Funding Opportunities

(Link to pdf versions of the Newsletter – https://tees.tamu.edu/researchsupport/newsletter/)

Limited Submission Keck Foundation Keck Research Program – Email of Intent Due December 9, 2019; Internal Proposal Due December 16, 2019

Limited Submission Agilent Early Career Professor Award – Email of Intent Due January 3, 2020; Internal Proposal Due January 7, 2020

Cancer Prevention & Research Institute of Texas

New Evidence-Based Cancer Prevention Services (link) – Applications Received November 11, 2019 - February 12, 2020 – Applicants may request any amount of funding up to a maximum of $1 million in total funding over a maximum of 36 months.

New Expansion of Cancer Prevention Services to Rural and Medically Underserved Populations (link) – Applications Received November 11, 2019 - February 12, 2020 – Applicants may request any amount of funding up to a maximum of $2 million in total funding over a maximum of 36 months.

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

For assistance, please contact TEES Research Development at proposalsupport@tamu.edu as early as possible in the proposal development process. We can help with:

Assistance for Junior Faculty – Also, see Junior Faculty Opportunities below.

Multidisciplinary and/or Multi-university Proposals

Figures for a Proposal Being Submitted to Federal Agencies – Preference will be given to large proposals and NSF CAREER proposals.
**New Tobacco Control and Lung Cancer Screening** ([link](#)) – Applications Received November 11, 2019 - February 12, 2020 – Applicants may request any amount of funding up to a maximum of $1 million in total funding for new projects or up to a maximum of $2 million in total funding for expansion projects over a maximum of 36 months.

**DOC**

**EDA – Accelerate R2 Network Challenge** ([link](#)) – Applicants are strongly encouraged (but not required) to submit a Letter of Intent Due Wednesday January 8, 2019. Full Application Due Wednesday March 11, 2019. Full Application submissions will only be accepted electronically through www.grants.gov (Grants.gov). EDA expects to make either: a single award up to $1 million for a nationwide R2 Network; or two awards, one for a nationwide Response Network and one for a nationwide Resiliency Network, each of which may be up to $700,000.

**National Sea Grant College Program 2020 Special Projects** ([link](#)) – September 30, 2020 Funding availability may change during the time this competition is open. When updated information about funding becomes available, individual competition announcements will be sent by electronic mail to eligible applicants, and posted under “2020 Special Projects Competition” on the Sea Grant website at [http://seagrant.noaa.gov/Funding](http://seagrant.noaa.gov/Funding).

**DOD**

**New DARPA Broad Agency Announcement – Network Universal Persistence (Network UP) Phase 2** ([link](#)) – Abstract Due December 4, 2019; Full Due January 7, 2020 – 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.

**New DARPA Lasers for Universal Microscale Optical Systems (LUMOS)** ([link](#)) – Abstract Due December 11, 2019; Full Due February 7, 2020 – Anticipated Funding Available for Award: Approximately $70M of total funding is anticipated for awards made against this BAA, with a distribution of: $40M in Technical Area 1 (TA1), $15M in Technical Area 2 (TA2), $15M in Technical Area 3 (TA3)

**New DARPA AIE Opportunity Hyper-Dimensional Data Enabled Neural Networks (HyDDENN)** ([link](#)) – Due December 11, 2019 – The Phase 1 (base) award value should not exceed $300,000. The Phase 2 (option) award value should not exceed $700,000. The total award value for the combined Phase 1 and Phase 2 is limited to $1,000,000. This total award value includes Government funding and performer cost share, if required or if proposed.

**New DARPA Microsystems Exploration Topic (μE) Tunable Ferroelectric Nitrides (TUFEN)** ([link](#)) – Due December 12, 2019 – The Phase 1 (base) award value should not exceed $350,000. The Phase 2 (option) award value should not exceed $650,000. The total award value for the combined Phase 1 and Phase 2 is limited to $1,000,000. Phase 1 studies will be evaluated to determine the feasibility of the approach and whether to select the option for Phase 2.

