Funding Opportunities
For previous funding opportunities, see
http://teesresearch.tamu.edu/funding-opportunities/

TEES Research Development – Proposal Development Assistance
If you are working on a multidisciplinary and/or multi-university proposal and would like to use the services of TEES Research Development, please contact Dr. Laurie Garton at lsgarton@tamu.edu at least four weeks prior to the due date and after successfully negotiating the white paper or preproposal stage.

LIMITED SUBMISSIONS
If you would like to receive all notices of limited submission opportunities, please email shelly.martin@tamu.edu. Note that if you are on this list, you will receive any and all announcements, whether or not they apply to you. All limited submission opportunities are also posted on the VPR’s site.

Limited Submission Harry J. Lloyd Charitable Trust Melanoma Research Grants – Career Development; Basic Science; or Translational Research – Email of Intent Due September 1, 2016; Internal Proposal Due September 6, 2016

Limited Submission Greenwall Faculty Scholars Program in Bioethics – Email of Intent Due September 1, 2016; Internal Proposal Due September 6, 2016

Limited Submission NIH Nutrition Obesity Research Centers (NORCs) (P30) – Email of Intent Due September 8, 2016; Internal Proposal Due September 12, 2016

Limited Submission NIH Academic-Community Partnership Conference Series (R13) – Email of Intent Due September 9, 2016; Internal Proposal Due September 26, 2016

Limited Submission National Science Foundation Research Traineeship (NRT) Program – Email of Intent Due September 15, 2016; Internal Proposal Due September 21, 2016

Limited Submission CPRIT High-Impact/High-Risk Research Awards – Email of Intent Due September 21, 2016; Internal Proposal Due September 28, 2016

Limited Submission CPRIT Core Facilities Support Awards – Email of Intent Due September 30, 2016; Internal Proposal Due October 3, 2016

DOD
FY2017 Office of Naval Research (ONR) Young Investigator Program (YIP) (link) – Full Due November 4, 2016 – Offerors may request up to $170,000 per year for three (3) years.
Engineered Living Materials (ELM) (link) – Proposal Abstract Due September 15, 2016 (Track 2 only); Full Due September 27, 2016 (Track 1) and November 10, 2016 (Track 2) – Multiple awards are possible. The amount of resources made available under this BAA will depend on the quality of the proposals received and the availability of funds.

Naval Engineering Education Consortium (NEEC) (link) – Full Due October 10, 2016 – The funded amount and period of performance of each proposal selected for award may vary depending on the research area and the technical approach to be pursued by the offeror selected.

Defense Sciences Office (DSO) Office-wide (link) – Executive Summary Due May 2, 2017; Abstract Due May 23, 2017 – The level of funding for individual awards made under this solicitation has not been predetermined and will depend on the scope and quality of the proposals received, as well as the availability of funds.

Biological Technologies (link) – Abstracts and Full Proposals submitted on rolling basis until April 28, 2017 – The amount of resources made available under this BAA will depend on the quality of the proposals received and the availability of funds.

DOE

U.S-India Joint Clean Energy Research and Development Center (link) – Due September 23, 2016 – Total Amount Available $7,500,000

Innovative Development in Energy-related Applied Science (IDEAS) (link) – Concept Paper Due September 30, 2016 – IDEAS awards are defined as single-phase efforts of durations 12 months or less with a total project cost of $500,000 or less.

NIH

Novel Methods for Obtaining Molecular Information from Archived Tissue Samples (R43/R44) (link) – LOI Due November 5, 2016 – According to statutory guidelines, total funding support (direct costs, indirect costs, fee) normally may not exceed $150,000 for Phase I awards and $1,000,000 for Phase II awards.

Research on Autism Spectrum Disorders (R01) (link) – Standard Due Dates October 5, 2016 (February 5, June 5) – Application budgets are not limited but need to reflect the actual needs of the proposed project.

Surgical Disparities Research (R01) (link) – LOI Due 30 days Prior to the Application; Due November 4, 2016; June 7, 2017; June 7, 2018 and June 7, 2019 – Application budgets are not limited but need to reflect the actual needs of the proposed project.

“$100,000 for Start a SUD Startup” Challenge (link) – Due September 16, 2016 – NIDA will award up to $100,000 in prizes to up to 10 winners of the contest, $10,000 each.

Social Epigenomics Research Focused on Minority Health and Health Disparities (R01) (link) – Letter of Intent Due 30 days prior to the application date; Application Due November 15, 2016 – Application budgets are not limited but need to reflect the actual needs of the proposed project.

Emerging Science and Technology in Transplantation (U01) (link) – Due October 20, 2016 – Total Amount Available $2,500,000

Biophysical and Biomechanical Aspects of Embryonic Development (R01) (link) – Due September 19, 2016; September 19, 2017; September 19, 2018 – The budget may not exceed $500,000 Direct Costs per year.
NSF

**Environmental Sustainability** ([link](#)) – Due October 20, 2016 – PD 16-7643

**Biophotonics** ([link](#)) – Due October 20, 2016 – PD 16-7236

**Process Systems, Reaction Engineering and Molecular Thermodynamics** ([link](#)) – Due October 20, 2016 – PD 16-1403

**Biomedical Engineering (BME)** ([link](#)) – Due October 20, 2016 – PD 16-5345

**Chemical and Biological Separations** ([link](#)) – Due October 20, 2016 – PD 16-1417

**Combustion and Fire Systems** ([link](#)) – Due October 20, 2016 – PD 16-1407

**Particulate and Multiphase Processes** ([link](#)) – Due October 20, 2016 – PD 16-1415

**General & Age-Related Disabilities Engineering (GARDE)** ([link](#)) – Due October 20, 2016 – PD 16-5342

**Dear Colleague Letter: Supporting Fundamental Research in Unmanned Aerial Systems (UAS)** ([link](#))

**Dear Colleague Letter: Data Resources for the BRAIN Initiative** ([link](#))

**Partnerships for Innovation: Accelerating Innovation Research – Technology Translation (PFI: AIR-TT)** ([link](#)) – LOI Due September 8, 2016 – The budget for the PFI: AIR Technology Translation is up to $200,000 for 18 months per award; approximately 45-50 awards will be made.

