Research Funding Opportunities

Organization: NSF RFP/Letter Name: Accelerating Discovery: Education the Future STEM Workforce (AD) PD 18-1998 Due Date: July 2, 2018 Summary: NSF’s Education and Human Resources Directorate seeks to invest in projects that can educate the STEM workforce to advance discovery in the six research Big Ideas: Harnessing the Data Revolution; The Future of Work; Navigating the New Arctic; Multi-messenger Astrophysics; The Quantum Leap; and Understanding the Rules of Life. In addition to developing and implementing novel educational and/or training programs, these projects should simultaneously generate new knowledge about effective STEM education, by studying such programs and exploring related issues. Specifically, NSF accepts proposals to support education research and development projects focused on re- or up-skilling the existing workforce; developing the skilled technical workforce; and/or preparing those at the undergraduate, graduate, or postdoctoral fellow/early career levels. We encourage projects to partner with industry, public, and private sectors to define the needs of tomorrow’s workforce and develop educational and learning strategies to meet those needs. Proposals should address near-, mid-, and long-term challenges and opportunities facing the development of STEM professionals or anticipate new structures and functions of the STEM learning and teaching enterprise. Proposers are encouraged to include approaches that have the potential to increase and diversify participation in STEM. All proposals should contribute to one or more of the six research Big Ideas. Link: https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505552

Organization: NSF RFP/Letter Name: National Science Foundation Research Traineeship (NRT) Program 18-507 LOI Date: November 26 – December 6, 2018 Summary: The NSF Research Traineeship (NRT) program is designed to encourage the development and implementation of bold, new, and potentially transformative models for STEM graduate education training. The NRT program seeks proposals that explore ways for graduate students in research-based master’s and doctoral degree programs to develop the skills, knowledge, and competencies needed to pursue a range of STEM careers. The program is dedicated to effective training of STEM graduate students in high priority interdisciplinary research areas, through the use of a comprehensive traineeship model that is innovative, evidence-based, and aligned with changing workforce and research needs. For FY2018, proposals are requested in any interdisciplinary research theme of national priority, with special emphasis on two high priority areas: (1) Harnessing the Data Revolution (HDR) and (2) Innovations at the Nexus of Food, Energy, and Water Systems (INFEWS). Link: https://www.nsf.gov/pubs/2018/nsf18507/nsf18507.htm
Organization: ED RFP/Letter Name: Office of Innovation and Improvement (OII): Education Innovation and Research Program: Early-phase Grants CFDA Number 84.411c ED-GRANTS-041918-003 Due Date: June 5, 2018 Summary: Early-phase grants provide funding to support the development, implementation, and feasibility testing of a program, which prior research suggests has promise, for the purpose of determining whether the program can successfully improve student achievement and attainment for high-need students. Early-phase grants must demonstrate a rationale (as defined in this notice). These Early-phase grants are not intended simply to implement established practices in additional locations or address needs that are unique to one particular context. The goal is to determine whether and in what ways relatively newer practices can improve student achievement and attainment for high-need students. Priorities: 1) Demonstrates a Rationale; 2) Field-Initiated Innovations – General; 3) Field-Initiated Innovations – Promoting Science, Technology, Engineering, or Math (STEM) Education, With a Particular Focus on Computer Science. Link: [https://www.grants.gov/web/grants/view-opportunity.html?oppId=303818](https://www.grants.gov/web/grants/view-opportunity.html?oppId=303818)

Organization: USDA RFP/Letter Name: Agriculture and Food Research Initiative – Foundational Program – Bioprocessing and Bioengineering USDA-NIFA-AFRI-006351 Due Date: June 8, 2018 Summary: This Program Area Priority focuses on engineered products and processes to improve agriculturally relevant plant, animal, forestry, and natural resource systems. Applications must have a significant engineering component. Engineering, in the context of this program priority, is defined as the application of engineering principles and tools to biological materials or systems to create usable, tangible, economically viable products and processes. Link: [https://www.grants.gov/web/grants/view-opportunity.html?oppId=293126](https://www.grants.gov/web/grants/view-opportunity.html?oppId=293126)

Organization: USDA RFP/Letter Name: Agriculture and Food Research Initiative – Foundational Program – Nanotechnology for Agricultural and Food Systems USDA-NIFA-AFRI-006351 Due Date: July 6, 2018 Summary: Nanoscale science, engineering, and technology embrace opportunities in a wide range of critical challenges facing agriculture and food systems. This Program Area Priority encourages applications in the following broad areas: innovative ideas and fundamental sciences to develop nanotechnology enabled solutions for food security through improved productivity, quality, and biodiversity; improved nutritional value of feeds and more effective therapies that significantly impact animal health and wellness; enhanced food safety and biosecurity; and increased protection for natural resources, the environment, and agricultural ecosystems. Link: [https://www.grants.gov/web/grants/view-opportunity.html?oppId=293126](https://www.grants.gov/web/grants/view-opportunity.html?oppId=293126)