**New Broad Agency Announcement (BAA): C4ISR, Information Operations, Cyberspace Operations and Information Technology System Research** ([link](#)) – White Papers and Proposals are Due by closing date on May 13, 2020 (see Section IV for application and submission information) – Multiple awards are anticipated.

**DOD Long-Term Opportunities**
Research for Integrated Vehicle Aerodynamic Technologies (RIVAT) (link) – The BAA is open and effective until May 9, 2023. White Papers will be considered if received prior to 1400 EST on May 9, 2023. The total program value is $4,900,000 with multiple awards ranging from $50,000 to $250,000 (the Government reserves the right to exceed this amount if necessary).

Army Applications Lab BAA for Disruptive Applications Synopsis 2 (link) – This BAA is a continuously open announcement valid throughout the period from the date of issuance through May 1, 2024, unless announced otherwise. The DoD agencies involved in this program reserve the right to select for award all, some, or none of the proposals submitted in response to this announcement. Due to Government budget uncertainties, no specific dollars have been reserved for awards under this BAA.

AFRL/RXC Structural Materials Open BAA (link) – White Papers may be submitted any time until September 20, 2023; Proposal Due Date to be provided in the Requests for Proposals sent to offerors – The total estimated program value is $99,500,000, with multiple awards ranging from $100,000 to $5,000,000.

DoD USAMRMC FY18-FY22 Broad Agency Announcement for Extramural Medical Research Synopsis 2 (link) – Continuously Open until September 30, 2022 – There are no specified funding limitations identified for a proposal/application submitted under this BAA. A budget should be commensurate with the nature and complexity of the proposed research.

DOE

New Energy Frontier Research Centers (link) – Pre-Application Due January 16, 2020; Full Due April 7, 2020 – Ceiling: $4,000,000 per award per year ($16,000,000 per award for a 4-year period); Floor: $2,000,000 per award per year ($8,000,000 per award for a 4-year period)

New ARPA-E Flexible Carbon Capture and Storage (FLECCS) (link) – Concept Papers Due December 23, 2019; Full TBD – ARPA-E may issue one, multiple, or no awards under this FOA. Awards may vary between $250,000 and $10 million. ARPA-E Flexible Carbon Capture and Storage SBIR/STTR (FLECCS) (link)

Keck Foundation

New Limited Submission Keck Research Program (link) – Phase I Application Due May 1, 2020 – Historically, grants range from $500,000 to $5 million and are typically $2 million or less.

NASA

FY21 Student Research Initiative Concept Call (link) – Due December 5, 2019 – Proposals can be for up to 3 years (renewable each year), with a cap of $60k/year, to be shared between JPL and the university partner. Proposals must have a JPL PI, a university faculty collaborator, and one or more students. Proposals can be for focused research tasks for individual graduate students (most prevalent), undergraduate and/or graduate student group research projects, or they can support JPL collaboration in university classes (these are typically single year proposals). A Note on class projects: While there are no restrictions on funding levels, provided they stay within the cap, in the past undergraduate class projects have been funded at the $25k - $35k level, and such projects are still encouraged.
**NASA Centennial Challenges Program: Space Robotics Challenge Phase 2** ([link](#)) – The deadline to submit registration forms is Friday December 20, 2019 by 5pm Central US time. The challenge will consist of a Qualification Round and a Competition Round. Both rounds will require fully autonomous operations, such that competitors will not be able to interact with their virtual robotic teams during a challenge run. Each round will be scored and prizes will be awarded from a prize purse of up to $1,000,000 USD per the criteria in the Official Challenge Rules.

**NIH**

**New** *Program to Assess the Rigor and Reproducibility of Extracellular Vesicle-Derived Analytes for Cancer Detection (R01 Clinical Trial Not Allowed)* ([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. Award Budget: Application budgets are not limited but need to reflect the actual needs of the proposed project.