**NSF/VMware Partnership on Software Defined Infrastructure as a Foundation for Clean-Slate Computing Security (SDI-CSCS)** ([link](#)) – Full Due October 5, 2016 – Approximately 2 awards are anticipated, each up to $3,000,000 total and of 3 years in duration, subject to the availability of funds and quality of proposals received.

**NSF/DOE Partnership in Basic Plasma Science and Engineering** ([link](#)) – Full Due October 21, 2016 – Total Award Amount $3,500,000

USDA

**Agriculture and Food Research Initiative – Agriculture and Natural Resources Science for Climate Variability and Change Challenge Area** ([link](#)) – LOI Due September 14, 2016 for 1. Climate and Land Use; LOI not required for 2. Climate Masters Outreach and Extension – Total Amount Available $8,400,000

**Awards/ Fellowships**

**CDMRP Applied Research Award** ([link](#)) – Pre-application Due September 7, 2016 – The maximum period of performance is 3 years. The anticipated total costs budgeted for the entire period of performance will not exceed $500,000.

**Proposers Days/Webinars**

**SC2 Competitors Information (DARPA-BAA-16-47) & Competition Architecture Days (DARPA-BAA-16-48) and Webinar**
August 10, 2016 (Competitors Information Day)
August 11, 2016 (Competition Architecture Day)

**Information and Registration**

**Robots in Manufacturing Environments MII (RIME-MII) Proposers’ Day**
NIH-CASIS Coordinated Program in Tissue Chip Systems Translational Research in Space (UH2/UH3) Webinar  
September 6, 2016  
Information – Registration to come

Upcoming Events
See also http://teesresearch.tamu.edu/events/ for a complete listing and links to handouts/presentations

TEES Research Development
We will post upcoming events as they are announced

Other Opportunities

DOE-Office of Electricity Smart Grid Communications R&D Roadmap Meeting  
August 30-31, 2016  
Washington, DC  
Information and Registration

Write Winning NIH Grant Proposals  
September 22, 2016  
8:30 a.m. - 4:30 p.m.  
Rudder Tower, Room 601  
Information and Registration

NIH Grant Proposal-Writing Program  
Sept. 2016 – May 2017  
Information

Writing Successful Proposals Workshop Part 1  
September 28, 2016  
1 p.m. - 4 p.m.  
Henderson Hall, Room 103  
Registration to come

Creating Assessments and Evaluation Plans (Fall 2016) – Online Course from the Center for the Integration of Research, Teaching and Learning (CIRTL)  
October 4 - November 15, 2016 (Every Tuesday)  
11:00 a.m. - 12:30 p.m.
Information and Registration – Registration is open August 1 through September 20. Open to Graduate Students, Postdocs, Faculty, and Staff.

Demystifying the NSF! Workshop
October 4, 2016
1:00 p.m. - 3:30 p.m.
Henderson Hall, Room 103
Registration to come

NSF Broader Impacts Workshop
October 17, 2016
2:00 p.m. - 3:30 p.m.
Henderson Hall, Room 103
Registration to come

Fall 2016 NIH Regional Seminar
October 26-28, 2016
Chicago, IL
Palmer House Hilton Hotel
Registration and Information

NSF Grants Conference
November 14-15, 2016
Pittsburgh, PA
Information – Registration should be available in August

Research News

DOE-EM Releases Draft Workscopes for Funding Opportunity for Robotics Projects

The United States (US) Department of Energy (DOE), Office of Nuclear Energy (NE) has released draft workscopes for the Fiscal Year 2017 Consolidated Innovative Nuclear Research under Funding Opportunity Announcement (FOA) No. DE-FOA-0001515. DOE expects to release the final FOA soon.

In partnership with DOE-NE, DOE Office of Environmental Management (EM) has three US university-led integrated research projects (IRP) that are focused on robotic technologies:

1) IRP-EM-1: Wearable Robotic Devices for Workers
2) IRP-EM-2: Advanced Robotic Tele-Manipulators for Gloveboxes and Hot Cells
3) IRP-EM-3: Multi-Use and Multi-User Robots

The IRPs were presented in a webinar. If you would like a pdf of the webinar presentation, please contact Sharon McCord at s-mccord@tamu.edu.
Welch Works to Optimize Data Storage

Most of us have seen the “Not Enough Storage” message on our smart phone or tablet. Cloud computing services provide a way to alleviate this overwhelming need for space by letting programs store their data on remote servers instead of locally. Cloud computing is just one example of distributed storage, a general concept that captures the idea of providing a shared data service for geographically dispersed computer systems.

Distributed storage, or shared data, is a vital mechanism for communication among processors in distributed systems. The use of shared memory allows for better structured and easier-to-verify distributed applications. This shared service facilitates the development of higher-level applications including collaborative editing systems, multiplayer games and scientific data repositories.

Although having shared data has quickly become a necessity, it is not provided off the shelf in large-scale distributed systems. Instead, processors must keep individual copies of the data. These processors communicate by sending messages to keep the replicas consistent.

Dr. Jennifer Welch, Regents Professor and Chevron Professor II in the Department of Computer Science and Engineering at Texas A&M University, studies consistency conditions for shared data in distributed systems, including those supporting cloud computing. She is currently exploring how relaxing the specifications of the shared data can improve the performance of distributed systems.

To view the complete story, please visit the website.