Funding Opportunities

http://tees.tamu.edu/researchsupport/funding/

**TEES Research Development – Proposal Development Assistance**

**Assistance for Junior Faculty**
If you are junior faculty and would like help in submitting a proposal, please contact Dr. Laurie Garton at lsgarton@tamu.edu at least 4 weeks before your proposal is due. For the most assistance, please contact her 2-3 months in advance.

Also, see Junior Faculty Opportunities below.

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**Limited Submission** NIH Team-Based Design in Biomedical Engineering Education – Email of Intent Due February 9, 2018; Internal Proposal Due February 16, 2018

**Limited Submission** NIH-NIGMS Maximizing Access to Research Careers Undergraduate - Student Training in Academic Research (MARC U-STAR) (link) – Email of Intent Due February 22, 2018; Internal Proposal Due March 1, 2018

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**Texas General Land Office – University System CDBG-DR Research & Planning Program**

Texas University Systems Request for Proposals – (See attached for instructions on Statement of Intent – Send Statements of Intent to Dr. Laurie Garton (lsgarton@tamu.edu) by February 16, 2018. After evaluating these Statements of Intent in light of the final RFP, a letter of institutional commitment called for by GLO will be
developed in support of selected proposals. RFP will be released March 2, 2018; Proposals Due April 13, 2018 – (a) Anticipated level of funding: $750 million. (b) We will provide a list of operational difficulties/needs realized through A&M participation in Rebuild Texas program. (c) Please refer to Rebuild Texas program at https://www.rebuildtexas.today/. (d) Outreach to affected or potentially impacted in the future communities would be beneficial, (e) Collaboration across the A&M System and Texas will be a plus. NOTE: If you have any questions, please contact Dr. Laurie Garton (lsgarton@tamu.edu).

2018 Clinical Science & Translational Research (CST*R) Institute

CTS*R Pilot Grant Program (link) – Pre-proposal Submission Deadline: February 15, 2018 – Each Pilot Grant must have three TAMU co-PI’s and will provide $100,000 ($25,000 from CST*R plus $25,000 matching from each of the three TAMU co-PI’s academic units) for a period of one year for supplies and salaries for trainees and technical staff.

American Chemical Society (ACS)

ACS Petroleum Research Fund (ACS PRF) Grants (link) – Due February 19-March 16, 2018 – New Directions: $110,000 over 2 years; Doctoral New Investigator: $110,000 over 2 years

Charles Pankow Foundation

2018 Charles Pankow Foundation Research Initiatives – CPF Initiatives (link); Information for Grant Seekers (link)

DOC

NIST Measurement Science and Engineering (MSE) Research Grant Programs (link) – Due: On-going – $5,000 - $1,500,000 budget range depending on specific grant program, 240 awards last year.

DOD

2018 ERDC Broad Agency Announcement (link) – Pre-Proposals Due January 31, 2019

Fiscal Year 2018 – Fiscal Year 2022 (FY18-FY22) U.S. Army Medical Research and Materiel Command’s (USAMRMC) Broad Agency Announcement (BAA) for Extramural Medical Research (link) – Continuously Open through September 30, 2022 – The funding amount for this BAA is unspecified, and the number of awards is indeterminate and contingent upon funding availability. Selection of research projects is a highly competitive process and is based on the evaluation of the proposal/application’s technical merit, programmatic considerations, and the availability of funds.

AFRL Secretary of the Air Force (SECAF) 2030 Science and Technology (S&T) Study (link) – Due February 20, 2018 – $2.5 million is anticipated to be available for awards under this announcement. Individual award amounts are anticipated to be $100,000 - $250,000. Note: We are INELIGIBLE to put forward proposals for the Technical Forecasting Studies portion of this recently released BAA. We are eligible to propose on the Organizational and Process Studies portion of the BAA. This eligible portion of the BAA is focused business/organizational structure studies.

FY18 Funding Opportunity Announcement (FOA) for the Office of Naval Research (ONR) Navy and Marine Corps Science, Technology, Engineering & Mathematics (STEM),
**Education and Workforce Program** ([link](#)) – White Papers Due April 1-July 31, 2018; Applications Due September 28, 2018 – Each individual award will be up to a maximum of $250,000 per year, with one-year (1) option periods, for up to three (3) years.

