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## Weekly Grant Opportunities Update

Jacksonville State University

September 9, 2019

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### Department of Energy

Department of Energy – Headquarters - MINORITY EDUCATION, WORKFORCE, AND TRAINING PROGRAM

Proposal Due Date: October 7, 2019

Expected Number of Awards: 10

Estimated Total Program Funding: \$4,000,000

Award Ceiling: \$475,000

Award Floor: \$150,000

Funding Opportunity Number: DE-FOA-0002042

*Purpose: The MEWT Program is designed to foster collaboration amongst MSIs, MBEs, DOE program offices, industry, state and local government agencies and other federal agencies to increase engagement and capabilities of underserved communities within STEM and energy fields.*

<https://www.grants.gov/web/grants/view-opportunity.html?opId=320198> '

### Department of Health and Human Services

Department of Health and Human Services - National Institutes of Health - Accelerating the Pace of Drug Abuse Research Using Existing Data (R01 Clinical Trial Optional)

Proposal Due Date: November 5, 2019

Expected Number of Awards:

Estimated Total Program Funding:

Award Ceiling: \$499,999

Award Floor:

**Funding Opportunity Number:****PAR-19-368**

*Purpose: The purpose of this Funding Opportunity Announcement (FOA) is to invite applications proposing the innovative analysis of existing social science, behavioral, administrative, and neuroimaging data to study the etiology and epidemiology of drug using behaviors (defined as alcohol, tobacco, prescription and other drug) and related disorders, prevention of drug use and HIV, and health service utilization. This FOA encourages the analyses of public use and other extant community-based or clinical datasets to their full potential in order to increase our knowledge of etiology, trajectories of drug using behaviors and their consequences including morbidity and mortality, risk and resilience in the development of psychopathology, strategies to guide the development, testing, implementation, and delivery of high quality, effective and efficient services for the prevention and treatment of drug abuse and HIV.*

<https://grants.nih.gov/grants/guide/pa-files/PAR-19-368.html>

**National Aeronautics and Space Administration****National Aeronautics and Space Administration - NASA SPACE TECHNOLOGY GRADUATE RESEARCH OPPORTUNITIES - FALL 2020 (NSTGRO20)****Proposal Due Date:****November 5, 2019****Expected Number of Awards:****Estimated Total Program Funding:****Award Ceiling:****\$80,000****Award Floor:****Funding Opportunity Number:****80HQTR19NOA01-20NSTGRO-B4**

*Purpose: NASA's Space Technology Mission Directorate (STMD) seeks to sponsor U.S. citizen, U.S. national, and permanent resident graduate student research that has significant potential to contribute to NASA's goal of creating innovative new space technologies for our Nation's science, exploration, and economic future.*

*This call for graduate student research proposals solicits proposals on behalf of individuals pursuing or planning to pursue master's or doctoral (Ph.D.) degrees in relevant space technology disciplines at accredited U.S. universities (see solicitation for complete eligibility requirements). Recipients, referred to as NASA Space Technology Graduate Researchers, will perform innovative space technology research and will improve America's technological competitiveness by providing the Nation with a pipeline of innovative space technologies.*

*NASA Space Technology Graduate Researchers will perform research at their respective campuses and at NASA Centers. In addition to their faculty advisor, each recipient will be matched with a technically relevant and community-engaged NASA researcher who will serve as the research collaborator on the award. Through this collaboration, graduate students will be able to take advantage of broader and/or*

deeper space technology research opportunities directly related to their academic and career objectives, acquire a more detailed understanding of the potential end applications of their space technology efforts, and directly disseminate their research results within the NASA community.

Awards resulting from this competitive selection will be made in the form of grants to accredited U.S. universities with the designated faculty advisor as the Principal Investigator (PI).

The financial and programmatic support for NSTGRO comes from STMD. These awards are a component of the Space Technology Research Grants Program which engages the entire spectrum of academic researchers, including graduate students. Awards resulting from this solicitation are planned to coincide with the start of the 2020 academic year and are subject to the availability of appropriated funds.

This solicitation covers only proposals for new awards; continuation of existing awards is handled separately.

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=320364>

## **National Science Foundation**

### **National Science Foundation - NSF INCLUDES Planning Grants**

<b>Proposal Due Date:</b>	<b>December 3, 2019</b>
<b>Expected Number of Awards:</b>	<b>30</b>
<b>Estimated Total Program Funding:</b>	<b>\$3,000,000</b>
<b>Award Ceiling:</b>	
<b>Award Floor:</b>	<b>\$100,000</b>
<b>Funding Opportunity Number:</b>	<b>19-600</b>

*Purpose: In 2016, the National Science Foundation (NSF) unveiled a set of “Big Ideas,” 10 bold, long-term research and process ideas that identify areas for future investment at the frontiers of science and engineering (see [https://www.nsf.gov/news/special\\_reports/big\\_ideas/index.jsp](https://www.nsf.gov/news/special_reports/big_ideas/index.jsp)). The Big Ideas represent unique opportunities to position our Nation at the cutting edge of global science and engineering leadership by bringing together diverse disciplinary perspectives to support convergence research. As such, when responding to this solicitation, even though proposals must be submitted to the Education and Human Resources (EHR) Directorate/Division of Human Resource Development (HRD), once received, the proposals will be managed by a cross-disciplinary team of NSF Program Directors. Through this solicitation, NSF Inclusion across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science (NSF INCLUDES) will support Planning Grants to build capacity for the development of collaborative infrastructure to: (a) facilitate innovative partnerships, networks, and theories of action for broadening participation in science, technology, engineering, and mathematics (STEM) at scale and (b) lead to the establishment of future centers, alliances, or other large-scale networks to address a broadening participation challenge. While this solicitation is open to all, NSF INCLUDES Design and Development Launch Pilots are especially*

