Funding Opportunities

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

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 NSF Partnerships for Innovation – Research Partnerships – Email of Intent Due April 11, 2019; Internal Proposal Due April 18, 2019
Limited Submission Breast Cancer Alliance Young Investigator Grants – Email of Intent Due April 17, 2019; Internal Proposal Due April 24, 2019
Limited Submission Conservation, Food, and Health Foundation – Email of Intent Due April 17, 2019; Internal Proposal Due April 24, 2019
Limited Submission Brain Research Foundation Scientific Innovations Award – Email of Intent Due April 26, 2019; Internal Proposal Due May 3, 2019
Limited Submission Pew Charitable Trusts Pew Biomedical Scholars – Email of Intent Due May 1, 2019; Internal Proposal Due May 8, 2019
Limited Submission NIH Data Science Research: Personal Health Libraries for Consumers and Patients – Email of Intent Due May 3, 2019; Internal Proposal Due May 10, 2019
Limited Submission Edward Mallinckrodt, Jr. Foundation Mallinckrodt Grants – Email of Intent Due May 17, 2019; Internal Proposal Due May 24, 2019

TEES Research Development
Proposal Development Assistance

For assistance, please contact Dr. Laurie Garton at lsgarton@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.

DOD
New **DARPA Optimization with Noisy Intermediate-Scale Quantum devices (ONISQ)** ([link](#)) – Abstract Due April 22, 2019; Full Due June 10, 2019 – DARPA anticipates multiple awards. Anticipated Funding Available for Awards (approximate anticipated sum-total of all awards made): $33M.

New **DARPA Grounded Artificial Intelligence Language Acquisition (GAILA)** ([link](#)) – Full Due April 26, 2019 – The total award value for the combined Phase 1 base and Phase 2 option is limited to $1,000,000.

**Air Force Fiscal Year 2020 Young Investigator Research Program (YIP) Synopsis 1** ([link](#)) – Full Due June 3, 2019 – Most YIP awards are funded up to $150,000 per year for three years, for a total of $450,000. Each three year budget must not exceed $150,000; regardless if the total budget is $450,000. Exceptional proposals will be considered individually for higher funding levels and/or longer duration. We anticipate approximately thirty-seven (37) awards under this competition if funds are available.

**AFOSR Military Medical Photonics Program Synopsis 1** ([link](#)) – This BAA will remain open until superseded. However any currently available funds must be obligated by 30 September, 2019, and so proposals for those funds must be received before 30 June 2019. – Subject to the availability of funds, awards made under this BAA will support a small number of individual awards for research and development toward applications of lasers and other light sources to combat casualty care and other military medicine. Awards are anticipated to be in the form of grants or contracts.

**DARPA Information Innovation Office (I2O) Office-wide** ([link](#)) – Abstract Due July 18, 2019; Proposal Due August 30, 2019 – 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.

**FY19 Office of Naval Research (ONR) Navy and Marine Corps Science, Technology, Engineering & Mathematics (STEM), Education and Workforce Program** ([link](#)) – Mandatory White Papers Due April 1, 2019 - June 28, 2019; Invited Applications Due September 27, 2019 – ONR’s total STEM funding effort is $6,250,000 per year, subject to the availability of funds. Under this FOA competition, ONR intends to award approximately twenty-five (25) awards for a maximum of $250,000 per year for each award, with one-year (1) option periods for up to three (3) years.

### DOD Long-Term Opportunities

**Research Interests of the Air Force Office of Scientific Research BAA – Information and Networks (RTA2) – Dynamic Data Driven Applications Systems (DDDAS) Synopsis 2** ([link](#)) – Open until superseded – Approximately $300 million is anticipated to be available for support of actions awarded under this announcement, subject to availability of funds. Research proposals funded between $200,000 and $400,000 per year are encouraged. Most of our awards are three (3) years in duration. Awards may be proposed for not more than five (5) years.

**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 1** (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.

**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.

**DOE**

**New** ARPA-E Design Intelligence Fostering Formidable Energy Reduction and Enabling Novel Totally Impactful Advanced Technology Enhancements (DIFFERENTIATE) (link) – Concept Papers Due May 20, 2019; Full TBD – Approximately $15 million, subject to the availability of appropriated funds. ARPA-E may issue one, multiple, or no awards under this FOA. Awards may vary between $250,000 and $5 million.

