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 The Valley Baptist Legacy Foundation Legacy Foundation Collaborative Grants – Email of Intent Due May 9, 2016; Internal Proposal Due May 23, 2016
Limited Submission Pew Charitable Trusts Pew Scholars Program in the Biomedical Sciences – Email of Intent Due May 13, 2016; Internal Proposal Due May 18, 2016
Limited Submission NIH Director’s Early Independence Awards (DP5) – Email of Intent Due June 15, 2016; Internal Proposal Due June 21, 2016

DOD
Intense and Compact Neutron Sources Phase Two (ICONS2) (link) – Abstract Due May 13, 2016 – Awards will depend on the quality of the proposals received and the availability of funds.
Collaborative Center for Multidisciplinary Sciences Program (link) – Due June 10, 2016 (amended) – Total Award Amount $3,000,000
Biological Technologies (link) – Abstracts and Full Proposals submitted on rolling basis until April 28, 2017 – The amount of resources made available under this BAA will depend on the quality of the proposals received and the availability of funds.
INTERfering and Co-Evolving Prevention and Therapy (INTERCEPT) (link) – Abstract Due May 19, 2016 – Awards will depend on the quality of the proposals received and the availability of funds.

DOE
Enabling Extreme Real-Time Grid Integration of Solar Energy (ENERGISE) (link) – Concept Papers Due June 17, 2016 – Total Amount Available $25,000,000

NASA
Research Opportunities in Space and Earth Sciences – 2016 (ROSES – 2016) (link) – Due June 1, 2017 – Award Amounts Vary
NIH
Improving Physical Infrastructure to Enhance Animal Model Research: Revisions of Research Project Grants (R01) ([link]) – Due August 1, 2016 – The requested application budget must be at least $50,000, but cannot exceed the direct costs of the parent research project grant award in the FY2017 or $250,000, whichever is smaller.

Preclinical Research on Model Organisms to Predict Treatment Outcomes for Disorders Associated with Intellectual and Developmental Disabilities (R01) ([link]) – Due June 5, 2016 – The requested application budget must be at least $50,000, but cannot exceed the direct costs of the parent research project grant award in the FY2017 or $250,000, whichever is smaller.

Outcome Measures for Use in Treatment Trials of Individuals with Intellectual and Developmental Disabilities (R01) ([link]) – Due June 5, 2016 – Budgets for direct costs of up to $499,999 per year may be requested for a maximum of $2,499,996 direct costs over a five-year project period.

Research Answers to NCI’s Pediatric Provocative Questions (R01) ([link]) – Due June 30, 2016; November 24, 2016; June 23, 2017; November 24, 2017 – Application budgets are not limited but need to reflect the actual needs of the proposed project.

NSF
Broadening Participation in Engineering ([link]) – Due June 16, 2016 – PD 16-7680
Structural and Architectural Engineering and Materials ([link]) – Due Sept. 15, 2016 - PD 16-1637
Materials Research Science and Engineering Centers ([link]) – Prelim Due July 1, 2016 – Total Award Amount $23,000,000

Innovation Corps – National Innovation Network Sites Program (I-Corps Sites) ([link]) – Due May 25, 2016, and February 9, 2017 – Total Amount Available $2,500,000

Science Learning+ Partnership Grants ([link]) – Due June 14, 2016 – Total Amount Available $12,000,000

Cyber-Physical Systems (CPS) ([link]) – Due June 7, 2016 – Total Amount Available $34,000,000

The Valley Baptist Legacy Foundation
Limited Submission Legacy Foundation Collaborative Grants ([link]) – Letter of Interest Required First – Collaborative Grants between $50,000-$500,000

Awards/Fellowships
NIH – NINDS Faculty Development Award to Promote Diversity in Neuroscience Research (K01) ([link]) – Due June 12, 2016 – Award budgets are composed of salary and other program-related expenses

NIH – NINDS Advanced Postdoctoral Career Transition Award to Promote Diversity in Neuroscience Research (K22) ([link]) – Due July 12, 2016 – Award budgets are composed of salary and other program-related expenses

Universidad de Jaén – H2020 Marie Sklodowska-Curie Postdoctoral Fellowship ([link]) – Due September 14, 2016 – The grant usually covers two years’ salary, a mobility allowance, research costs and overheads for the host institution.
Proposers Days/Webcasts

DARPA-SN-16-35 TRAnsformative DESign (TRADES) Proposers Day & Webcast
May 13, 2016
Arlington, VA
Information and Registration

Webinar: Understanding SBIR & STTR Phase I Application Process
May 17, 2016
Information and Registration

