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News and Opportunities

Office of Research & Engagement

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University of Tennessee Office of Research

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Steven H. Sandell Grant Program

This Boston College Center for Retirement Research program is funded by the U.S. Social Security Administration (SSA) to provide opportunities for scholars from all academic disciplines and senior scholars working in a new area to pursue cutting-edge research projects on retirement income and disability insurance issues.

Deadline: January 30, 2009

More information: http://crr.bc.edu/index.php?option=com_content&task=view&id=122&Itemid=23

Theodore C. Sorensen Fellowship

Scholars are invited to apply for the Theodore C. Sorensen Research Fellowship, administered by the John F. Kennedy Library Foundation. The Sorensen Fellowship carries a stipend of up to \$3,600. It is intended to support a scholar in the production of a substantial work in the areas of domestic policy, political journalism, polling, press relations or a related topic.

Deadline: March 15, 2009

More information: www.jfklibrary.org/JFK+Library+and+Museum/Kennedy+Library+Foundation/Programs+and+Library+Support/Research+Grants+and+Fellowships/Theodore+C.+Sorensen+Fellowship.htm

Unsolicited Grant Opportunities

The U.S. Dept. of Education's Institute of Education Sciences is considering unsolicited applications for projects that support rigorous education statistics, research, and evaluation in order to provide information about the condition of education.

Deadline: February 27, 2009

More information: <http://ies.ed.gov/funding/unsolicited.asp>

Collaboration in Mathematical Geosciences (CMG)

The purpose of the NSF Collaboration in Mathematical Geosciences (CMG) activity is to enable collaborative research at the intersection of mathematical sciences and geosciences, and to encourage cross-disciplinary education.

Deadline: Proposals must be submitted between February 24 and March 10, 2009. (NOTE: Proposals must be submitted to UTOR by 8 a.m. five full business days before the agency deadline.)

More information: www.nsf.gov/pubs/2009/nsf09520/nsf09520.htm?govDel=USNSF_25

Quarterly report will tally sponsored-programs data

The UT Office of Research is starting a quarterly newsletter that will report on the campus' progress in acquiring external funding.

The report will compare year-to-date progress in areas such as numbers of proposals submitted, total dollar amounts submitted, the number of awards, the total dollar amount of the awards, the sponsored expenditures and overhead generated per dollar of university investment, sponsored expenditures and overhead generated per square-foot of research space, and sponsored expenditures per state-supported faculty.

The information will be arranged by college, and all campus-level centers and institutes will be a single item. These will be presented as five-year trends covering the same YTD period. The report will also list the twenty largest awards.

These reports are intended to keep the research community informed on the progress and success of the externally funded research program. Since each college is in a different research funding market, the trend over time is more important than the magnitude.

The fourth-quarter report of the year will also constitute the annual report of the campus externally funded profile. Watch your mailbox for a newsletter color that is not green or yellow.

OPPORTUNITIES

Internal statement of interest needed for popular NSF programs

The UT Office of Research is handling several NSF proposals that have submission limits and may require internal competitions.

If you are interested in preparing a proposal for any of the following programs, you must notify Bill Dockery (dockeryb@utk.edu) and Jim Mazzouccolo (jmazzouc@utk.edu) by e-mail no later than December 19, 2008, at 12 noon. Please include the NSF acronym in the subject header of your message. You will be notified by December 30 if an internal competition will be necessary.

NSF PREM 09

NSF PAESMEM 09

NSF IGERT 09

Partnerships for Research and Education in Materials (PREM)

The NSF sponsors PREM to broaden participation and enhance diversity in materials research and education by stimulating the development of formal, long-term, multi-investigator, collaborative research and education partnerships between minority-serving colleges and universities, women's colleges, and colleges and universities dedicated to educating a majority of students with disabilities, groups that are underrepresented in science, technology, engineering, and mathematics (STEM) and the NSF Division of Materials Research (DMR)-supported centers and/or facilities.

Limited submission: The NSF will accept only two lead applications from the University of Tennessee as accredited. Researchers interested in submitting a proposal to this program should notify Bill Dockery (dockeryb@utk.edu) and Jim Mazzouccolo (jmazzouc@utk.edu) immediately with a statement of interest in an e-mail message with "NSF PREM 09" in the subject header.