**NIH Standard Due Dates**

**Stimulating Innovations in Behavioral Intervention Research for Cancer Prevention and Control (R21 Clinical Trial Optional)** ([link](#)) – LOI Due 30 Days Prior to Application; Standard Due Dates: February 16, June 16, October 16 – The number of awards is contingent upon NIH appropriations and the submission of a sufficient number of meritorious applications. Award Budget: 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.

**Exploratory/Developmental Bioengineering Research Grants (EBRG) (R21 Clinical Trial Not Allowed)** ([link](#)) – Standard Due Dates: February 16, June 16, October 16 – The number of awards is contingent upon NIH appropriations and the submission of a sufficient number of meritorious applications. Award Budget: 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.

**Bioengineering Research Partnerships (U01 Clinical Trial Not Allowed)** ([link](#)) – LOI Due 30 Days Prior to Application; 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. 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 Not Allowed)** ([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. Award Budget: Application budgets are not limited but need to reflect the actual needs of the proposed project.

**Medical Simulators for Practicing Patient Care Providers Skill Acquisition, Outcomes Assessment and Technology Development (R01 Clinical Trial Not Allowed)** ([link](#)) – LOI Due 30 Days Prior to Application; 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. Award Budget: Application budgets are not limited but need to reflect the actual needs of the proposed project.

**Synthetic Biology for Engineering Applications (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. Award Budget: Application budgets are not limited but need to reflect the actual needs of the proposed project.

**NIH Exploratory/Developmental Research Grant Program (Parent R21 Clinical Trial Not Allowed) ([link](#))** – Standard Due Dates: February 16, June 16, October 16 – The number of awards is contingent upon NIH appropriations and the submission of a sufficient number of meritorious applications. Award Budget: 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.

**NIH Research Project Grant (Parent R01 Clinical Trial Not Allowed) ([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. Award Budget: Application budgets are not limited but need to reflect the actual needs of the proposed project.

**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.

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**NSF**

**New Environmental Convergence Opportunities in Chemical, Bioengineering, Environmental, and Transport Systems (ECO-CBET) ([link](#))** – Prelim Due February 12, 2020; Full Due April 30, 2020 - Estimated Number of Awards: 5 to 7. The awards will be 4-year awards and may be renewable for an additional four years, depending on the availability of funds and a competitive merit review process. Anticipated Funding Amount: $8,500,000

**New Semiconductor Synthetic Biology for Information Storage and Retrieval (SemiSynBio-II) ([link](#))** – Submission Window: February 14, 2020 - March 16, 2020 – Approximately, 8 to 10 multidisciplinary awards will be made in FY 2020, subject to the availability of funds and quality of proposals. Individual projects will be funded at up to $1,500,000 for three years depending on the availability of funds.

**New Future of Work at the Human-Technology Frontier: Core Research (FW-HTF) ([link](#))** – Full Due March 9, 2020 - Up to 15 Planning Grant Awards and up to 15 Research Grant Awards. Two classes of proposals will be considered through this solicitation: FW-HTF Planning Grants (FW-HTF-P) may be requested for a total budget not to exceed $150,000 for a period of 1 year. FW-HTF Research Grants (FW-HTF-R) may be requested at two levels: Medium FW-HTF-R proposals may request support for a period of up to 3 years, with a total budget not to exceed $1,500,000; Large FW-HTF-R proposals may request support for a period of up to 4 years, with a total budget between $1,500,001 and $3,000,000.

**New Dear Colleague Letter: NSF/NSFC Joint Research on Environmental Sustainability Challenges ([link](#))**
**NSF Dynamic Language Infrastructure – NEH Documenting Endangered Languages (DLI-Del) (data, infrastructure and computational methods) [link]** – Full Due September 15, 2020 – Estimated Number of Awards: 20 to 30: 20-30 including 5 Fellowships. Approximately $4.8 million (approximately $3.8 million from NSF and up to $1 million from NEH); this is the total for awards to be made annually, pending availability of funds.