**AFSOR Research Interests of the Air Force Office of Scientific Research** ([link](#)) – Posted until Superseded – Amount: Upper: $400,000; Lower: $20,000

**DOE**

**Innovative Technology Development to Enhance Fossil Power System Operability, Reliability, and Economic Performance** ([link](#)) (Search for DE-FOA-0001854) – Full Due April 5, 2018 – Area of Interest 1: Estimated Federal Funding: $500,000, 2 awards, DOE Share: $250,000, Cost Share: $625,000, Total: $312,500; Area of Interest 2: Estimated Federal Funding: $2,250,000, 3 awards, DOE Share: $750,000, Cost Share: $187,500, Total: $937,500

**Build4Scale Training and AIM Onshore Prize** ([link](#)) – Click on AIM Onshore Prize for information, prize rules and application information. Register by April 3, 2018; Initial Application Due April 10, 2018

**HPC4Mfg Solicitation Round 5 (Winter 2018)** ([link](#)) – Concept Paper Due March 15, 2018; Request for Full: late April; Full Due Mid June – For both Demonstration and Follow-on projects, the DOE monetary contribution for each project will not exceed $300,000. For Demonstration projects, an industry partner must provide a participant contribution of at least 20% of the DOE funding for the project to support industry expertise to the project.

**NIH**

**Training Modules to Enhance the Rigor and Reproducibility of Biomedical Research (R25 Clinical Trial Not Allowed)** ([link](#)) – Due June 29, 2018 - The following NIH components intend to commit the following amounts in FY 2019: NIGMS: $1,500,000, 4-6 awards; NCCIH: $150,000, 1 award; NIDA, $300,000, 1-2 awards; NIDCR: $100,000, 1 award; NINDS: $150,000, 1 award

**Promoting Research in Basic Neuroscience (R01 Clinical Trial Not Allowed)** ([link](#)) – Standard Due Dates: February 5, June 5, October 5 – NINDS intends to fund up to 12 awards, corresponding to a total of $5.0 million for fiscal year 2019. Future year amounts will depend on annual appropriations. Award Budget: Application budgets are not limited but need to reflect the actual needs of the proposed project.

**Bioengineering Research Grants (BRG) (R01 Clinical Trial Optional)** ([link](#)) – Standard Due Dates: February 5, June 5, October 5 – The number of awards is contingent upon NIH appropriations and the submission of a sufficient number of meritorious applications. Application budgets are not limited but need to reflect the actual needs of the proposed project.

**NSF**

With the release of the **revised PAPPG (18-1)** ([link](#)), effective January 29, 2018, there is also a **revised Collaborators and Other Affiliations (COA) spreadsheet**. Click on this [link](#) to find more information about the COA and to download the spreadsheet.
Dear Colleague Letter: Stimulating Educational Neuroscientific Research through the Integrative Strategies for Understanding Neural and Cognitive Systems (NCS) program (link)

CMMI Manufacturing Machines and Equipment (MME) (link) – Full Proposal Window: September 1, 2018-September 17, 2018 – PD 17-1468

CMMI Dynamics, Control and Systems Diagnostics (DCSD) (link) – Full Proposal Window: September 1, 2018-September 17, 2018 – PD 17-7569

Inclusion across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science (NSF INCLUDES) NSF INCLUDES Alliances (link) – Full Due April 4, 2018 – In FY 2018, up to three (3) NSF INCLUDES Alliance awards will be made pending the availability of funds. Anticipated Funding Amount: $8,500,000

Re-entry to Active Research Program (RARE) (link) – Full Proposals Accepted Anytime – A RARE proposal will typically be up to $100,000 per year, for a period of one to three years. It is anticipated that there will be up to $1,200,000.00 total funds available for this program, pending availability of appropriations.

Critical Resilient Interdependent Infrastructure Systems and Processes (CRISP 2.0) (link) – Full Due March 7, 2018 – Anticipated funding amount is pending the FY 2018 appropriation and may rise or fall. Type 1 Awards: Smaller-scale Projects that are 2-3 years in duration with a maximum total budget of $750,000. Type 2 Awards: Larger-scale projects that are 3-4 years in duration with a total budget ranging from $750,001 to 2 million.

