysical systems and an aging population. Such solutions demand multidisciplinary teams ready to address issues ranging from fundamental science and engineering to medical and public health practice.

The SCH program:

takes a coordinated approach that balances theory with evidenced-based analysis and systematic advances with revolutionary breakthroughs;
seeks cross-disciplinary collaborative research that will lead to new fundamental insights; and
encourages empirical validation of new concepts through research prototypes, ranging from specific components to entire systems.

The purpose of this interagency program solicitation is to support the development of technologies, analytics and models supporting next generation health and medical research through high-risk, high-reward advances in computer and information science, engineering and technology, behavior and cognition. Collaborations between academic, industry, and other organizations are strongly encouraged to establish better linkages between fundamental science, medicine and healthcare practice and technology development, deployment and use. This solicitation is aligned with national reports calling for new partnerships to facilitate major changes in health and medicine, as well as healthcare delivery and is aimed at the fundamental research to enable these changes. Realizing the promise of disruptive transformation in health, medicine and/or healthcare will require well-coordinated, multi-disciplinary approaches that draw from the computer and information sciences, engineering, social, behavioral, cognitive and economic sciences, biomedical and health research. Only Integrative proposals (INT) spanning up to 4 years with multi-disciplinary teams will be considered in response to this solicitation.

https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504739

National Science Foundation - Electronics, Photonics and Magnetic Devices
Proposal Due Date: November 1, 2018
Expected Number of Awards:
Estimated Total Program Funding:
Award Ceiling:
Award Floor:
Funding Opportunity Number: PD-18-1517

Purpose: The Electronics, Photonics and Magnetic Devices (EPMD) Program supports innovative research on novel devices based on the principles of electronics, optics and photonics, optoelectronics, magnetics, opto- and electromechanics, electromagnetics, and related physical phenomena. EPMD’s goal is to advance the frontiers of micro-, nano- and quantum-based devices operating within the electromagnetic spectrum and contributing to a broad range of application domains including information and communications, imaging and sensing, healthcare, Internet of Things, energy, infrastructure, and manufacturing. The program encourages research based on emerging technologies for miniaturization, integration, and energy efficiency as well as novel material-based devices with new functionalities, improved efficiency, flexibility, tunability, wearability, and enhanced reliability.

https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505250

National Science Foundation - Energy, Power, Control, and Networks
Proposal Due Date: November 1, 2018
Expected Number of Awards:
Estimated Total Program Funding:
Award Ceiling:
Award Floor:
Funding Opportunity Number: PD-18-7607

Purpose: The Energy, Power, Control, and Networks (EPCN) Program supports innovative research in modeling, optimization, learning, adaptation, and control of networked multi-agent systems, higher-level decision making, and dynamic resource allocation, as well as risk management in the presence of uncertainty, sub-system failures, and stochastic disturbances. EPCN also invests in novel machine learning algorithms and analysis, adaptive dynamic programming, brain-like networked architectures performing real-time learning, and neuromorphic engineering. EPCN’s goal is to encourage research on emerging technologies and applications including energy, transportation, robotics, and biomedical devices & systems. EPCN also emphasizes electric power systems, including generation, transmission, storage, and integration of renewable energy sources into the grid; power electronics and drives; battery management systems; hybrid and electric vehicles; and understanding of the interplay of power systems with associated regulatory & economic structures and with consumer behavior.

https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505249

National Science Foundation - Communications, Circuits, and Sensing-Systems
Proposal Due Date: November 1, 2018
Purpose: The Communications, Circuits, and Sensing-Systems (CCSS) Program supports innovative research in circuit and system hardware and signal processing techniques. CCSS also supports system and network architectures for communications and sensing to enable the next-generation cyber-physical systems (CPS) that leverage computation, communication, and sensing integrated with physical domains. CCSS invests in micro- and nano-electromechanical systems (MEMS/NEMS), physical, chemical, and biological sensing systems, neurotechnologies, and communication & sensing circuits and systems. The goal is to create new complex and hybrid systems ranging from nano- to macro-scale with innovative engineering principles and solutions for a variety of applications including but not limited to healthcare, medicine, environmental and biological monitoring, communications, disaster mitigation, homeland security, intelligent transportation, manufacturing, energy, and smart buildings. CCSS encourages research proposals based on emerging technologies and applications for communications and sensing such as high-speed communications of terabits per second and beyond, sensing and imaging covering microwave to terahertz frequencies, personalized health monitoring and assistance, secured wireless connectivity and sensing for the Internet of Things, and dynamic-data-enabled autonomous systems through real-time sensing and learning.

https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505248