Funding Opportunities

**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.

**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.

**Take the TEES Research Development Survey – Survey closes March 31**

Please help us improve the Engineering Research Digest and TEES Research Development services. The survey should only take 5-10 minutes to complete.

Please click [here](#) to take the survey.

**DOD**

**DARPA World Modelers** (link) – Due May 11, 2017 – Multiple awards are anticipated. The level of funding for individual awards made under this solicitation has not been predetermined and will depend on the quality of the proposals received and the availability of funds.

**DARPA Strategic Technologies** (link) – Due March 21, 2018 – Multiple awards are anticipated. The amount of resources made available under this BAA will depend on the quality of the proposals received and the availability of funds.
Defense Forensic Science Center Broad Agency Announcement for Basic, Applied, and Advanced Research (link) – White Paper and Quad Chart encouraged; Open Continuously until October 15, 2021 – Funding of research and development (R&D) within Program areas of interest will be determined by funding constraints and priorities set during each budget cycle. Due to Government budget uncertainties, no specific dollars have been reserved for awards under this BAA.

NASA

Cooperative Agreement Notice (CAN) 2017 Dual Use Technology Development at NASA John C. Stennis Space Center (link) – Open until September 30, 2017; NOI required – NASA plans to fund projects in FY2017 at approximately $25,000 to $75,000 per project with a period of performance of 12 months.

NIH

Advancing the Science of Geriatric Palliative Care (R01) (link) – Standard Due Dates: February 5, June 5, October 5 – Application budgets are not limited but need to reflect the actual needs of the proposed project.

Advancing the Science of Geriatric Palliative Care (R21) (link) – Standard Due Dates: February 16, June 16, October 16 – The combined budget for direct costs for the two-year project period may not exceed $275,000. No more than $200,000 may be requested in any single year.

Cancer Tissue Engineering Collaborative: Enabling Biomimetic Tissue-Engineered Technologies for Cancer Research (R01) (link) – LOI Due 30 Days Before; Due June 5, October 5, February 5 – Budgets are limited to $400,000 Direct Costs per year. Application budgets should reflect the actual needs of the proposed project.

Collaborating Centers of Excellence in Regulatory Science and Innovation (U01) (link) – LOI Due April 6, 2017; Due May 22, 2017 – It is anticipated that up to six (6) awards will be made in fiscal year 2016, not to exceed $5,000,000 in total costs (direct plus indirect), per award.

Biomarkers: Bridging Pediatric and Adult Therapeutics (R21) (link) – LOI Due 30 Days Before; Due June 16, October 16, February 16 – The combined budget for direct costs for the two-year project period may not exceed $275,000. No more than $200,000 may be requested in any single year.

NSF

Petascale Computing Resource Allocations (PRAC) (link) – Full Due November 6, 2017 – 12 to 15 up to $15,000 for each award, pending availability of funds.

Alliances for Graduate Education and the Professoriate (link) – Full Due December 8, 2017 – Total Amount Available $8,000,000

Division of Physics: Investigator- Initiated Research Projects (PHY) (link) – Multiple Deadlines beginning October 26, 2017 – Total Amount Available $90,000,000

CBET PDs

Biological and Environmental Interactions of Nanoscale Materials (link) – Full Proposal Accepted Anytime – PD 17-1179

Fluid Dynamics (link) – Full Due October 1-20, 2017 – PD 17-1443
Environmental Engineering (link) – Full Due October 1-20, 2017 – PD 17-1440
Environmental Sustainability (link) – Full Due October 1-20, 2017 – PD 17-7643
Energy for Sustainability (link) – Full Due October 1-20, 2017 – PD 17-7644
Cellular and Biochemical Engineering (CBE) (link) – Full Due October 1-20, 2017 – PD 17-1491
Engineering of Biomedical Systems (EBMS) (link) – Full Due October 1-20, 2017 – PD 17-5345
Disability and Rehabilitation Engineering (DARE) (link) – Full Due October 1-20, 2017 – PD 17-5342
Thermal Transport Processes (link) – Full Due October 1-20, 2017 – PD 17-1406
Combustion and Fire Systems (link) – Full Due October 1-20, 2017 – PD 17-1407
Process Systems, Reaction Engineering and Molecular Thermodynamics (link) – Full Due
October 1-20, 2017 – PD 17-1403
Process Separations (link) – Full Due October 1-20, 2017 – PD 17-1417
Nano-Biosensing (link) – Full Due October 1-20, 2017 – PD 17-7909
Particulate and Multiphase Processes (link) – Full Due October 1-20, 2017 – PD 17-1415
Biophotonics (link) – Full Due October 1-20, 2017 – PD 17-7236

