Research Funding Opportunities

**Organization: NSF RFP/Letter Name: Secure and Trustworthy Cyberspace 18-572**

**Due Date: Anytime**

**Summary:** In today’s increasingly networked, distributed, and asynchronous world, cybersecurity involves hardware, software, networks, data, people, and integration with the physical world. The goals of the SaTC program are aligned with the Federal (RDSP) and the National Privacy Research Strategy (NPRS) to protect and preserve the growing social and economic benefits of cyber systems while ensuring security and privacy. The RDSP identified six areas critical to successful cybersecurity research and development: (1) scientific foundations; (2) risk management; (3) human aspects; (4) transitioning successful research into practice; (5) workforce development; and (6) enhancing the research infrastructure. The NPRS, which complements the RDSP, identifies a framework for privacy research, anchored in characterizing privacy expectations, understanding privacy violations, engineering privacy-protecting systems, and recovering from privacy violations. In alignment with the objectives in both strategic plans, the SaTC program takes an interdisciplinary, comprehensive and holistic approach to cybersecurity research, development, and education, and encourages the transition of promising research ideas into practice. The SaTC program welcomes proposals that address cybersecurity and privacy, and draw on expertise in one or more of these areas: computing, communication and information sciences; engineering; economics; education; mathematics; statistics; and social and behavioral sciences. Proposals that advance the field of cybersecurity and privacy, and draw on expertise in one or more of these areas: computing, communication and information sciences; engineering; economics; education; mathematics; statistics; and social and behavioral sciences. Proposals that advance the field of cybersecurity and privacy, and draw on expertise in one or more of these areas: computing, communication and information sciences; engineering; economics; education; mathematics; statistics; and social and behavioral sciences. Proposals that advance the field of cybersecurity and privacy, and draw on expertise in one or more of these areas: computing, communication and information sciences; engineering; economics; education; mathematics; statistics; and social and behavioral sciences.

- **CORE:** This designation is the main focus of the SaTC research program, spanning the interests of NSF's Directorates for Computer and Information Science and Engineering (CISE), Engineering (ENG), Mathematical and Physical Sciences (MPS), and Social, Behavioral and Economic Sciences (SBE).
- **EDU:** The Education (EDU) designation will be used to label proposals focusing entirely on cybersecurity education.
- **TTP:** The Transition to Practice (TTP) designation will be used to label proposals that are focused exclusively on transitioning existing research results to practice.


**Organization: NSF RFP/Letter Name: Inclusion across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science 18-529**
**Due Date: April 2, 2019 Summary:** NSF INCLUDES (Inclusion across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science) is a comprehensive national initiative designed to enhance U.S. leadership in science, technology, engineering, and mathematics (STEM) discoveries and innovations by focusing on broadening participation in these fields at scale. The vision of NSF INCLUDES is to catalyze the STEM enterprise to collaboratively work for inclusive change, which will result in a STEM workforce that reflects the population of the Nation. All NSF INCLUDES Alliance proposals should describe the results they expect to achieve in broadening participation in STEM. Each proposal must explain how they will build the infrastructure to foster collaboration and achieve impact by emphasizing the following five characteristics of the NSF INCLUDES Program: a) Vision, b) Partnerships, c) Goals and Metrics, d) Leadership and Communication, and e) the Potential for Expansion, Sustainability and Scale. **Link:** [https://www.grants.gov/web/grants/view-opportunity.html?oppId=299857](https://www.grants.gov/web/grants/view-opportunity.html?oppId=299857)

**Organization:** NSF RFP/Letter Name: Accelerating Discovery: Educating the Future STEM Workforce PD-18-1998 Due Date: January 16, 2019 Summary: A well-prepared, innovative science, technology, engineering, and mathematics (STEM) workforce is crucial to the Nation's prosperity and security. Future generations of STEM professionals are a key sector of this workforce, especially in the critical scientific areas described in the [Big Ideas for Future NSF Investments](https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5116). To accelerate progress in these areas, the next generation of STEM professionals will need to master new knowledge and skills, collaborate across disciplines, and shape the future of the human-technology interface in the workplace. As a result, NSF recognizes the need to support development of and research on effective educational approaches that can position the future STEM workforce to make bold advances in these Big Ideas.

In response to this need, the 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. EHR is particularly interested in supporting innovative education research and development in two Big Ideas: [The Future of Work at the Human-Technology](https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5116)
Projects of interest include: innovative uses of technology and big data to understand learning; educational approaches that prepare tomorrow's innovators to use technology and big data to understand the natural world; effects of advances in intelligent agents on STEM teaching and learning; and evaluation of disruptive educational interventions on long-term student outcomes. Outcomes of these projects can enable the Nation to: better prepare its scientific and technical workforce for the future; use technological innovations effectively for education; and advance the frontiers of science. Proposals should describe projects that build on available evidence and theory, and that will generate evidence and build knowledge, while contributing to the education of the future STEM professionals. Link: https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505552

**Organization:** NIH RFP/Letter Name: NICHD Small Grant Program (R03 – Clinical Trial Optional) PA-18-481 Due Date: January 7, 2021 Summary: The NICHD Investigator-Initiated Small Research Grant (R03) funding opportunity supports small research projects that can be carried out in a short period of time with limited resources. The R03 activity code supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. Link: https://grants.nih.gov/grants/guide/pa-files/PA-18-481.html

**Organization:** DARPA RFP/Letter Name: Disruptive Capabilities for Future Warfare HR001118S0028 Due Date: June 11, 2019 Summary: The Tactical Technology Office of the Defense Advanced Research Projects Agency is soliciting executive summaries, proposal abstracts and proposals for applied research, advanced technology development, and platform demonstrations that aim to enable disruptive capabilities for future warfare. Link: https://www.grants.gov/web/grants/view-opportunity.html?oppId=306178