**New** ARPA-E Design Intelligence Fostering Formidable Energy Reduction and Enabling Novel Totally Impactful Advanced Technology Enhancements (DIFFERENTIATE) SBIR/STTR (link) – Concept Papers Due May 20, 2019; Full TBD – Approximately $5 million, subject to the availability of appropriated funds. ARPA-E may issue one, multiple, or no awards under this FOA. Awards may vary between $252,131 and $1,933,010.

**New** DOE Office of Science Quantum Horizons: QIS Research and Innovation for Nuclear Science (link) – Full Due May 31, 2019 – Total award values (for all years of the request, and including all subawards) will not exceed: Research Opportunities I-III: $1,000,000 per award; Research Opportunity IV: $200,000 per award for Postdoctoral or Intern support; Research Opportunity IV: $150,000 per award for Graduate Student support; Research Opportunity V: $50,000 per award for major conference meetings; Research Opportunity V: $25,000 per award for workshop meetings; Research Opportunity V: $10,000 per award for PI exchange meetings.

**New** DOE High Performance Computing for Energy Innovation (HPC4EI): Covering the High Performance Computing for Manufacturing (HPC4Mfg) High Performance Computing for Materials (HPC4Mtls), and High Performance Computing for Mobility (HPC4Mobility) Programs (link) – Concept Paper Due May 6, 2019; Full Due End of July 2019 – **Note:** For HPC4Mfg and HPC4Mtls, universities, institutes, and other non-profit organizations are eligible to participate as collaborators. For HPC4Mobility, universities, institutes, and other non-profit organizations are eligible in Area 3.1 as well as collaborators in Area 3.2 – Funding for university participants must be provided by the industrial partner and can be considered a component of the industrial partner’s in-kind funding contribution.

**New** EERE Fiscal Year 2019 Advanced Vehicle Technologies Research Funding Opportunity Announcement (link) – Concept Papers Due May 1, 2019; Full Due June 19, 2019 – EERE expects to make a total of approximately $59,000,000 of federal funding available for new awards under this FOA, subject to the availability of appropriated funds. EERE anticipates making approximately 40-68 awards under this FOA. EERE may issue one, multiple, or no
awards under each area of interest. Individual awards may vary between $350,000 and $7,500,000.

**New** American-Made Furthering Advancements to Shorten Time (FAST) Commissioning for Pumped-Storage Hydropower Prize Challenge ([link](https://example.com)) – Concept Stage Closes May 24, 2019; Incubation Stage: July - October 2019; Pitch Contest Stage: October 2019; Winner Announced: October 2019 – Finalists will receive vouchers for up to 50 hours of support from one of four DOE national laboratories to prepare for a pitch contest which will result in up to 3 winners and up to $550,000 of combined cash prizes and voucher support.

**New** DOE Office of Science Accelerated Research in Quantum Computing (ARQC) ([link](https://example.com)) – LOI Due May 1, 2019; Full Due May 31, 2019 – DOE anticipates the total value of awards made under this FOA will be between $5 and $15 million for 2 to 3 collaborations. Awards amounts of $250,000 to $2,500,000 per year for 5 years. **Summary of Limitations on Submissions** (see solicitation for more details): ARQC Team Director: Applications with more than one investigator, including applications with multiple institutions, must designate one and only one investigator as the Team Director, who will exercise overall scientific control and direction of the proposed research. **Limitation on the Number of Applications:** An individual may participate in no more than two applications and may be the Team Director on no more than one application. An institution may be the Lead Institution on no more than one application.

**NIH**

**New** NIH Director’s New Innovator Award Program (DP2 Clinical Trial Optional) ([link](https://example.com)) – Due August 26, 2019 – NIH intends to commit approximately $80 million for approximately 33 awards in fiscal year 2019. The number of awards is contingent upon NIH appropriations and the submission of a sufficient number of meritorious applications. Award Budget: Awards are multi-year funded with all funds disbursed in the first year of the award. Awards will be up to $1,500,000 in direct costs (the equivalent of $300,000 in Direct Costs each year for five years) plus applicable Facilities and Administrative (F&A) costs to be determined at the time of award.