CMMI PDs
Dynamics, Control and Systems Diagnostics (DCSD) (link) – Full Due September 1-15, 2017 – PD 17-7569
Biomechanics and Mechanobiology (BMMB) (link) – Full Due September 1-15, 2017 – PD 17-7479
Materials Engineering and Processing (MEP) (link) – Full Due September 1-15, 2017 – PD 17-8092
Structural and Architectural Engineering and Materials (SAEM) (link) – Full Due September 1-15, 2017 – PD 17-1637
Engineering for Natural Hazards (ENH) (link) – Full Due September 1-15, 2017 – PD 17-014Y
Infrastructure Management and Extreme Events (IMEE) (link) – Full Due September 1-15, 2017 – PD 17-1638
Mechanics of Materials and Structures (MOMS) (link) – Full Due September 1-15, 2017 – PD 17-1630

Mathematical Sciences PD
Foundations (link) – Full Due October 3, 2017 – PD 10-1268

Notices of Intent/Requests for Information
DOE RFI: Grid Engineering for Accelerated Renewable Energy Deployment 2 (GEARED2) (link) – Responses Due March 31, 2017
Funding Opportunities Spreadsheet

Based on what has appeared in the Engineering Research Digest in the past year, TEES Research Development has created a funding opportunities spreadsheet to help faculty with proposal planning. The spreadsheet lists the funding agency, name of grant, open date (month the proposal was announced), due date, limited submission or YIP, and website, if available. To view the spreadsheet, please visit our website. If you have questions or feedback on ways to improve the spreadsheet, please email us at researchnews@tees.tamu.edu.

Proposers Days/Webinars

NSF Improving the Reproducibility of Computational Research Webinar
March 29, 2017
1:00 p.m. - 2:30 p.m.
Information and Registration

TEES Regional Divisions and Hanover Webinar Series (Open to Engineering Faculty; please see registration link below)

**Good vs. Fundable Proposals** – This webinar presentation will explore funder motivations to help investigators target research and programmatic proposals effectively and subsequently develop proposals that put purpose before dollars. Attendees, led by a Hanover Grants Consultant, will study best practices for developing and communicating viable project ideas, focusing on alignment, integration, and evidence. This training will advance investigators’ ability to identify appropriate funding sources and programs, improve investigators’ persuasive writing, instruct investigators on methods to represent the association of theory and activity, and leave investigators with a clear sense of the elements that separate a “good” idea from a “fundable” concept.
March 31, 2017
11:00 a.m. - 1:00 p.m.

**Developing a Concept Paper & Contacting a Program Officer** – In this training, investigators will learn how to construct a concise summary of the key elements of a funding request to solicit feedback and/or buy-in from prospective funders, partners, and potential stakeholders. Guided by statistical evidence suggesting a correlation between higher success rates and contact with a cognizant program officer, a Hanover Grants Consultant will then walk investigators through appropriate outreach methods and strategies. Training participants will hone proposal development skills and explore methods to increase proposal competitiveness across all types of funders.
April 28, 2017
11:00 a.m. - 1:00 p.m.

Registration for both webinars
DARPA Atomic Magnetometer for Biological Imaging In Earth’s Native Terrain (AMBIIENT) Proposers Day
April 3, 2017
9:00 a.m. - 5 p.m.
DARPA Conference Center, 675 N. Randolph St., Arlington, VA
Information and Registration – Registration deadline is March 29, 2017.

NSF Webinar: Understanding SBIR & STTR Phase I Application Process
April 4, 2017
1:00 p.m. - 3:00 p.m.
Information and Registration

NSF ADVANCE Institutional Transformation Preliminary Proposal Preparation – Technical Assistance Webinar
April 12, 2017 (Due date for IT-Preliminary Proposals)
8:00 a.m. - 5 p.m. ET
Information

NSF CAREER Program Webinar
May 22, 2017
12:00 p.m. - 2:00 p.m.
Information and Registration

DARPA Discover DSO Day
June 15, 2017
Arlington, VA
Information – Registration will be announced at a later date via FBO.

