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3-7-2012

Office of Research, News & Opportunities, March 07, 2012

University of Tenessee Office of Research

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Recommended Citation
Office of Research, University of Tenessee, "Office of Research, News & Opportunities, March 07, 2012" (2012). *News and Opportunities.*
http://trace.tennessee.edu/utk_researchnews/65

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Quest
Research, Scholarship, Creative Activity
March 7, 2012
NEWS AND OPPORTUNITIES

Faculty chosen for Office of Research boot camp

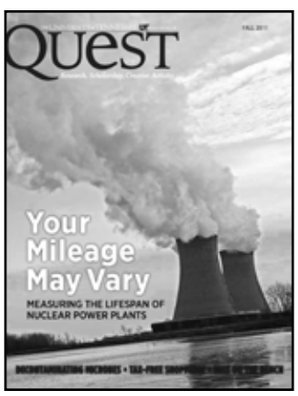
A dozen UT Knoxville faculty members have been selected for the UT Office of Research spring Grant-Writing Institute.

"This is a remarkably diverse group, representing eight departments in five colleges," said Robert Porter, director of research development for the office. Participaants include

- **Rebecca Bolen** (College of Social Work)
- **Dawn Coe** (Kinesiology, Recreation and Sports Studies)
- **Paul Dalhaimer** (Chemical and Biomolecular Engineering)
- **Zannatul Ferdous** (Mechanical, Aerospace and Biomedical Engineering)
- **Vitaly Ganusov** (Microbiology)
- **Lauren Gellar** (Nutrition)
- **Sungkyu Lee (**College of Social Work)
- **Clea McNeely** (Public Health)
- **Jeffrey Reinbolt** (Mechanical, Aerospace and Biomedical Engineering)
- **Nathan Schmidt** (Microbiology)
- **Reba Umberger** (College of Nursing)
- **Xiaopeng Zhao** (Mechanical, Aerospace and Biomedical Engineering)

The institute, in its third year, provides in-depth training in proposal-writing for faculty new to the search for external funding. It is capped by a visit to federal program officers in Washington, D.C. For the first time this year, the boot camp will focus only on National Institutes of Health programs.

Magazine wins award



Quest, the research magazine for the University of Tennessee, Knoxville, was recognized recently with a third-place "Special Merit" award in a competition of the Council for the Advancement and Support of Education, Region III. An article in that issue, "Your Mileage May Vary" by Whitney Heins, also won a third-place for general news/feature writing.

The UT Office of Communications and Marketing won a total of six awards, including a first-place award for the Chancellor's Report.

Reception scheduled for faculty book authors

UT faculty who have published books in 2011 or more recently will be honored with a reception at 3:30 p.m. on Thursday, March 29, 2012, in the Jack Reese Galleria of the John C. Hodges Library.

Faculty books will be on display during the event, which is sponsored by the Office of Research and University Libraries.
RSVP: Patty Boling (boling00@utk.edu, 865-974-6600)

Brownbag lunch to promote STEM collaborations

Faculty and staff involved in STEM outreach are invited to a preliminary brownbag lunch to collaborate on ways to improve science, technology, engineering, and mathematics opportunities in UT programs.

The agenda will include inductions all around, funding forecasts for STEM activities, efficiency, and cost-effectiveness, as well as collaboration on broader impact and other issues.
Key date: Friday, March 16, 2012, from noon to 1 p.m.
Place: CURENT offices in Min Kao Building
Contact: Elizabeth Burman (eburman@utk.edu, 974-8363)

THE UNIVERSITY of TENNESSEE UT KNOXVILLE

http://research.utk.edu

Nominations sought for campus environmental leadership

Nominations are being taken for the 2012 Environmental Leadership Award from the Committee on the Campus Environment. Gordie Bennett, sustainability manager for UT's Facilities Services and Operations, has announced the competition to identify and honor faculty, staff, or students who display exceptional environmental leadership.

One faculty member, one staff member, one graduate student, and one undergraduate will be recognized for demonstrated and continuing commitment to campus environmental leadership through education, peer outreach, and/or individual actions.

The four award winners will be recognized in Earth Day activities on April 20 sponsored by Students Promoting Environmental Action in Knoxville.

