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.

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 The David & Lucille Packard Foundation Packard Fellowship Awards – Email of Intent Due February 5, 2018; Internal Proposal Due February 12, 2018

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

Texas General Land Office – University System CDBG-DR Research & Planning Program
Texas University Systems Request for 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). The idea would be to collate all the questions and get answers from the System.

**TAMU Office of the Provost, Public Partnership & Outreach**

**Call for Proposals – Taiwan Endowment Funding Program, 2017-2018** – Proposals Due to the PPO office by February 2, 2018. Proposals should be sent to Amanda Johnson, Public Partnerships and Outreach, azj@tamu.edu. – The award amount will depend on the number of quality applications, but funding up to $5000 is typically granted.

**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.

**DOD**

**Guide to FY2018 Research Funding at the Department of Defense (DOD)** – This document provides insights into the various DOD funding agency opportunities for University basic research (6.1) and for some applied research (6.2) efforts, with special attention to changes anticipated in FY2018.

**DARPA Subterranean (SubT) Challenge Synopsis 1** ([link](#)) – Abstracts Due February 5, 2018; Proposals Due March 23, 2018 - Approximately $40,000,000 total. It is anticipated that funding will be allocated as shown below: Track A Up to $30,000,000, Track C Up to $6,000,000, and Prizes Approximately $4,000,000.

**DTRA Fundamental Research to Counter Weapons of Mass Destruction Amendment 6** ([link](#)) – Due September 30, 2019 – Grants resulting from submissions to Thrust Areas 1-7, including topics associated with these thrust areas, may range from small dollar value (e.g., $25K) up to $1M annually (total, including both direct and indirect costs) depending on the nature and the scope of work.

**Department of Defense (DoD) Defense Enterprise Science Initiative (DESI)** ([link](#)) – Due February 28, 2018 – We anticipate approximately $6 million in total funding will be made available for this program to fund approximately four (4) awards of $1.5 million each. Each award will be funded at approximately $750,000 per year for two (2) years in the form of a grant, cooperative agreement or contract. The university partner must receive at least 50% of total funding requested. DESI funds must be used to conduct basic research efforts at both the university and industry.

**DOE**

**DOE-NREL American-Made Challenge** ([link](#)) – $3,000,000 prize competition
Stewardship Science Academic Alliances (SSAA) (link) (Search FedConnect for the FOA) – Due March 26, 2018 – An estimated $6,000,000 annually is anticipated to be available for new or renewal awards under this announcement.

ARPA-E OPEN 2018 (link) – Concept Paper Due February 12, 2018 – ARPA-E may issue one, multiple, or no awards under this FOA. Awards may vary between $500,000 and $10 million.

Engineering and Physical Sciences Research Council (EPSRC)
International Centre-to-Centre Research Collaborations (link) – This call will operate through a two-stage assessment process, with the deadline for outline proposals on May 1, 2018. – Up to £15 million is available for this call, and we aim to support 10-15 research consortia.

NIH
Limited Submission NIH Team-Based Design in Biomedical Engineering Education (R25) (link) – LOI Due April 30, 2018; Application Due May 31, 2018 – The number of awards is contingent upon NIH appropriations and the submission of a sufficient number of meritorious applications. Award Budget: Direct costs of up to $20,000 per year may be requested. Programs that include a clinical immersion program outside the academic year and lasting 6 to 10 weeks may request an additional $20,000 to cover participant costs (see Participant Costs section below), yielding a total of $40,000 in direct costs.

Limited Submission NIH-NIGMS Maximizing Access to Research Careers Undergraduate – Student Training in Academic Research (MARC U-STAR) (link) – Application Due May 24, 2018 – The number of awards is contingent upon NIH appropriations and the submission of a sufficient number of meritorious applications. Award Budget: Application budgets are not limited, but need to reflect the actual needs of the proposed project.

Assistive Technology for Persons with Alzheimer’s Disease and Related Dementias and Their Caregivers (R41/R42 Clinical Trial Optional) (link) – LOI Due 30 Days Prior; Application Due April 10, 2018 – NIA intends to fund an estimate of 5-6 awards, corresponding to a total of $3 million for fiscal year 2018. Future year amounts will depend on annual appropriations. Award Budget: Budgets up to $500,000 total costs per year for Phase I and up to $1,000,000 total costs per year for Phase II may be requested.

Assistive Technology for Persons with Alzheimer’s Disease and Related Dementias and Their Caregivers (R43/R44 Clinical Trial Optional) (link) – LOI Due 30 Days Prior; Application Due April 10, 2018 – NIA intends to fund an estimate of 5-6 awards, corresponding to a total of $3 million for fiscal year 2018. Future year amounts will depend on annual appropriations. Award Budget: Budgets up to $500,000 total costs per year for Phase I and up to $1,000,000 total costs per year for Phase II may be requested.