Upcoming Events/Workshops
http://teesresearch.tamu.edu/events/

TEES Research Development

NSF CAREER Mock Review Panel and Workshop
May 22, 2017
8:00 a.m. - 4:00 p.m.
Rudder Tower, Room 401
Information and Registration

Other Opportunities

NSF Broader Impacts Workshop
April 12, 2017
2:00 p.m. - 3:30 p.m.
Henderson Hall, Room 103
Information and Registration

**DARPA Workshop** – Please see Research News below for more information.
April 14, 2017
9:00 a.m. - 11:00 a.m.
Rudder Tower, Room 601
Registration

**ENG-LIFE 2017: Biomanufacturing and Synthetic Biology**
April 14, 2017
8:00 a.m. - 5:00 p.m.
MSC, Room 2300 C, D & E
Information and Registration

**Smart Grid Workshop – “Using Big Data in Smart Grids: The Next Steps”**
April 18, 2017
8:00 a.m. - 5:00 p.m.
MSC, Rooms 2400, 2401, 2500, 2501
Information and Registration

**Spring 2017 NIH Regional Seminar on Program Funding & Grants Administration**
May 3-5, 2017
New Orleans Marriott, 555 Canal Street, New Orleans, LA
Information and Registration

**Naval Surface Warfare Center, Crane Division (NSWC Crane) Advanced Planning Briefings for Industry (APBI)**
May 17, 2017
8:00 a.m. - 4:00 p.m.
WestGate Academy Conferencing & Training Center, 13598 East WestGate Drive, Odon, IN
Information and Registration

**TEES Annual Research Conference**
May 24-25, 2017
Prairie View A&M University
Information and Registration

**Science of Team Science (SciTS) 2017 Conference**
June 12-14, 2017
Hyatt Regency Clearwater Beach Resort, Clearwater, FL
Information and Registration

**DOE Bioeconomy 2017: Domestic Resources for a Vibrant Future**
July 11-12, 2017
Sheraton Pentagon City, Arlington, VA
DARPA Workshop Scheduled for April 14

You are invited to attend an internal DARPA Workshop on April 14, 2017, from 9:00 a.m. - 11:00 a.m. in Rudder Tower, Room 601. The workshop is open to all Texas A&M University System researchers interested in successful engagement with the Defense Advanced Research Projects Agency (DARPA). It is led by panelists who are former DARPA employees.

Registration is required to attend, and we highly recommend you to attend in person in order to receive the most benefit. However, a webinar link will be provided to registered participants who are unable to appear in person. Click here to register.

Agenda:
Brief Presentation: Dr. Jon Mogford
Panel introductions and question/answer period:
- Dr. Jon Mogford, Vice Chancellor for Research, Texas A&M University System
- Dr. Kerrie Demarco, Director, Center for Global Health and Innovation, Texas A&M University System
- Dr. Daniel Ragsdale, Director, Texas A&M Cybersecurity Center

Please familiarize yourself with DARPA via their website http://www.darpa.mil/ and come prepared to engage.

In addition, please save the date for an upcoming NSA Workshop on June 1, 2017; details to follow.

Grunlan Receives $1.9 Million NIH Grant for Polymer Scaffold

Dr. Melissa Grunlan, associate professor in the Department of Biomedical Engineering at Texas A&M University, was awarded a $1.9 million grant from the National Institutes of Health (NIH) to continue the development and testing of a newly developed material that shows promise in the field of regenerative medicine. The material is designed to precisely fill and promote healing of cranial bone defects and gaps in the skull that occur due to an injury, a birth defect or surgery.

The project, which started about five years ago, addresses the limitation of materials used to treat bone gap defects. Most commonly, this is currently done with a bone graft surgically harvested from the patient, such as from their hip. The limitation associated with this method is that the
rigid bone graft cannot be readily manipulated to fit within the irregularly shaped bone defect. Due to the lack of fit and good contact with neighboring bone tissue, defect healing is compromised.

To view the complete story, please visit the website.