

February 26, 2018



Engineering Research Transforming Our World



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Research Funding Opportunities

Organization: NSF RFP/Letter Name: Industry-University Cooperative Research Centers Program (IUCRC) 17-516 Due Date: preproposal April 18, 2018 full June 20, 2018 and December 19, 2018 Summary: The Industry-University Cooperative Research Centers (IUCRC) program develops long-term partnerships among industry, academe, and government. The Centers are catalyzed by an investment from the National Science Foundation (NSF) and are primarily supported by industry Center members, with NSF taking a supporting role in the development and evolution of the Center. Each Center is established to conduct research that is of interest to both the industry members and the Center faculty. An IUCRC contributes to the nation's research infrastructure base and enhances the intellectual capacity of the engineering and science workforce through the integration of research and education. As appropriate, an IUCRC uses international collaborations to advance these goals within the global context. Dear Colleague Letters (DCLs) Encouraging Center Proposals in Technology Focus Areas

- Cybersecurity
- Internet of Things
- Understanding the Brain's Structure and Function
- Medical Cyber-Physical Systems
- Forensic Sciences

Link:

https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5501&org=OISE&sel_org=OISE&from=fund

Organization: NSF RFP/Letter Name: Faculty Early Career Development Program (CAREER) 17-537 Date: July 18, 19, 20, 2018 Summary: CAREER: The Faculty Early Career Development (CAREER) Program is a Foundation-wide activity that offers the National Science Foundation's most prestigious awards in support of early-career faculty who have the potential to serve as academic role models in research and education and to lead advances in the mission of their department or organization. Activities pursued by early-career faculty should build a firm foundation for a lifetime of leadership in integrating education and research. NSF encourages submission of CAREER proposals from early-career faculty at all CAREER-eligible organizations and especially encourages women, members of underrepresented minority groups, and persons with disabilities to apply. PECASE: Each year NSF selects nominees for the Presidential Early Career Awards for Scientists and Engineers (PECASE) from among the most meritorious recent CAREER awardees. Selection for this award is based on two important criteria: 1) innovative research at the frontiers of science and technology that is relevant to the

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mission of NSF, and 2) community service demonstrated through scientific leadership, education, or community outreach. **Link:**

https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503214&org=OISE&sel_org=OISE&from=fund

Organization: NIH RFP/Letter Name: Research Initiative for Scientific Enhancement (RISE) (R25) PAR-16-361 Date: May 25, 2018 Summary: The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The over-arching goal of this NIGMS R25 program is to support educational activities that enhance the diversity of the biomedical, behavioral and clinical research workforce. **Link:** <https://www.grants.gov/web/grants/view-opportunity.html?oppId=285881>

Organization: NASA RFP/Letter Name: ROSES 2018: Earth Science Applications: Water Resources NNH18ZDA001N-WATER Due Date: April 17, 2018 Summary: The National Aeronautics and Space Administration (NASA) Science Mission Directorate (SMD) announces the release of its annual NASA Research Announcement (NRA), Research Opportunities in Space and Earth Sciences (ROSES) – 2018. ROSES is an omnibus NRA, with many individual program elements, each with its own due dates and topics. All together these cover the wide range of basic and applied supporting research and technology in space and Earth sciences supported by SMD. Awards will be made as grants, cooperative agreements, contracts, and inter- or intra-agency transfers, depending on the nature of the work proposed, the proposing organization, and/or program requirements. The typical period of performance for an award is three years, but some programs may allow up to five years and others specify shorter periods. Organizations of every type, domestic and foreign, Government and private, for profit and not-for-profit, may submit proposals without restriction on teaming arrangements. Note that it is NASA policy that all research involving non-U.S. organizations will be conducted on the basis of no exchange of funds. **Link:** <https://www.grants.gov/web/grants/view-opportunity.html?oppId=300746>

Organization: DOD RFP/Letter Name: DARPA Biological Technologies Office Open BAA HR001117S0030 Due Date: April 26, 2018 Summary: The mission of BTO is to foster, demonstrate, and transition breakthrough fundamental research, discoveries, and applications that integrate biology, engineering, computer science, mathematics, and the physical sciences. BTO's investment portfolio goes far beyond life sciences applications in medicine to include areas of research such as human-machine interfaces, microbes as production platforms, and deep exploration of the impact of evolving ecologies and environments on U.S. readiness and capabilities. BTO's programs operate across a wide range of scales, from individual cells to the warfighter to global ecosystems. BTO responds to the urgent and long-term needs of the Department of Defense (DoD) and addresses national security priorities. **Link:** <https://www.grants.gov/web/grants/view-opportunity.html?oppId=293473>

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