Academic-Industrial Partnerships for Translation of Technologies for Diagnosis and Treatment (R01 - Clinical Trial Optional) (link) – Due March 8, 2018 - The number of awards is contingent upon NIH appropriations and the submission of a sufficient number of meritorious applications. Award Budget: Application budgets are not limited but need to reflect the actual needs of the proposed project.

Academic-Industrial Partnerships to Translate and Validate in vivo Cancer Imaging Systems (R01 Clinical Trial Optional) (link) – New Dates as per NOT-CA-17-034: The first due date for all types of applications allowed for this FOA is March 1, 2018. Thereafter, Standard dates apply, by 5:00 PM local time of applicant organization. – The number of awards is contingent upon NIH appropriations and the submission of a sufficient number of meritorious
applications. Award Budget: Application budgets are not limited but need to reflect the actual needs of the proposed project.

**NSF**

*Expeditions in Computing* (link) – Prelim Due April 25, 2018; Full Due January 16, 2019 – Up to $30,000,000 total for each competition, subject to the availability of funds. Expeditions projects with annual budgets up to $2,000,000 for durations of five years will be supported.

*Critical Resilient Interdependent Infrastructure Systems and Processes (CRISP 2.0)* (link) – Full Due March 7, 2018 – 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.

*NSF/CASIS Collaboration on Fluid Dynamics and Particulate and Multiphase Processes Research on the International Space Station to Benefit Life on Earth* (link) – Due February 1-March 5, 2018 – NSF Funding (total) available under this solicitation is $2 million distributed in FY 2018. Requests may be for up to $400,000 total and up to four years in duration. The award size and duration should be consistent with the project scope.

*NSF/CASIS Collaboration on Tissue Engineering on the International Space Station to Benefit Life on Earth* (link) – Due January 30 - February 12, 2018 – NSF Funding (total) available under this solicitation is $1.8 million distributed in FY 2018. Requests may be for up to $300,000 total and up to three years in duration.

**Notices of Intent/Requests for Information**

EERE *Notice of Intent to Issue Funding Opportunity Announcement No. DE-FOA-0001750 Flexible Combined Heat and Power for Grid Reliability and Resiliency* (link)

**Student/Postdoctoral Opportunities**

Idaho National Laboratory *Internship Applications* (link) – List of internship opportunities for students. Students are encouraged to apply to each category that aligns with their coursework and interests.

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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
Information and Registration

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
Information and Registration

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
Information and Registration

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)*

**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. 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

Seminars/Events/Workshops for All Faculty

[http://tees.tamu.edu/researchsupport/events/](http://tees.tamu.edu/researchsupport/events/)
NSF S-STEM 2018 Webinars
February 6, 2018 – 2:00 p.m. - 4:00 p.m.
February 15, 2018 – 11:00 a.m. - 1:00 p.m.
Information and Registration

TAMU DOR Insider Advice on NIH Peer Review Workshop
February 6, 2018
2:00 p.m. - 3:30 p.m.
601 Rudder
Information and Registration

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

TAMU DOR Writing Successful Proposals (All Faculty)
March 1, 2018
1:00 p.m. - 4:00 p.m.
Location TBA
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
Polymer Movement: Key to Next-generation Coatings

Researchers in the Department of Materials Science and Engineering at Texas A&M University, led by doctoral student Victor Selin and Dr. Svetlana Sukhishvili, are making headway in understanding fundamental principles that will help to create the next generation of biomedical coatings.

Medical devices, such as orthopedic implants, often need their surfaces modified with protective coatings. These devices have random shapes, which requires the use of a simple method to controllably coat the surface. These coatings can provide the surface of the objects with antireflection properties or make them able to release therapeutic compounds that kill bacteria and/or control the growth of mammalian cells.

To view the complete story, please visit the website.

Tamamis Receives NIH Grant to Study Potential Therapeutics for Alzheimer’s Disease, Parkinson’s Disease and Type 2 Diabetes

Dr. Phanourios Tamamis, assistant professor in the Artie McFerrin Department of Chemical Engineering at Texas A&M University, has been awarded a grant from the National Institute on Aging of the National Institutes of Health (NIH) for his research on potential therapeutics for Alzheimer’s disease, Parkinson’s disease and type 2 diabetes.

Amyloid-β, α-synuclein and islet amyloid polypeptide (IAPP) self-assemble into amyloids—abnormal intracellular or extracellular deposition of proteins as fibrils—associated with Alzheimer’s, Parkinson’s, and type 2 diabetes, respectively. As increasing evidence supports an amyloid formation molecular link between the three molecules in the diseases, therapeutic approaches that focus on blocking single amyloidogenic proteins may not be sufficient. Rather than fighting any one particular protein, an approach that fights the formation of amyloids formed by the three proteins independently or together (in the case that combinations of two or three of these amyloid proteins cross-seed) will be more beneficial, and for example, it can be considered a most promising and efficient direction for the future effective treatment of Alzheimer’s disease in place of molecules binding to Aβ only.

To view the complete story, please visit the website.