Funding Opportunities
For previous funding opportunities, see http://teesresearch.tamu.edu/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.

Limited Submission NSF Cultivating Culture for Ethical STEM (CEE STEM) – Email of Intent Due November 28, 2016; Internal Proposal Due December 1, 2016

CONACYT
2017 TAMU-CONACYT Request for Proposals (link) – LOI (Required) Due December 8, 2016; Full Due March 27, 2016 – Principal investigators (PIs) may apply for a Regular Research Award providing up to $24,000 in joint funding or a Special Research Award providing up to $75,000 in joint funding. PIs may not submit proposals to both award programs.

DOE
Photovoltaics Research and Development (PVRD) 2: Modules and Systems (link) – LOI Due December 1, 2016; Concept Paper Due December 14, 2016 – Total Amount Available $25,000,000
Deep Direct-Use Feasibility Studies (link) – Concept Papers Due December 15, 2016 – Individual awards in Topic Area 1 may vary between $240,000 and $900,000. The award in Topic Area 2 will be up to $350,000.
Biosystems Design to Enable Next-Generation Biofuels and Bioproducts (link) – Pre-application Due December 19, 2016 – It is anticipated that award sizes may range from $1,000,000 per year to $5,000,000 per year.

EPA
Regular and Early Career: Anticipating the Environmental Impacts and Behavioral Drivers of Deep Decarbonization (link) – Due February 10, 2017 – Total Amount Available $6,000,000

NIH
Postbaccalaureate Research Education Program (PREP) (R25) (link) – Due January 24, 2017 – The total direct costs for each award are limited to $400,000 annually.

Research Education: Initiative for Maximizing Student Development (IMSD) Program (R25) (link) – Due January 27, 2017 – The total amount to be awarded is approximately $5 million (total costs) per year.

Large Research Projects for Prevention of Healthcare-Associated Infections (R01) (link) – Standard Dates: February 5, June 5, October 5 – The total costs awarded to a grant under this FOA will not exceed $500,000 in any given year for a period of up to five (5) years. Applications with project periods that exceed five years or budgets that exceed $500,000 total costs in any given year will not be reviewed.

BD2K Support for Meetings of Data Science Related Organizations (U13) (link) – Due December 15, 2016 – Application budget requests should reflect the actual needs for the proposed meeting(s) but must not exceed $470,000 annually in direct costs.

Facile Methods and Technologies for Synthesis of Biomedically Relevant Carbohydrates (U01) (link) – Due November 28, 2016 – Application budgets should be strongly justified and reflect the actual needs for the proposed project. Direct costs are limited to a maximum of $500,000 in each year.

Data Integration and Analysis Tools: Accessible Resources for Integration and Analysis of Carbohydrate and Glycoconjugate Data in the Context of Comparable Gene, Protein, and Lipid Data (U01) (link) – Due November 28, 2016 – Direct costs are limited to a maximum of $1.5 million, per year.

 Novel and Innovative Tools to Facilitate Identification, Tracking, Manipulation, and Analysis of Glycans and their Functions (U01) (link) – Due November 28, 2016 – Application budgets should be strongly justified and reflect the actual needs for the proposed project. Direct costs are limited to a maximum of $400,000 in each year.

 Innovative Adaptations to Simplify Existing Technologies for Manipulation and Analysis of Glycans (U01) (link) – Due November 28, 2016 – Application budgets should be strongly justified and reflect the actual needs for the proposed project. Direct costs are limited to a maximum of $200,000 in each year.

 NLM Express Research Grants in Biomedical Informatics (R01) (link) – Standard Due Dates: October 5, February 5, June 5 – The NLM Express Research Grant has a limit of $250,000 per year in direct costs.

NSF
Algorithms for Modern Power Systems (AMPS) (link) – Full Due February 13, 2017 – Total Amount Available $1,200,000
Algorithms in the Field (AitF) (link) – Full Due January 12-26, 2017 – Approximately 15 awards of up to $800,000 per award with durations up to 4 years are anticipated, subject to availability of funds.

Scalable Parallelism in the Extreme (SPX) (link) – Full Due January 10, 2017 – Approximately $10,000,000 will be made available in FY 2017 to support up to 15-25 awards with durations of 2-4 years and up to $1,000,000 per award.

NSF/Intel Partnership on Computer Assisted Programming for Heterogeneous Architectures (CAPA) (link) – Full Due December 8-15, 2016 – The awards are expected to have a total budget of $2-3 million per award for a duration of 3 years, subject to the availability of funds and quality of proposals received.