Persons nominated must be currently associated with UT Knoxville (part-time or full-time), and faculty and staff nominees cannot be a member on the Committee on the Campus Environment. Persons who have won an Environmental Leadership Award in the past five years are not eligible. Self-nominations are not permitted.
Key date: March 23, 2012 – submission of electronic nomination form
Details: http://utk.edu/go/bn

Conference on energy storage, conversion coming to Knoxville

TN-SCORE is cosponsoring the 2012 Electrochemical Energy and Conversion Forum to be held April 19-20 at the Knoxville Convention Center. Invited speakers from industry and academia will present on state-of-the-art advances in lithium batteries, low-temperature fuel cells, and flow batteries.

The event will include poster sessions for students and networking opportunities with engineers in the nation's electrochemical power industry.

Matthew Mench, UT professor mechanical and chemical engineering, is conference chair. He directs the Fuel Cell Dynamics and Diagnostics Laboratory at UT and has a joint appointment at Oak Ridge National Laboratory.

Other sponsors include the International Association for Hydrogen Energy, the UT College of Engineering, and the National Science Foundation Great Lakes Fuel Cell Education Partnership.
Details: https://utconferences.outreach.utk.edu/ei/getdemo.ei?id=238&s=_4CK0Z3UD1&bulk=y

More events for Research Week

Student Art Competition and Show
March 9 at 6 p.m. through March 18
Ewing Gallery, Art and Architecture Building
The UT School of Art is sponoring the 65th annual Student Art Competition and Show. Jurors are Karen Shaw for fine arts and Amy Koch for architectural and art history essays. Kenneth White, a UT alumnus, will juror the graphic design entries.

Honors Symposium
March 31, 2012
Howard H. Baker Center
All UT Knoxville undergraduates in College Scholars or any campus honors program are eligible to apply to present at the day-long symposium.
NOTE: Applications can be submitted through March 9, 2012, electronically (undresearchutk@gmail.com) or on paper at Melrose F101.
Details: http://honors.utk.edu

IRB certification will be required after April 15

Beginning April 15, 2012, the UT Institutional Review Board will require that all personnel listed on a human subjects application be certified in human-subjects research.

The requirement is designed to promote best practices in the protection of human subjects and to provide the UT campus with ways to document continuing education in IRB issues.

Information about registration, training access, and certification is available by contacting ortraining@utk.edu.

Faculty, staff, or students involved with sponsored research funded by an outside agency should use the Collaborative Institutional Training Initiative (CITI) training on human subjects and should be sure to affiliate with UT Knoxville. Students and faculty doing nonsponsored research can use the online training available through UT Knoxville's Blackboard program by contacting ortraining@utk.edu.
Details: http://research.utk.edu/training/

QUEST NEWS AND OPPORTUNITIES
Research, Scholarship, Creative Activity

Gates Foundation adds new opportunties

The Bill & Melinda Gates Foundation has announced a new round of grant opportunities that offer the possibility of doing innovative work on health issues of global importance.

Grand Challenges Explorations

The latest Gates Grand Challenges request for proposals includes two new solicitations for innovative and unconventional global health and development solutions:

- Design New Approaches to Optimize Immunization Systems
- Explore New Solutions in Global Health Priority Areas
- Protect Crop Plants from Biotic Stresses from Field to Market

New initiatives:

- New Approaches for the Interrogation of Anti-Malarial Compounds. This topic is to support unconventional and radically new approaches, methods, and assays to analyze, characterize, and prioritize anti-malarial compounds and gather information for developing the next generation of malaria drugs.
- Aid Is Working. Tell the World. This new topic seeks revolutionary ways to make aid issues matter to the global community, that provide new ways to collect and share first-person stories from people affected by aid in the developing world. It may involve data collection and visualization, creative ways to distribute stories, and concepts that spark active engagement and collaborative problem-solving.

Initial grants will be for $100,000, and projects showing promise will be eligible for up to $1 million in additional funding. Applicants can be at any experience level in any discipline and from any organization.
Key date: May 15, 2012 – online submission of proposals
Details: www.grandchallenges.org/explorations

Saving Lives at Birth

This is the second call for innovative prevention and treatment approaches for pregnant women and newborns in poor, hard-to-reach communities. Focuses will be on transformative approaches in science and technology, service delivery, and demand-side innovation.
Key date: April 2, 2012 – submission of proposal
Details: www.savinglivesatbirth.net

Grand Challenges Canada

Potential investigators may also want to look at Grand Challenges Canada, which is focused on emerging innovators from low-income or lower-middle income countries.
Key date: March 23, 2012 – submission of proposal
Details: http://bit.ly/sFPYsT

Army plans to start regenerative medicine institute

The U.S. Army Medical Research and Materiel Command and related defense, service, and veterans agencies has announced plans to solicit proposals for AFIRM II – the Armed Forces Institute of Regenerative Medicine, a program dedicated to repairing battlefield injuries through the use of regenerative medicine technologies and sciences.