Enabling Extreme Real-Time Grid Integration of Solar Energy (ENERGISE) Webinar
May 19, 2016
Information

NSF CAREER Program Webinar
May 26, 2016
Information and Registration

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

TEES Research Development
We will post upcoming events as they are announced

Other Opportunities

Department of Energy’s (DOE) 2016 Better Buildings Summit
May 9-11, 2016
Washington, DC
Information and Registration

Spring 2016 NIH Regional Seminar
May 11-13, 2016
Baltimore, MD
Renaissance Baltimore Harborplace Hotel
Registration and Information

Science of Team Science (SciTS) 2016 Conference
May 16-19, 2016
Intensive Course in Research Writing
June 27-July 15, 2016
College of Veterinary Medicine & Biomedical Sciences, Texas A&M University
Information and Registration

Bioenergy 2016: Mobilizing the Bioeconomy through Innovation
July 12-14, 2016
Washington, DC
Information

Fall 2016 NIH Regional Seminar
October 26-28, 2016
Chicago, IL
Palmer House Hilton Hotel
Registration and Information

National Level Reviews/Committees

If you are interested in reviewing any of the reports below, please contact Dr. Narasimha Reddy at reddy@tamu.edu:

Division of Behavioral and Social Sciences and Education (DBASSE)

Developing Indicators for Undergraduate STEM Education [DBASSE-BOSE-021]
200-page interim report expected to enter review 6/25/16
Project information:

Strengthening Research Experiences for Undergraduate STEM Students
[DBASSE-BOSE-022]
300-page traditional consensus report expected to enter review: 7/1/16
Project information:

Assessing Intrapersonal and Interpersonal Competencies [DBASSE-BOTA-057]
250-page traditional consensus report expected date to review: 7/15/16
Project information:

Division on Engineering and Physical Sciences (DEPS)
Research News

Texas A&M Develops Smartphone-Enabled Lab-on-Drone Technology

For the first time, a robust, low-cost and portable technology deployed using drones can be used to monitor and control infectious disease outbreaks in remote locations, says Texas A&M University researcher, Dr. Victor Ugaz, who has built the instrument. By eliminating the need for samples collected in the field to be transported to distant laboratories for analysis by specialized personnel, this instrument can accelerate diagnosis, enable pinpoint delivery of therapeutics and help provide real-time data to better inform decision making.

The lab-on-a-drone technology not only transports medical test kits and samples to and from areas that have limited or no access to a lab infrastructure, it also can perform the diagnostic tests during flight, according to Ugaz, professor, holder of the Charles D. Holland ’53 Professorship and the Thaman Professorship, associate department head in Texas A&M’s Artie McFerrin Department of Chemical Engineering.

Co-authors of the report include doctoral student Ashish Priye and a team of undergraduate students involved in Texas A&M’s AggiE-Challenge program, who worked together to develop the initial PCR device prototype.

“The students’ efforts helped to take our fundamental knowledge from the lab and show how it could be implemented as a product,” said Ugaz.

The researchers also collaborated with College Station-based technology start-up, AI Biosciences, Inc., to adapt diagnostic assays to their platform and to show how the drone can be transformed into a mini centrifuge so that sophisticated pop-up laboratories can be established in any field site.

To view the complete story, please visit the website.

Akabani Advances Interdisciplinary Research in Nuclear Medicine through Small Animal Imaging

The Texas A&M Institute for Preclinical Studies (TIPS) and the Department of Nuclear Engineering at Texas A&M University, under the direction of associate professor Dr. Gamal Akabani, have installed and commissioned a new multimodal Albira Si micro-PET/SPECT/CT
system for preclinical small animal imaging. Akabani has been a strong proponent for the establishment of the Small Animal Imaging Core Facility at Texas A&M since his arrival in 2009 and believes the commissioning of this unit is the first step towards establishing what he distinguishes as an essential research core facility.

Small animal imaging requires the use of positron emitting radionuclide. Whereas some of them are commercially available, some exotic radionuclides are not. Dr. Akabani and his research group have embarked into the production of radionuclides in collaboration with the Texas A&M Cyclotron Institute. Their primary objective is to produce the alpha particle emitting radionuclide 211At, and the other positron emitting radionuclides. Research by his group has focused on the development of binary systems for theranostics. They have acquired the NIRTA Solid Target system from IBA Radiopharma Solutions (Louvain-La-Neuve, Belgium) and are in the process of commissioning the system in the K150 cyclotron.

TIPS, Akabani, and his research group believe that the system will benefit all researchers across campus using small animals and that the system will have the potential to impact the research of others and meet their small animal imaging research needs.

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.