Collaborative Research in Computational Neuroscience (CRCNS) (link) – Full Due December 19, 2016 – Total Amount Available $5,000,000 to $20,000,000 per year, subject to availability of funds.

Notices of Intent/Requests for Information

DARPA In Vivo Nucleic Acid Sequencing and Synthesis, RFI (link) – Responses Due December 2, 2016

DARPA Synthetic Organelles: Assembly and Applications, RFI (link) – Responses Due December 2, 2016

Fellowships/Awards


Oak Ridge National Laboratory Alton S. Householder Fellowship (link) – Due November 31

Oak Ridge National Laboratory Clifford G. Shull Fellowship (link) – The fellowship is offered multiple times a year.

Proposers Days/Webinars

An Introduction to Texas A&M University-Mexico Research Funding Partnerships (Part of the session is dedicated to a CONACYT Writer's Workshop)
November 16, 2016
2 p.m. - 4 p.m.
ILSB Auditorium
Information and Registration

NSF Webinar for the IUSE/PFE: RED Program
November 18, 2017
12:00 p.m. - 2:00 p.m.
Information and Registration

DARPA Insect Allies Proposers Day and Webcast
November 18, 2016
8:30 a.m. - 4:30 p.m. ET
Executive Conference Center, Arlington, VA

Information and Registration – Due to conference facility space limitations, attendance will be limited to the first 100 registrants. Remote participation via webcast is limited to 500 participants.

DOE Photovoltaics Research and Development (PVRD) 2: Modules and Systems Informational Concept Paper Phase Webinar (Relevant to All Topic Areas)
November 21, 2016
1:30 p.m. - 2:15 p.m.
Registration

DOE Deep Direct-Use Feasibility Studies Informational Webinar
November 22, 2016
11 a.m. - 12 p.m.
Registration

DTRA for our Partnering for Strategic Threat Reduction Webinars
December 1, 2016
1:00 p.m. - 3:00 p.m.
Information and Registration – Register by November 30.

NIH Peer Review Online Briefings for Fellowship and R01 Grant Applicants, and Basic Research Grant Applicants and Reviewers
8 Ways to Successfully Navigate NIH Peer Review and Get an RO1 Grant
December 1, 2016

NIH Peer Review Briefing for Basic Research Applicants and Reviewers
December 2, 2016

Information and Registration for both NIH webinars

Developing SBIR/STTR Proposals to the Department of Defense Webinar
December 8, 2016
12:00 p.m. - 1:30 p.m.
Please indicate interest in participating when you register for the on-campus workshop (see Upcoming Events below)

NSF Proposal & Award Policies & Procedures Guide (PAPPG) Update Webinars
(Updates effective January 30, 2017)
January 19, 2017 – 12 p.m. - 1:30 p.m.
Information and Registration

Upcoming Events
See also http://teesresearch.tamu.edu/events/ for a complete listing and links to handouts/presentations
Research News

Research Team Led by Balbuena Awarded $1.2 Million DOE Grant to Study and Model Battery Reactions

The Vehicle Technology Office (VTO) within the Department of Energy (DOE) recently awarded a $1.2 million grant to a team led by Dr. Perla Balbuena, professor and holder of the GPSA Professorship in the Artie McFerrin Department of Chemical Engineering at Texas A&M University.

Dr. Jorge Seminario, professor and holder of the Lanatter & Herbert Fox Professorship in chemical engineering, and Dr. Partha Mukherjee, assistant professor and Morris E. Foster Faculty Fellow II in the Department of Mechanical Engineering, serve as co-principal investigators on the project.

To view the complete story, please visit the website.

Li Receives NSF/SRC Grant to Find Revolutionary Solutions for More Energy-efficient Computing

Dr. Peng Li, professor in the Department of Electrical and Computer Engineering at Texas A&M University, has received a grant from the National Science Foundation (NSF) and Semiconductor Research Corporation (SRC) to help find revolutionary solutions that will enable more energy-efficient computing.

Li’s project will develop spike-dependent learning mechanisms to allow training of complex recurrent spiking neural networks. Self-adaptive processor architectures with integrated on-chip learning, light-weight runtime learning performance prediction and energy management will be developed to maximize the energy efficiency of the proposed neural processors while providing a guarantee for learning performance.

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.tamus.edu.