Research Funding Opportunities

**Organization: NSF RFP/Letter Name: Cultivating Cultures for Ethical STEM (CCE STEM) 18-532 Due Date: April 17, 2018 Summary:** Cultivating Cultures for Ethical STEM (CCE STEM) funds research projects that identify (1) factors that are effective in the formation of ethical STEM researchers and (2) approaches to developing those factors in all the fields of science and engineering that NSF supports. CCE STEM solicits proposals for research that explores the following: 'What constitutes responsible conduct for research (RCR), and which cultural and institutional contexts promote ethical STEM research and practice and why?' Factors one might consider include: honor codes, professional ethics codes and licensing requirements, an ethic of service and/or service learning, life-long learning requirements, curricula or memberships in organizations (e.g. Engineers without Borders) that stress responsible conduct for research, institutions that serve under-represented groups, institutions where academic and research integrity are cultivated at multiple levels, institutions that cultivate ethics across the curriculum, or programs that promote group work, or do not grade. Do certain labs have a ‘culture of academic integrity’? What practices contribute to the establishment and maintenance of ethical cultures and how can these practices be transferred, extended to, and integrated into other research and learning settings? **Link:** [https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505027&org=NSF&sel_org=NSF&from=fund](https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505027&org=NSF&sel_org=NSF&from=fund)

**Organization: USDA RFP/Letter Name: Women and Minorities in STEM Fields USDA-NIFA-WAMS-006470 Date: March 28, 2018 Summary:** This program supports research and extension projects that have robust collaborations to increase the participation of women and underrepresented minorities from rural areas in science, technology, engineering, and mathematics fields that are relevant to USDA priorities identified by the Secretary: (i) Promotion of a safe, sufficient, and nutritious food supply for all Americans and for people around the world; (ii) Sustainable agricultural policies that foster economic viability for small and mid-sized farms and rural businesses, protect natural resources, and promote value-added agriculture; (iii) National leadership in climate change mitigation and adaptation; (iv) Building a modern workplace with a modern workforce; and (v) Support for 21st century rural communities. **Link:** [https://www.grants.gov/web/grants/view-opportunity.html?oppId=300305](https://www.grants.gov/web/grants/view-opportunity.html?oppId=300305)

**Organization: NIH RFP/Letter Name: Development of Cell and Tissue Platforms to Detect Adverse Biological Consequences of Somatic Cell Gene Editing (U01 Clinical Trial Not Allowed) RFA-RM-18-015 Date: April 3, 2018 Summary:** The purpose of
this Funding Opportunity Announcement (FOA) is to solicit applications that propose to develop and validate cell- and tissue-based platforms for assessing potential adverse biological consequences of somatic cell genome editing. **Link:**
https://www.grants.gov/web/grants/view-opportunity.html?oppId=300262

**Organization:** NASA RFP/Letter Name: ROSES 2017: Early Career Fellowship Start-up Program for Named Fellows NNH17ZDA001N-ECF Due Date: March 29, 2018

**Summary:** This ROSES NRA (NNH17ZDA001N) solicits basic and applied research in support of NASA’s Science Mission Directorate (SMD). The NRA covers all aspects of basic and applied supporting research and technology in space and Earth sciences, including, but not limited to: theory, modeling, and analysis of SMD science data; aircraft, scientific balloon, sounding rocket, International Space Station, CubeSat and suborbital reusable launch vehicle investigations; development of experiment techniques suitable for future SMD space missions; development of concepts for future SMD space missions; development of advanced technologies relevant to SMD missions; development of techniques for and the laboratory analysis of both extraterrestrial samples returned by spacecraft, as well as terrestrial samples that support or otherwise help verify observations from SMD Earth system science missions; determination of atomic and composition parameters needed to analyze space data, as well as returned samples from the Earth or space; Earth surface observations and field campaigns that support SMD science missions; development of integrated Earth system models; development of systems for applying Earth science research data to societal needs; and development of applied information systems applicable to SMD objectives and data **Link:**
https://www.grants.gov/web/grants/view-opportunity.html?oppId=291972

**Organization:** DOD RFP/Letter Name: Millimeter-Wave Digital Arrays (MIDAS) HR001118S0020 Due Date: March 26, 2018

**Summary:** The Microsystems Technology Office at DARPA seeks innovative proposals that explore the extent to which multi-beam systems can be employed at millimeter wave over extremely wide ranges of frequencies, which necessitates digitization within the array itself. A reduction in size and power of digital transceivers at millimeter wave is expected and will likely involve innovative sampling and frequency conversion schemes to meet the linearity requirements. The primary goal of the program is to develop and demonstrate a tile building block sub-array (>16 elements) that supports scaling to large arrays (100’s-10,000+) in the 18-50 GHz band and does not eliminate spatial degrees of freedom within the sub-array. It is expected that this will be enabling hardware for multi-function, multi-beam phased array applications and emerging massive multiple-input multiple-output (MIMO) techniques in communication and sensing. **Link:**
https://www.grants.gov/web/grants/view-opportunity.html?oppId=300257

**Internal Grants RGS Seed**
Please submit your drafts to Monica by March 15 for COE review.
https://rgs.usu.edu/rd/rgs-funding/