Computational and Data-Enabled Science and Engineering (CDS&E) (link) – Full Proposal Window: September 1, 2017-August 31, 2018 (Check Directorate/Division information for exact dates) – PD 12-8084

AGS Solar Terrestrial Program (link) – Full Proposal Accepted Anytime – PD 98-1523

AGS Magnetospheric Physics (link) – Full Proposal Accepted Anytime – PD 98-5750

AGS Geospace Facilities (link) – Full Proposal Accepted Anytime – PD 04-4202

The National Academies of Sciences, Engineering, and Medicine

Gulf Research Program Cycle 2 (link) – Due February 28, 2018 – Maximum amount for each award: $50,000 (grant funds cannot be used on institutional overhead or indirect charges)

Student/Postdoctoral Opportunities


American Society of Naval Engineers (ASNE) Scholarship Program (link) – Applications Due March 2, 2018 – Undergraduate Scholarships: $3,000 per year; Graduate Scholarships: $4,000 per year

University of California, Riverside Mentoring Summer Research Internship Program (MSRIP) (link) – Applications Due February 19, 2018 – Stipend (generally $3,000), Room and board (as appropriate), Out-of-state transportation: up to $500

ORAU IACMI 2018 Internship Program (link) – Applications Due February 12, 2018 – Program participants will receive a weekly stipend based on hours of participation. See website for additional information about a potential weekly housing allowance and limited travel reimbursement to and from the internship site.
ORAU Intelligence Community (IC) Postdoctoral Research Fellowship Program (link) – 
Applications Due March 12, 2018 - Annual stipends range from $75,000 to $79,000, 
depending on research location; Annual travel budget of up to $6,000; Appointments for two 
years, and option to extend for a third year; Host institutions receive an annual laboratory 
budget of up to $5,000; Research advisors receive a $10,000 stipend and an annual travel 
budget of up to $2,000.

Idaho National Laboratory Graduate Fellowship Program (link) – Deadline Extended: 
Application Due February 15, 2018 – INL Graduate Fellows will receive an annual salary of 
$60,000.

This section contains resources, funding opportunities and seminars, events, and 
workshops of special interest to junior faculty. See Seminars/Events/Workshops 
below for more offerings.

Junior Faculty Opportunities

Young Investigator Programs
http://tees.tamu.edu/researchsupport/young-investigator-programs/

Young Investigator Programs are for junior faculty who are untenured, Assistant Professors. 
Resources are available including CAREER/YIP workshops and seminars, proposal assistance, 
writing resources, and junior faculty targeted funding opportunities.

Junior Faculty Targeted Funding Opportunities – This spreadsheet contains numerous funding 
opportunities for junior faculty in Engineering. 
Young Investigator Awards – This spreadsheet lists early career and young investigator awards 
(general list).

Funding Opportunities

Future Opportunities will be posted here.

Seminars/Events/Workshops

Junior Faculty Proposal Writing Academy – 2018 NSF CAREER and Other Young 
Investigator Programs
February 22, 2018
8:00 a.m. - 2:00 p.m.
301 Rudder Tower
Information and Registration

Junior Faculty Proposal Writing Academy – NSF CAREER Writing Groups 
Inaugural Meeting
March 7, 2018
2:00 p.m. - 3:00 p.m.
Location TBA

Junior Faculty Proposal Writer's Academy – Filling Your Toolbox: NIH Proposal Writing Resources
March 21, 2018
1:00 p.m. - 4:00 p.m.
3147 ILSB

Junior Faculty Proposal Writer's Academy – Research Data Management Workshop
April 4, 2018
1:00 p.m. - 3:00 p.m.
Sterling C. Evans Library Annex

Save the Date
Junior Faculty Proposal Writer's Academy – NSF CAREER Mock Review Session and Workshop
May 15, 2018
401 Rudder Tower

Junior Faculty Proposal Writing Academy

The TEES Research Development group and the Division of Research’s Research Development Services office have partnered to create the Junior Faculty Proposal Writing Academy. For more information, please visit http://jfa.tamu.edu/.

Additional Resources

Facilities – A list of facilities for each department in the College of Engineering is available on the TEES Research Development website. Faculty can use this list in creating facilities statements for multi-PI proposals.

NSF Broader Impacts Expo List of Resources – A list of the organizations and resource representatives who participated in the NSF Broader Impacts Seminar and Expo.

Funding Opportunities Spreadsheet – A spreadsheet of funding opportunities from the past year’s newsletter.

Education/Broader Impacts – A list of resources available through EASA, College of Engineering, Texas A&M, and national resources.

Proposers Days/Webinars
(All times Central unless otherwise noted)

HPC4Mfg Solicitation Round 5 (Winter 2018) Information Webinars
February 12, 2018 – 1:00 p.m. - 3:00 p.m. CST – Registration
February 20, 2018 – 2:00 p.m. - 4:00 p.m. CST – Registration

**DARPA Operational Fires (OpFires) Proposers Day**
February 14, 2018
10:00 a.m. - 5:00 p.m. ET
CENTRA Technology Conference Center, 4121 Wilson Blvd., Suite 200, Arlington, VA
Information and Registration – Registration closes February 7, 2018.

