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 Camille & Henry Dreyfus Foundation Camille Dreyfus Teacher-Scholar Awards Program – Email of Intent Due November 12, 2015; Internal Proposal Due November 19, 2015
Limited Submission NSF Cultivating Cultures for Ethical STEM (CCE STEM) – Email of Intent Due November 18, 2015; Internal Proposal Due November 25, 2015

DOE
Plant Feedstock Genomics for Bioenergy: A Joint Research Funding Opportunity Announcement USDA, DOE (link)

NSF
Critical Techniques, Technologies and Methodologies for Advancing Foundations and Applications of Big Data Sciences and Engineering (BIGDATA) (link)
Scalable Nanomanufacturing (SNM) (link)

TEES/Engineering/Division of Research
Seed Grants for Interdisciplinary Research in Big Data RFP (link) – Proposals due November 23
Interdisciplinary Seed Grants for Cybersecurity RFP (link) – Proposals due November 15

TEES/Engineering/Texas A&M – Kingsville
Interdisciplinary Seed Grants for Energy Research RFP (in partnership with Texas A&M – Kingsville) (link) – Proposals due November 19
Notice of Intent and Request for Information

NIH
Request for Information (RFI): Inviting Comments and Suggestions on the Priorities Specified for the NIH-wide Rehabilitation Research Plan (link)
Request for Information (RFI): Updating the Alzheimer's Disease-Related Dementias Research Priorities (link)

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

Hot Topic

Register Now
Strategic Initiatives Informational Breakfast
November 20, 2015
8:30 a.m. - 10:00 a.m.
ETB 3002
Registration required

TEES Research Development

Review Process
November 13, 2015
1:30 p.m. - 3:30 p.m.
Wisenbaker 236C
Register in TrainTraq for Course #2112552 (Section 2269)

Other Opportunities

Writing Successful Proposals
March 1, 2016
1:00 p.m. – 4:00 p.m.
Henderson Hall, Room 103
Registration required

NSF CAREER Proposal Writer’s Group Inaugural Meeting
March 15, 2016
2:00 p.m. - 3:30 p.m.
Henderson Hall, Room 103
Registration required

NSF Broader Impacts Workshop
March 24, 2016
2:00 p.m. - 3:30 p.m. Henderson Hall, Room 103
Registration required

Research News

Lele’s Biofluid Dynamics Research Featured in Nature Physics

Dr. Pushkar Lele’s paper in the area of biofluid dynamics was published in the 11th volume of *Nature Physics*. His research shows that although the flagellated bacterium *Caulobacter crescentus* exhibits identical forward and backward swimming speeds, paradoxically, the
flagellar motor generates a higher torque in the puller mode than in the pusher mode. Implications extend to other fields such as biophysics and bionanotechnology.

Dr. Lele is an assistant professor in the Artie McFerrin Department of Chemical Engineering.

For more information, please visit the website.

New Study Reports Principle for Tailored Thermal Expansion of Alloys

A new study by researchers in the Department of Materials Science and Engineering at Texas A&M University and Los Alamos National Laboratory has led to a new principle to control macroscopic thermal expansion response of bulk materials, including obtaining zero thermal expansion metals.

The study was supported by the National Science Foundation’s Division of Materials Research, Metals and Metallic Nanostructures Program, the US Air Force Office of Scientific Research, and the International Materials for Multi-function Materials for Energy Conversion (IIMEC) at Texas A&M.

For more information, please visit the website.

New Imaging Technology Helping Detect Oral Cancer More Accurately

A noninvasive device that enables doctors to quickly and accurately identify cancerous tissue in a person’s mouth could result in more effective diagnosis and treatment of the disease, says a biomedical engineer at Texas A&M University who is developing the instrument.

The potentially life-saving tool makes use of technology known as “fluorescence lifetime imaging (FLIM)” to measure and visualize the biochemical changes that occur in oral epithelial tissue as it turns cancerous, says Javier Jo, associate professor in the university’s Department of Biomedical Engineering. Measuring these specific changes, the technology, Jo says, can assist physicians in differentiating precancerous, cancerous and benign lesions in patient’s mouth.

The research, which is supported by the National Institutes of Health (NIH), was presented at this year’s World Molecular Imaging Congress, a venue where scientists and clinicians discuss cutting-edge advances in molecular imaging.

For more information, 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.