March Funding Opportunities Highlights

1. **Sponsor:** National Science Foundation  
**Title:** Research Experiences for Teachers (RET) in Engineering and Computer Science  
**Deadline:** April 8, 2015  

**Description:** The Directorate for Engineering (ENG) and the Directorate for Computer and Information Science and Engineering (CISE), have joined to support the Research Experiences for Teachers (RET) in Engineering and Computer Science program. This program supports active long-term collaborative partnerships between K-12 Science, Technology, Engineering, Computer and Information Science, and Mathematics (STEM) teachers and community college and university faculty and students to bring knowledge of engineering or computer and information science and engineering as well as technological innovation to pre-college/community college classrooms. The goal of these partnerships is to enable K-12 STEM teachers and community college faculty to translate their research experiences and new knowledge gained in university settings into their classroom activities. The university team will include faculty, graduate and undergraduate students as well as industrial advisors. Involvement of graduate students in support of academic-year classroom activities is particularly encouraged. Partnerships with inner city, rural or other high needs schools are especially encouraged, as is participation by underrepresented minorities, women, and persons with disabilities. As part of the long-term partnership arrangements, university undergraduate/graduate students will partner with pre-college/community college faculty in their classrooms during the academic year to help teach engineering/computer science concepts. This announcement features two mechanisms for support of in-service and pre-service K-12 STEM teachers and community college faculty: (1) RET supplements to ongoing ENG and CISE awards and (2) new RET Site awards. RET supplements may be included outside this solicitation in proposals for new or renewed NSF Directorate for Engineering (ENG) and Directorate for Computer and Information Science and Engineering (CISE) grants or as supplements to ongoing NSF ENG and CISE funded projects. RET in Engineering and Computer Science Sites, through this solicitation, are based on independent proposals from engineering or computer and/or information science departments, schools or
colleges to initiate and conduct research participation projects for K-12 STEM teachers and/or community college faculty.

2. **Sponsor:** Substance Abuse and Mental Health Services Administration  
   **Title:** 2015 Campus Suicide Prevention Grant  
   **Deadline:** April 20, 2015  

   **Description:** The purpose of this program is to facilitate a comprehensive public health approach to preventing suicide in institutions of higher education. The grant is designed to assist colleges and universities in building essential capacity and infrastructure to support expanded efforts to promote wellness and help-seeking of all students. Additionally, this grant will offer outreach to vulnerable students, including those experiencing substance abuse and mental health problems who are at greater risk for suicide and suicide attempts. The grant supports a wide range of program activities and prevention strategies to build and sustain a foundation for mental health promotion, suicide prevention, substance abuse prevention and other prevention activities such as interpersonal violence and by-stander interventions. The program seeks to address behavioral health disparities among racial, ethnic, sexual and gender minorities by encouraging the implementation of strategies to decrease the differences in access, service use and outcomes among the racial and ethnic minority populations served. Institutions may carry out the activities of this grant through college health/wellness/counseling centers, college and university psychological services centers, mental/behavioral health centers, psychological training clinics, academic departments or institutions of higher education-supported, evidence-based mental health and substance abuse programs.

3. **Sponsor:** VentureWell (formerly NCIIA)  
   **Title:** Faculty Course & Program Grant  
   **Deadline:** May 8, 2015  
   **URL:** [http://venturewell.org/facultygrants/](http://venturewell.org/facultygrants/)

   **Description:** These grants support courses or programs at the intersection of invention, innovation, and entrepreneurship that lead to the creation and support of E-Teams. Focus areas include but are not limited to:
   - General (technology-based) entrepreneurship
   - New materials/clean tech/green energy
   - Biomedical and healthcare
   - Information technology
4. **Sponsor:** National Science Foundation  
**Title:** Critical Techniques and Technologies for Advancing Foundations and Applications of Big Data Science & Engineering (BIGDATA)  
**Deadline:** May 20, 2015.  

**Description:** The BIGDATA program seeks novel approaches in computer science, statistics, computational science, and mathematics, along with innovative applications in domain science, including social and behavioral sciences, geosciences, education, biology, the physical sciences, and engineering that lead towards the further development of the interdisciplinary field of data science. The solicitation invites two types of proposals: "Foundations" (F): those developing or studying fundamental theories, techniques, methodologies, technologies of broad applicability to Big Data problems; and "Innovative Applications" (IA): those developing techniques, methodologies and technologies of key importance to a Big Data problem directly impacting at least one specific application. Therefore, projects in this category must be collaborative, involving researchers from domain disciplines and one or more methodological disciplines, e.g., computer science, statistics, mathematics, simulation and modeling, etc.