**The National Academies of Sciences, Engineering, and Medicine – The Gulf Research Program**
**Networking and Idea Development Workshop: Thriving Communities Grants 5 – Topic: Enhancing Coastal Community Resilience and Well-being in the Gulf of Mexico Region – Informational Webinar**
February 14, 2018
12:00 p.m. - 1:00 p.m. EST
Information and Registration

**IARPA Molecular Information Storage (MIST) Program Proposers’ Day**
February 21, 2018
8:00 a.m. - 5 p.m. EST
Washington, DC
Information and Registration

**IARPA Molecular Analyzer for Efficient Gas-phase Low-power INterrogation (MAEGLIN) Phase 2 Proposers’ Day**
March 22, 2018
8:00 a.m. - 4 p.m. EST
Washington, DC
Information and Registration – Registration Deadline is March 14, 2018

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**Seminars/Events/Workshops for All Faculty**
http://tees.tamu.edu/researchsupport/events/

**TAMU DOR Informational Meeting: An Introduction to the Texas A&M-FAPESP Research Program**
February 8, 2018
1:30 p.m. - 2:30 p.m.
3147 ILSB
Information and Registration

**NSF S-STEM 2018 Webinars**
February 15, 2018 – 11:00 a.m. - 1:00 p.m.
Information and Registration
TAMU DOR Writing Successful Proposals (All Faculty)
March 1, 2018
1:00 p.m. - 4:00 p.m.
Location TBA
Information and Registration

DOE ARPA-E Energy Innovation Summit
March 13-15, 2018
Washington, DC
Information and Registration

TAMU DOR Demystifying the NSF: NSF Funding Opportunities, Proposal Preparation, and Review Process
March 28, 2018
1:00 p.m. - 4:00 p.m.
Location TBA
Information and Registration

TAMU DOR NSF Broader Impacts – All Faculty
April 11, 2018
1:00 p.m. - 2:30 p.m.
Location TBA
Information and Registration

The National Academies of Sciences, Engineering, and Medicine – The Gulf Research Program
Networking and Idea Development Workshop: Thriving Communities Grants 5 – Topic: Enhancing Coastal Community Resilience and Well-being in the Gulf of Mexico Region
January 25, 2018: Online application to participate in workshop opens
March 8, 2018, 5:00 p.m. ET: Application to participate in workshop due
May 30-June 1, 2018: Networking and Idea Development Workshop
Information and Registration

NIST Atom Probe Tomography and Microscopy 2018 Symposium
June 10-15, 2018
NIST, 100 Bureau Drive, Gaithersburg, MD
Information and Registration

Research News

Real World Data Questions Long Held Travel Behavior Theories

Time is money and traffic earns nothing but road rage, lost productivity and an increased gas bill. Dr. Mark Burris, the Herbert D. Kelleher Professor at Texas A&M University, seeks to save travelers time, money and frustration with his travel behavior research.
The more accurately researchers can predict future travel, the better they can plan and build the necessary infrastructure quickly and affordably. In doing so, Burris and his team at Texas A&M strive to reduce travelers’ time and frustration in traffic while also saving tax dollars.

“My focus is to improve our understanding of how cost impacts someone’s travel,” said Burris. “How it impacts the route they take, the mode they use, the time of day they choose and more.”

To view the complete story, please visit the [website](#).

**Research to Improve Efficiency in Oil Wells Leads Professor, Student to Best Paper Award**

Texas A&M University researchers are studying seal leaks in subsea and aging oil well production facilities with the potential to greatly increase the efficiency of multiple-phase pumping and compressors turbomachinery.

Dr. Luis San Andrés, Mast-Childs Chair Professor in the Turbomachinery Laboratory, along with graduate assistant researcher Xueliang Lu, a Ph.D. candidate in mechanical engineering, conducted a series of measurements on the leakage and dynamic forced performance of wet seals, such as pump liquid seals, mixed with increasing contents of gas. The test results show the gas, or liquid, content affects the system pumping efficiency and reliability, with a dramatic impact on efficiency recorded with only a few droplets of liquid. The experimental results validate mixture model predictions produced by San Andrés in the early 2010s.

To view the complete story, please visit the [website](#).

Prepared by TEES Research Development under the auspices of the Associate Agency Director for Strategic Initiatives and Centers. For questions, email researchnews@tees.tamu.edu.