**Ethical and Responsible Research (ER2) [link]** – Full Due February 24, 2020 – Estimated total annual funding amount is $3,550,000 subject to the availability of funds. The maximum amount for 5-year awards is $600,000 (including indirect costs) and the maximum amount for 3-year awards is $400,000 (including indirect costs). The average award is $275,000.

**Growing Convergence Research (GCR) [link]** – Full Due February 3, 2020 – Estimated Number of Awards: 10; $12,000,000 pending availability of funds, to support the first two years of proposals selected for an award. The total amount awarded in future years will depend on the availability of funds and number of awards advancing to years 3-5.

**NSF PD Opportunities**

- **CBET Interfacial Engineering [link]** – Full Proposal Accepted Anytime – PD 20-1417
- **CBET Nanoscale Interactions [link]** – Full Proposal Accepted Anytime – PD 20-1179
- **EEC Research in the Formation of Engineers (RFE) [link]** – Full Proposal Accepted Anytime – PD 19-1340
- **Critical Aspects of Sustainability (CAS) [link]** – Note: Check link for directorates’ due dates – PD 19-9102

**Requests for Information/Notices of Intent**

- **New EERE Request for Information: Supercritical Carbon Dioxide Power Cycles Integrated with Thermal Energy Storage [link]** – Responses Due December 18, 2019

**Student/Postdoctoral Opportunities**

- **New FY 2020 National Defense Science and Engineering Graduate (NDSEG) Fellowship [link]** – Application Deadline is December 6, 2019 – NDSEG Fellowships last for a period of up to three years (based on continued funding), and covers full tuition and mandatory fees. Fellows also receive a monthly stipend ($3,200), and up to $1,200 a year in medical insurance.

**Junior Faculty Opportunities**

**Young Investigator Programs**

[http://tees.tamu.edu/researchsupport/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).

<table>
<thead>
<tr>
<th>Opportunity for Assistant Professors</th>
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<tr>
<td>There are funds available to help Assistant Professors in visiting funding agency program officers at DoD, DoE, NSF, DARPA, etc., when they are ready. Readiness will be assessed by Dr. Z.J. Pei based on a justification statement submitted by the faculty member, including expertise, experience, and research ideas. TEES will pay up to half of the cost of travel to Washington, D.C., for an approved Assistant Professor. Please contact Dr. Z.J. Pei, TEES Director of Research Development, at <a href="mailto:zjpei@tamu.edu">zjpei@tamu.edu</a> for more information.</td>
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</tbody>
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Funding Opportunities

Future Funding Opportunities will be posted here.

Seminars/Events/Workshops

Today
Junior Faculty Proposal Writing Academy: NSF Proposal Supplementary Documents
November 20, 2019
1:00 p.m. - 3:00 p.m.
MSC 1401
Information

Junior Faculty Proposal Writing Academy: NSF Broader Impacts & Education Plan Seminar & Expo
February 5, 2020
1:00 p.m. - 5:00 p.m.
ILSB Auditorium and Lobby
Information and Registration to come

2020 NSF ENG CAREER Proposal Writing Workshop
March 31 - April 2, 2020
Location: Arlington, VA
Information – Application Deadline is January 6, 2020.

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 (Updated: February 2019) – 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 past digests.

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)

Hanover Research Webinar: Keys to Proposal Resubmission
December 12, 2019
12:00 p.m. - 12:45 p.m. ET (11:00 a.m. - 11:45 a.m. CT)
Information and Registration

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

Today
Junior Faculty Proposal Writing Academy: NSF Proposal Supplementary Documents
November 20, 2019
1:00 p.m. - 3:00 p.m.
MSC 1401
Information

Save the Date
A Visual Pitch: Enhancing Your Proposal with Graphics
January 23, 2020
9:00 a.m. - 10:30 a.m.
Wisenbaker, Room 232

Save the Date
Junior Faculty Proposal Writing Academy: NSF Broader Impacts & Education Plan Seminar & Expo
February 5, 2020
1:00 p.m. - 5:00 p.m.
ILSB Auditorium and Lobby

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