*encouraged to apply, as a Planning Grant could serve as an intermediate conduit for bringing their exploratory pilotwork to scale. A hallmark of NSF INCLUDES is to support the development of collaborative infrastructure to achieve systemic change. Collaborative infrastructure refers to the process by which partnering organizations come together with a shared vision; map out mutually reinforcing activities; develop goals, objectives, and measures to chart their progress; engage in constant communication; and advance the potential for expansion, sustainability, and scaling that would not be possible otherwise. NSF INCLUDES, one of the 10 Big Ideas, is a comprehensive national initiative to enhance U.S. leadership in STEM discoveries and innovations focused on NSF's commitment to diversity, inclusion, and broadening participation in these fields. The vision of NSF INCLUDES is to catalyze the STEM enterprise to work collaboratively for inclusive change, resulting in a STEM workforce that reflects the population of the Nation. NSF INCLUDES features a National Network composed of Design and Development Launch Pilots, Alliances, a Coordination Hub, NSF-funded broadening participation projects, other relevant NSF-funded projects, and other organizations that support the development of talent from all sectors of society to build an inclusive STEM workforce.*

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=320243>

## **National Science Foundation - Improving Undergraduate STEM Education: Education and Human Resources**

**Proposal Due Date:** December 4, 2019

**Expected Number of Awards:**

**Estimated Total Program Funding:** \$63,000,000

**Award Ceiling:** \$3,000,000

**Award Floor:** \$300,000

**Funding Opportunity Number:** 19-601

*Purpose: The fields of science, technology, engineering, and mathematics (STEM) hold much promise as sectors of the economy where we can expect to see continuous vigorous growth in the coming decades. STEM job creation is expected to outpace non-STEM job creation significantly, according to the Commerce Department, reflecting the importance of STEM knowledge to the US economy. The National Science Foundation (NSF) plays a leadership role in developing and implementing efforts to enhance and improve STEM education in the United States. Through the NSF Improving Undergraduate STEM Education (IUSE) initiative, the agency continues to make a substantial commitment to the highest caliber undergraduate STEM education through a Foundation-wide framework of investments. The IUSE: EHR is a core NSF STEM education program that seeks to promote novel, creative, and transformative approaches to generating and using new knowledge about STEM teaching and learning to improve STEM education for undergraduate students. The program is open to application from all institutions of higher education and associated organizations. NSF places high value on educating students to be leaders and innovators in emerging and rapidly changing STEM fields as well as educating a scientifically literate public. In pursuit of this goal, IUSE: EHR supports projects that seek to bring recent advances in STEM knowledge into undergraduate education, that adapt, improve, and incorporate evidence-based practices into STEM teaching and learning, and that lay the groundwork for*

*institutional improvement in STEM education. In addition to innovative work at the frontier of STEM education, this program also encourages replication of research studies at different types of institutions and with different student bodies to produce deeper knowledge about the effectiveness and transferability of findings. IUSE: EHR also seeks to support projects that have high potential for broader societal impacts, including improved diversity of students and instructors participating in STEM education, professional development for instructors to ensure adoption of new and effective pedagogical techniques that meet the changing needs of students, and projects that promote institutional partnerships for collaborative research and development. IUSE: EHR especially welcomes proposals that will pair well with the efforts of NSF INCLUDES ([https://www.nsf.gov/news/special\\_reports/nsfincludes/index.jsp](https://www.nsf.gov/news/special_reports/nsfincludes/index.jsp)) to develop STEM talent from all sectors and groups in our society. For all the above objectives, the National Science Foundation invests primarily in evidence-based and knowledge-generating approaches to understand and improve STEM learning and learning environments, improve the diversity of STEM students and majors, and prepare STEM majors for the workforce. In addition to contributing to STEM education in the host institution(s), proposals should have the promise of adding more broadly to our understanding of effective teaching and learning practices.*

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=320374>

## **National Science Foundation - Oceanographic Facilities and Equipment Support**

<b>Proposal Due Date:</b>	<b>December 16, 2019</b>
<b>Expected Number of Awards:</b>	<b>75</b>
<b>Estimated Total Program Funding:</b>	<b>\$8,500,000</b>
<b>Award Ceiling:</b>	<b>\$8,500,000</b>
<b>Award Floor:</b>	<b>\$5,000</b>
<b>Funding Opportunity Number:</b>	<b>19-602</b>

*Purpose: Oceanographic facilities and equipment are supported by the Integrative Programs Section (IPS) of the Division of Ocean Sciences (OCE), Directorate for Geosciences (GEO). These awards are made for the procurement, conversion and/or up-grade, enhancement or annual operation of platforms in the ocean, coastal, near-shore and Great Lakes. Awards are generally directed specifically to support facilities that lend themselves to shared use within the broad range of federally-supported research and education programs. Most of these platforms and facilities also receive partial support from federal agencies other than NSF. This includes state and local governments and private sources on a proportional basis usually through a daily rate mechanism. The primary objective of these awards is to ensure the availability of appropriate facilities for federally-funded investigators and educators. Individual project-based facilities and instrumentation, limited to one, or a small group of investigators, should be supported through appropriate research programs as opposed to the IPS programs listed herein. The individual programs covered within this solicitation include:*

*Ship Operations (Ship Ops)*

*Oceanographic Technical Services (Tech Services)*

*Oceanographic Instrumentation (OI)*

*Shipboard Scientific Support Equipment (SSSE)*

*Ship Acquisition and Upgrade (SAU)*  
*Other Facility Activities (OFA)*

<https://www.grants.gov/web/grants/view-opportunity.html?opId=320373>

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