Deadlines: Statement of interest, December 19, 2008, at 12 noon; competition announcement (depending on interest), December 30, 2008; deadline to UTOR, February 27, 2009 before 8 a.m.

More information: www.nsf.gov/pubs/2009/nsf09518/nsf09518.htm

Presidential Awards for Excellence in Science, Mathematics and Engineering Mentoring (PAESMEM)

The National Science Foundation's PAESMEM program seeks to identify outstanding mentoring efforts that enhance the participation of groups that are underrepresented in science, technology, engineering, and mathematics. The awardees serve as leaders in the national effort to develop fully the nation's human resources in science, technology, engineering, and mathematics.

Limited submission: The University of Tennessee as accredited can nominate only one person or organization for the award.

Deadlines: Persons interested in being nominated should notify the UT Office of Research (dockeryb@utk.edu or jmazzouc@utk.edu) by December 19, 2008, at 12 noon; competition announcement (depending on interest), December 30, 2008; deadline to UTOR, February 25, 2009 at 8 a.m.

More information: www.nsf.gov/pubs/2004/nsf04525/nsf04525.htm

Integrative Graduate Education and Research Traineeship Program (IGERT)

The NSF is soliciting for its 2009 IGERT awards program. The Integrative Graduate Education and Research Traineeship (IGERT) program has been developed to meet the challenges of educating U.S. Ph.D. scientists and engineers who will pursue careers in research and education, with the interdisciplinary backgrounds, deep knowledge in chosen disciplines, and technical, professional, and personal skills to become, in their own careers, leaders and creative agents for change.

Limited submission: UT Knoxville as accredited can submit only **four** preliminary proposals to the IGERT program. Preliminary proposals are required, and submission of full proposals in mid-2009 is by invitation only.

Deadlines: Internal statement of interest via e-mail to Bill Dockery (dockeryb@utk.edu) and Jim Mazzouccolo (jmazzouc@utk.edu) by December 19, 2009, at 12 noon (put "NSF IGERT 09" in subject header); competition announcement (depending on interest), December 30, 2008; preliminary proposal to UTOR by March 9, 2009, at 8 a.m.

More information: www.nsf.gov/pubs/2009/nsf09519/nsf09519.htm?govDel=USNSF_25



National Science Foundation

Suite of NSF programs solicit STEM education for underserved populations

The National Science Foundation has again advertised a complex of programs that provide support for educational efforts in science and technology. These programs are complex, multipart, and interrelated. **Deadlines for various programs and subprograms vary from late December 08 through August 09, with many programs having February 09 deadlines.** Faculty who are interested in one or more of these programs should read the solicitations carefully, paying special attention to deadlines, letters of intent, preliminary proposals, and submission limits. Please consult with the Office of Research if you have questions.

CREST

Centers for Research Excellence in Science and Technology HBCU RISE

Research Infrastructure for Science and Engineering

The Centers of Research Excellence in Science and Technology (CREST) program makes resources available to enhance the research capabilities of minority-serving institutions through the establishment of centers that effectively integrate education and research.

www.nsf.gov/pubs/2009/nsf09510/nsf09510.htm?govDel=USNSF_29

ITEST

Innovative Technology Experiences for Students and Teachers

The ITEST program responds to current concerns and projections about the growing demand for professionals and information technology workers in the U.S. and seeks solutions to help ensure the breadth and depth of the STEM workforce.

www.nsf.gov/pubs/2009/nsf09506/nsf09506.htm?govDel=USNSF_29

MSP

Math and Science Partnership

The Math and Science Partnership (MSP) program is a major research and development effort that supports innovative partnerships to improve K-12 student achievement in mathematics and science. MSP projects are expected to raise the achievement levels of all students and significantly reduce achievement gaps in the mathematics and science performance of diverse student populations.

www.nsf.gov/pubs/2009/nsf09507/nsf09507.htm?govDel=USNSF_29

ABP (LSAMP, LSAMP-BD, AGEP)

Alliances for Broadening Participation in STEM (and related programs Louis Stokes Alliances for Minority Participation, Bridge to the Doctorate, and Alliances for Graduate Education and the Professoriate)

