Tips/Lessons Learned in Submitting Proposals

**Before Submitting Your Proposal**

- Print out a final copy, especially if you are submitting electronically, and double check that all sections of the proposal are readable.
- Review the grant guidelines one more time to ensure you followed the rules. Have you overlooked anything?
- Consider if additional graphics would help make your point stronger and clearer.
- Check your budget numbers for consistency between text and budget spreadsheets.

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**Funding Opportunities (from the past 7 days)**

For previous funding opportunities, see [http://teesresearch.tamu.edu/funding-opportunities/](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](mailto: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](http://teesresearch.tamu.edu/funding-opportunities/).

**Limited Submission** Major Research Instrumentation Program: (MRI) – Email of Intent Due October 7, 2015; Internal Proposal Due October 14, 2015

**Limited Submission** NIH NINDS Neuroscience Development for Advancing the Careers of a Diverse Research Workforce (R25) – Email of Intent Due October 23, 2015; Internal Proposal Due October 30, 2015

**Berkeley Energy & Climate Institute (BECI)**
California’s Fourth Climate Change Assessment: Non-Energy Research ([link](http://teesresearch.tamu.edu/funding-opportunities/))

**DOD – DARPA**
Media Forensics (MediFor) ([link](http://teesresearch.tamu.edu/funding-opportunities/))
TEES/Engineering/Division of Research Interdisciplinary Seed Grants for Big Data
Seed Grants for Interdisciplinary Research in Big Data RFP (link)

TEES/Engineering/Division of Research Interdisciplinary Seed Grants for Cybersecurity
Interdisciplinary Seed Grants for Cybersecurity RFP (link)

Navy – Office of Naval Research
Long Range Broad Agency Announcement (BAA) for Navy and Marine Corps Science and Technology (link)

NIH
Limited Submission NIH NINDS Neuroscience Development for Advancing the Careers of a Diverse Research Workforce (R25) (link)

NSF
Limited Submission Major Research Instrumentation Program: (MRI) (link)
Dear Colleague Letter: Optics and Photonics (OP) (link)

Request for Information

DOE – ARPA-E
Request For Information (RFI) on Independent Field Testing of Methane Emissions Detection Technologies (link)
Request For Information (RFI) on Advanced Telepresence Technology (link)

Upcoming Events

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

3-Part Workshop Series in October
Increasing Your Research Funding through Increasing Your Visibility – To the Public, To Your Peers and To Funders

Session I – Today
Increasing Your Visibility to the Public – 2-part session
October 7 & 14, 2015
12:40 p.m. - 1:30 p.m.
ETB 2005
Important: Bring your own laptop. Participants will need to attend BOTH sessions.
Registration: No registration required.
Description: Many funders are influenced by their perception of you research, especially if the public is aware of the work you have done as a result of the funder’s grant. The first session will be about how to make yourself look good and get more people looking at you. The
second session will be on how to actively push your message to the popular press – Presented by **Dr. Bruce Gooch**, Associate Professor of Computer Science and Engineering.

**Increasing Your Visibility to Your Peers – 1 session**
October 19, 2015 – 1:30 p.m. - 3:00 p.m.
OR
October 23, 2015 – 9:30 a.m. - 11:00 a.m.
ETB 3002
**Important:** Bring your laptop. Participants can attend **EITHER** session.
**Registration:** No registration required.
**Description:** Participants will know how to maximize their online scholarly identity (a researcher has no reputation if they have a poor online identity because no one can assess their profile), be able to characterize their scholarly impact, and be introduced to publishing strategies that maximize scholarly impact – Presented by **Dr. Bruce Herbert**, Director of Scholarly Communication, Texas A&M University Libraries.

**Increasing Your Visibility to Funders – 1 session**
October 30, 2015
1:00 p.m. - 2:30 p.m.
ETB 3002
**Important:** Bring your laptop.
**Registration:** No registration required.
**Description:** This workshop will help researchers explain the value proposition of their research to potential funders in 2 minutes or less. The potential types of funders will be discussed along with an overview of what types of descriptions would best engage which funder. – Presented by **Dr. Richard Malak**, Assistant Professor of Mechanical Engineering, and **Rodney Boehm**, Industry Mentor, Engineering Academic and Student Affairs (EASA)

**NSF Broader Impacts Workshop**
October 7, 2015
2:00 p.m. - 3:30 p.m.
Henderson Hall, Room 103
**Registration required**
**Description:** The workshop will cover the strategies and considerations relevant to the Broader Impacts requirement of grant proposals submitted to the National Science Foundation. Questions will be taken at the end of the session until all have been asked and answered.

**Register Now – New Location**
**Lunch and Learn – RIG: Cybersecurity & Security of Cyberphysical Systems**
October 9, 2015
12:00 p.m. - 1:30 p.m.
MSC 2404 (New Location)
**Registration required** – Lunch will be provided
**Description:** The goal of this research interest group (RIG) is to familiarize participants with the vision and goals of the newly formed Cybersecurity Initiative, to review upcoming activities and events, and to engage in focused dialogue. The intended audience is faculty and
others interested in collaborating on cybersecurity initiatives in an effort to substantially increase our level of research activity in this vitally important area.