**NIH Standard Due Dates**

**Exploratory/Developmental Bioengineering Research Grants (EBRG) (R21 Clinical Trial Not Allowed)** ([link](https://example.com)) – 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 Optional)** ([link](https://example.com))

**Bioengineering Research Partnerships (U01 Clinical Trial Not Allowed)** ([link](https://example.com)) – 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 Partnerships (U01 Clinical Trial Required)** ([link](https://example.com))
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. Bioengineering Research Grants (BRG) (R01 Clinical Trial Required) (link)

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. (Parent R21 Clinical Trial Required) (PA-19-054)

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. (Parent R01 Clinical Trial Required) (PA-19-055)

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.

NSF

Dear Colleague Letter: Storm Penetrating Aircraft Capability – Concepts for Development and Operations (link)

Dear Colleague Letter: Models for Uncovering Rules and Unexpected Phenomena in Biological Systems (MODULUS) (link)

Real-Time Machine Learning (RTML) (link) – Full Due June 6, 2019 – Estimated Number of Awards: 8 to 12; Anticipated Funding Amount: $10,000,000; Award size: Small Awards: up to $500,000 for 3 years; Large Awards: up to $1,500,000 for 3 years.

EHR Core Research (ECR): Building Capacity in STEM Education Research (ECR: BCSER) (link) – Full Due June 7, 2019 – NSF expects to make 26 standard or continuing grant awards. The ECR: BCSER competition anticipates having $12,000,000 for new awards in FY 2019, subject to availability of funds, as follows: Individual Investigator Development
in STEM Education Research: Up to 16 awards. The maximum award amount is $350,000 for two years; Institutes in Research Methods: Up to five awards. The maximum award amount for is $1,000,000 for three years; ECR Data Hub: One award is anticipated. The maximum award amount is $1,000,000 for five years. The typical award amount for Conferences is $25,000 to $100,000.

**Smart and Connected Communities (S&CC) [(link)](link)** – LOI Due August 6, 2019; Full Due September 6, 2019 – S&CC Integrative Research Grants (SCC-IRGs) Tracks 1 and 2. Awards in this category will support fundamental integrative research that addresses technological and social science dimensions of smart and connected communities and pilots solutions together with communities. Track 1 is for budgets greater than $1,500,000 with no recommended budget limit, and for up to four years of support. Track 2 is for budgets not to exceed $1,500,000, and for up to three years of support. S&CC Planning Grants (SCC-PGs). Awards in this category are for capacity building to prepare project teams to propose future well-developed SCC-IRG proposals. Each of these awards will provide support for a period of one year and may be requested at a level not to exceed $150,000 for the total budget.

**Limited Submission NSF Partnerships for Innovation – Research Partnerships [(link)](link)** – Full Due July 10, 2019 – PFI-TT projects will be funded for up to $250,000 for 18-24 months per award; approximately 40-50 awards are anticipated. PFI-RP projects will be funded for up to $550,000 for 36 months. Approximately 10-15 awards are anticipated. **Note:** There is no limit on the number of PFI-TT proposals an organization may submit to a deadline of this solicitation. However, an organization may not submit more than one (1) new or resubmitted PFI-RP proposal to a deadline of this solicitation. This eligibility constraint will be strictly enforced. If an organization exceeds this limit, the first PFI-RP proposal received will be accepted, and the remainder will be returned without review. An organization may not receive more than two (2) awards from a submission deadline of this solicitation.

**Cyberinfrastructure for Sustained Scientific Innovation (CSSI): Elements and Framework Implementations [(link)](link)** – Full Due November 1, 2019 – Up to 25 Elements awards, and up to 10 Framework Implementations awards are anticipated, subject to the availability of funds and quality of proposals received. Up to $15,000,000 is expected to be available for Elements awards, and up to $31,500,000 is expected to be available for Framework Implementations awards, subject to the availability of funds.

**Harnessing the Data Revolution (HDR): Institutes for Data-Intensive Research in Science and Engineering – Frameworks (I-DIRSE-FW) [(link)](link)** – Full Due May 7, 2019 – 8-10 awards in FY 2019 pending availability of funds and the type, scale, and variety of project ideas proposed. Up to a total of $21 million is available for 8 - 10 two-year awards stemming from Frameworks proposals.

**Growing Convergence Research (GCR) [(link)](link)** – Full Due May 8, 2019 and 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.

**A Science of Science Policy Approach to Analyzing and Innovating the Biomedical Research Enterprise (SCISIPBIO) [(link)](link)** – Full Due May 8, 2019 and September 9, 2019 – It is estimated that about 4-8 awards per year will be made. NIGMS and SBE will each devote up to $1.0 million in funding, subject to availability of funds and receipt of
meritorious proposals. Award sizes are expected to range from $100,000 to $250,000 (total costs) per year for up to 4 years.