This portfolio of programs seek to increase the number of students successfully completing quality degree programs in science, technology, engineering and mathematics (STEM). Particular emphasis is placed on transforming STEM education through innovative academic strategies and experiences in support of groups that historically have been underrepresented in STEM disciplines: African Americans, Alaskan Natives, Native Americans, Hispanic Americans, and Native Pacific Islanders.

www.nsf.gov/pubs/2009/nsf09515/nsf09515.htm?govDel=USNSF_25

Faculty interest in the ABP should also note the associated NSF "Dear Colleague" letter: www.nsf.gov/pubs/2009/nsf09015/nsf09015.jsp?govDel=USNSF_25

Robert Noyce Teacher Scholarship Program

The Robert Noyce Teacher Scholarship Program seeks to encourage talented science, technology, engineering, and mathematics majors and professionals to become K-12 mathematics and science teachers. The program provides funds to institutions of higher education to support scholarships, stipends, and academic programs for undergraduate STEM majors and post-baccalaureate students holding STEM degrees who commit to teaching in high-need K-12 school districts.

www.nsf.gov/pubs/2009/nsf09513/nsf09513.htm?govDel=USNSF_25

GSE

Research on Gender in Science and Engineering

The Research on Gender in Science and Engineering program supports efforts to understand and address gender-based differences in science, technology, engineering, and mathematics (STEM) education and workforce participation through research, the diffusion of research-based innovations, and extension services in education that will lead to a larger and more diverse domestic science and engineering workforce.

www.nsf.gov/pubs/2009/nsf09511/nsf09511.htm

RDE

Research in Disabilities Education

The Research in Disabilities Education (RDE) program seeks to broaden the participation and achievement of people with disabilities in all fields of science, technology, engineering, and mathematics (STEM) education and associated professional careers.

www.nsf.gov/pubs/2009/nsf09508/nsf09508.htm?govDel=USNSF_29

HBCU-UP

Historically Black Colleges and Universities Undergraduate Program

This program provides awards to enhance the quality of undergraduate science, technology, engineering, and mathematics (STEM) education and research at Historically Black Colleges and Universities (HBCUs) as a means to broaden participation in the nation's STEM workforce.

www.nsf.gov/pubs/2009/nsf09512/nsf09512.htm?govDel=USNSF_29

TCUP

Tribal Colleges and Universities Program

This program provides awards to enhance the quality of science, technology, engineering and mathematics (STEM) instructional and outreach programs at tribal colleges and universities, Alaskan Native-serving institutions and Native Hawaiian-serving institutions.

www.nsf.gov/pubs/2009/nsf09509/nsf09509.htm

The above programs also participate in an overarching program known as **Innovation through Institutional Integration** or I³.

I³ projects enable faculty, administrators and others in institutions to think and act strategically about the creative integration of NSF-funded awards, with particular emphasis on awards managed through programs in the Directorate for Education and Human Resources (EHR), but not limited to those awards.

More information: www.nsf.gov/pubs/2008/nsf08027/nsf08027.jsp

NSF 2010 Project

The Directorate for Biological Sciences of the National Science Foundation will continue support of research to determine the functions of all genes in the model plant *Arabidopsis thaliana* by the year 2010. In the final two years, the program will continue to support genome-wide analyses and research on biological networks using high throughput methods and integrating modeling with experimental data.

Deadlines: February 18, 2009 and January 12, 2010. (NOTE: Proposals through UTOR must be submitted by 8 a.m. five business days in advance of the due date.)

More information: www.nsf.gov/pubs/2009/nsf09514/nsf09514.htm?govDel=USNSF_25

Earth Sciences: Instrumentation and Facilities (EAR/IF)

The NSF Instrumentation and Facilities Program in the Division of Earth Sciences will consider proposals for (1) Acquisition or Upgrade of Research Equipment, (2) Development of New Instrumentation, Analytical Techniques or Software, (3) Support of National or Regional Multi-User Facilities that will make complex and expensive instruments or systems of instruments broadly available, (4) Development of Cyberinfrastructure for the Earth Sciences (Geoinformatics).

Deadlines: February 23, 2009; July 8, 2009; February 10, 2010.

More information: www.nsf.gov/pubs/2009/nsf09517/nsf09517.htm?govDel=USNSF_32