2nd NIH Regional Seminar on Program Funding & Grants Administration
October 14-16, 2015
San Diego, CA
Information
Registration required – Waitlist only
Description: The NIH Regional Seminar offers a comprehensive program for the NIH extramural community about the NIH grants process and related policies, including such topics as Fundamentals of the NIH, compliance, peer review, grant writing for success, pre-award and post-award issues for administrators and investigators, animal and human subject research, and how to interact electronically with NIH.

Maestro Training for Research Portal Users
Dates: October 21
1:30 p.m. - 3:30 p.m.
To register for one of the dates listed above, email maestro@tamus.edu. Regional campuses can receive training via WebEx on request.

Finding and Responding to Funding Opportunities
October 23, 2015
1:30 p.m. - 3:30 p.m.
Wisenbaker 236C
Register in TrainTraq for Course #2112551 (Section 2268)
Description: The intended audience is both new and moderately experienced proposers. Potential federal and state funders will be discussed including agency culture, finding funding opportunities, assessing competitiveness, contacting program officers, and reading RFPs. This workshop requires computer access for hands-in interactions. Participants are responsible for providing their own access via laptop or tablet.

Cancer Prevention and Research Institute (CPRIT) Innovations in Cancer Prevention and Research Conference
November 9-10, 2015
Renaissance Arboretum Hotel
Austin, Texas
Information – Registration to be announced

Review Process
November 13, 2015
1:30 p.m. - 3:30 p.m.
Wisenbaker 236C
Register in TrainTraq for Course #2112552 (Section 2269)
Description: Interactive workshop includes mock review panels, discussion of the review process and provides tips to successfully maneuver through the proposal review process.

Strategic Initiatives Informational Breakfast
Research News

Research Team Uses NSF Funds to Gain Entrepreneurial Experience

Faculty members in the Department of Mechanical Engineering at Texas A&M University work diligently to prepare students for the engineering profession. The department strives to ensure students are afforded world-class learning opportunities in the classroom and research laboratories. Professors use funded opportunities to provide students real world experiences that will prepare them to answer the challenges of the future.

Dr. Andrea Strzelec, assistant professor in the department, is the principle investigator for a National Science Foundation-funded, Innovation Corps (I-Corps™) activity, which included a seven week business boot camp.

I-Corps is a program designed to challenge scientist, engineers and students to extend their focus beyond the laboratory in an effort to broaden the potential impact of their research projects. Research being conducted in the Combustion and Reaction Characterization Laboratory, which is directed by Strzelec, seeks to develop an innovative after treatment approach for engine exhaust.

To view the complete story, please visit the website.

New Technology Could Mean Better Chemical Analysis on Earth and in Space

A new lightweight, energy-efficient tool for analyzing a material’s chemical makeup could improve the detection abilities of various technologies, ranging from bomb-detecting drones to space rovers searching for signs of life, says a Texas A&M University biomedical engineer who is part of the team developing the instrument.

The tool makes use of optical communications fiber to collect and transmit light as it interacts with the material being studied, explains Vladislav Yakovlev, professor in the Department of Biomedical Engineering at Texas A&M. Compared with conventional technology, the newly designed measurement system is 95 percent lighter, requires 65 percent less energy and is only about a third of the cost, he says. The system is detailed in the latest issue of the scientific journal Proceedings of the National Academy of Sciences.

Perhaps just as important, because of the way in which the system is constructed, it’s significantly sturdier than current technology, Yakovlev notes. This increased robustness, coupled with a massive reduction in the system’s overall weight and decreased energy requirements, makes the technology a prime candidate for integration into lightweight unmanned aircraft vehicles used for remotely sensing explosives, he says. But Yakovlev’s technology is not
limited to terrestrial applications; those same attributes make the system an ideal tool for use on space-based vehicles where mechanical shocks and excessive vibrations associated with the launchings and landings have often damaged analysis technologies, Yakovlev notes.

In essence, Yakovlev’s system is a “better mousetrap”—a reinvention of a technology known as Raman spectroscopy. Raman spectroscopy is a widely used, nondestructive method for performing chemical analysis of a material. It involves analyzing a spectrum of light as it interacts with the molecules of a material. During this process, researchers shine light—typically a laser—on a material. As that light interacts with the molecules of that material, it scatters and changes color in a unique way, depending on the material itself. Because the resulting spectrum is unique to the material, it serves as a sort of “fingerprint” by which researchers can identify the exact chemical composition of that material.

Joining Yakovlev in this research effort are Professor Marlan O. Scully of Texas A&M, Princeton University and Baylor University; Associate Professor Javier Jo of Texas A&M; Professor Kevin K. Lehmann of the University of Virginia; Texas A&M Engineering Experiment Station Research Engineer Georgi I. Petrov and Shuna Cheng and graduate student Zhaokai Meng of Texas A&M.

To view the complete story, please visit the website.

Prepared by TEES Research Development under the auspices of the Associate Agency Director

Collaborators Corner

If you are looking for collaborators for a project/proposal or a piece of equipment, email your request to researchnews@tees.tamus.edu for inclusion in the next newsletter. If you can help, please email the requestor directly.

for Strategic Initiatives and Centers. For questions, email researchnews@tees.tamus.edu.