**Requests for Information/Notices of Intent**

- **New** [ARPA-E Request for Information (RFI) on Intelligent Analytics, Algorithms, and Maintenance to Optimize Operations in Advanced Nuclear Reactors](link) – Responses Due April 25, 2019

- **DARPA Request for Information (RFI): Subterranean Survey and Mapping** (link) – Responses Due April 15, 2019

**Student/Postdoctoral Opportunities**

- **New** [NIH Director’s Early Independence Awards (DP5 Clinical Trial Optional)](link) – LOI Due August 13, 2019; Application Due September 13, 2019 – The NIH Common Fund intends to commit approximately $4,000,000 to support approximately 10 awards in FY 2020, contingent upon availability of funds and receipt of a sufficient number of meritorious applications. Future year amounts will depend on annual appropriations and satisfactory progress. Award Budget: Awards will be for up to $250,000 in direct costs per year, plus applicable Facilities and Administrative (F&A) costs.

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/](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).

**Opportunity for Assistant Professors**

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 zipei@tamu.edu for more information.
Funding Opportunities

**Limited Submission** *Breast Cancer Alliance Young Investigator Grants* – Email of Intent Due April 17, 2019; Internal Proposal Due April 24, 2019

**New** *NIH Director's New Innovator Award Program (DP2 Clinical Trial Optional)* (link) – Due August 26, 2019 – NIH intends to commit approximately $80 million for approximately 33 awards in fiscal year 2019. The number of awards is contingent upon NIH appropriations and the submission of a sufficient number of meritorious applications. Award Budget: Awards are multi-year funded with all funds disbursed in the first year of the award. Awards will be up to $1,500,000 in direct costs (the equivalent of $300,000 in Direct Costs each year for five years) plus applicable Facilities and Administrative (F&A) costs to be determined at the time of award.

**Air Force Fiscal Year 2020 Young Investigator Research Program (YIP) Synopsis 1** (link) – Full Due June 3, 2019 – Most YIP awards are funded up to $150,000 per year for three years, for a total of $450,000. Each three year budget must not exceed $150,000; regardless if the total budget is $450,000. Exceptional proposals will be considered individually for higher funding levels and/or longer duration. We anticipate approximately thirty-seven (37) awards under this competition if funds are available.

Seminars/Events/Workshops

*Future Seminars/Events/Workshops will be posted here.*

**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/](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)*
EERE Clean Energy Manufacturing Innovation Institute: Cybersecurity in Energy Efficient Manufacturing Informational Webinar
April 16, 2019
1:00 p.m. ET
Registration

NSF SBIR/STTR Project Pitch & Program Overview Webinar
April 24, 2019 – 2:00 p.m. - 3:30 p.m. ET
Information
Registration

NSF Convergence Overview – Presented by the Division of Research
April 26, 2019
10:00 a.m. - 11:00 a.m. CT
Session number: 928 478 615
Session password: aggies2019

To join the webinar:

1. Go to https://vpr-tamu.webex.com/vpr-tamu/k2/j.php?MTID=t1353f0a8e83d698341cf9465189db6cc
2. Enter your name and email address.
3. Enter the session password: aggies2019
4. Click “Join Now”.
5. Follow the instructions that appear on your screen.

Host’s name: TAMU Research
Host’s email: support@vpr.tamu.edu

NSF Faculty Early Career Development Program (CAREER) Webinar
May 9, 2019
2:00 p.m. - 4:00 p.m. ET
Information and Registration

DARPA Discover DSO Day
June 18-19, 2019
Arlington, VA
Information and Registration – Registration information will be provided in a separate announcement anticipated for publication in late Spring 2019.

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

NSF Broader Impacts
April 11, 2019
2:30 p.m. - 4:00 p.m.
ILSB, Room 3134
Information – Registration is not required.

NSF Proposal Supplementary Documents
April 16, 2019
2:30 p.m. - 4:00 p.m.
ILSB, Room 3134
Information – Registration is not required.

TAMIDS Workshop on Data Science/AI/ML in Education – Call for Abstracts and Registration
April 24, 2019
MSC Room 2300
Registration for Attendance: All attendees including speakers are requested to register for the workshop. Registration is prioritized to faculty, researchers, and staff until April 14, 2019, and will be opened to students thereafter. Register to attend here.

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.