AFIRM II will focus on various aspects of extremity regeneration, craniomaxillofacial regeneration, skin regeneration, composite tissue allotransplantation and immunomodulation, and genitourinary/lower abdomen reconstruction.

AFIRM II is to be funded in federal fiscal year 2013. The formal announcement is expected in March 2012, at which time official deadlines will be published. On publication of the announcement and deadlines, interested applicants must submit a pre-application (letter of intent). The agency has released this pre-announcement to allow interested researchers to prepare for the formal announcement.

Grants.gov will be the venue for the pending announcement and for submission of proposals.

DOD to announce bone marrow research initiative

The U.S. Department of Defense through the Army Medical Research and Materiel Command plans to announce a solicitation for innovative research into bone marrow failure.

The official announcement is expected in March 2012 and will include Idea Awards of up to $360,000 and postdoctoral fellowship training awards.

A pre-application will be required, the deadline for which will be announced when the solicitation is published.
Details: http://cdmrp.army.mil/pubs/press/2012/12bmfrppreann.shtml

Undergraduate research experiences are plentiful across nation

A number of institutions across the country are offering research experiences for undergraduates in summer 2012. Faculty who have undergrad students who might benefit from exposure to undergraduate research opportunities at other universities can pass along this information appropriately.

Virginia Tech
"Hands-on Minds-on": Multidisciplinary Approaches to Understanding and Preventing Societal Violence

May 21-July 27
$4,500 stipend plus travel, housing, and meals

An interdisciplinary program funded by the National Science Foundation that will include scholars from engineering, liberal arts and human sciences, and science in the study of societal violence. Topics may include the socialization of children's emotions, bullying prevention through actively caring, reinforcing anti-violence attitudes through exposure to violent media content, and social technology and conflict.
Key date: March 30, 2012 – deadline for application
Details: Contact Diana M. Ridgwell (dridgwel@vt.edu)

Rutgers
Research in Science and Engineering (RiSE)

Date unspecified
$4,000 stipend plus travel, housing, and meals

An opportunity to participate in research projects in the sciences (biological, physical, and social), math, engineering, and interdisciplinary studies.
Key date: Deadline is open. Participants are chosen as applications come in.
Details: http://rise.rutgers.edu/

Evolution 2012
Undergraduate Diversity at SSE/SSB 2012

A program to increase the number of undergraduate students from underrepresented groups at the Evolution meeting of the Society for the Study of Evolution and Society of Systematic Biologists to be held in Ottowa, Canada, July 6-10, 2012.

The program is led and funded by the National Evolutionary Synthesis Center (NESCent).
Key date: March 30, 2012 – submission of online application
Details: http://oeb.harvard.edu/faculty/edwards/community/application.html
www.nescent.org/evo2012undergradapp

Summer Internship with the Center for Democracy in the ACLU's National Office in NYC

This summer internship requires a commitment of 8 to 12 weeks. Interns are highly encouraged to obtain funding from outside sources, as the internship is unpaid. Arrangements can be made for work/study or course credit. Interns will work under the direct supervisio of the DVD's paralegals and will gain experience by working on the following:

- Assisting with factual research on issues relating to national security, human rights, and free speech, privacy and technology.
- Providing assistance in the preparation, production and development of advocacy materials.
- Providing assistance with litigation and advocacy projects.
- Other projects as assigned.

Key date: March 31, 2012 - deadline for application
Details: http://www.feminist.org/911/jobs/jobdescription.asp?jobID=28217

THE UNIVERSITY of TENNESSEE UT KNOXVILLE

The University of Tennessee, Knoxville, is an EEO/AA/Title VI/Title IX/Section 504/ADA/ADEA institution.
QUEST News & Opportunities is published on alternate weeks for the faculty of UT Knoxville by the Office of Research with assistance from Creative Communications. Job #9195
Contact: Bill Dockery, dockeryb@utk.edu, 865-974-2187. Archived at http://research.utk.edu/news