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Office of Research, News & Opportunities, December 10, 2008

University of Tennessee Office of Research

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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 list the twenty largest.

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.

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


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.


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.

Deadline: 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.


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.

Deadline: Persons interested in being nominated should notify the UT Office of Research (dockeryb@utk.edu or jmazzouc@utk.edu) by December 18, 2008, at 12 noon; competition announcement (depending on interest) December 30, 2008; deadline to UTOR, February 25, 2009 at 8 a.m.


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.

Deadline: 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.

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, multiple, and interrelated. Deadlines for various programs and subprograms vary from late December 8 through August 9, with many programs having February 9 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 (CREST)

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 actively integrate education with research.


ITEST
Innovative Technology Experiences for Students and Teachers (ITEST)

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.


MSP
Math and Science Partnership (MSP)

The Math and Science Partnership (MSP) program is a major re-search 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.


ABP
Alliances for Broadening Participation in STEM (and related programs)

This portfolio of programs seek to increase the number of students successfully completing 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.


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.


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.


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.


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) instruction at Historically Black Colleges and Universities (HBCUs) as a means to broaden participation in the nation’s STEM workforce.


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.


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.)


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).


The University of Tennessee, Knoxville, is an EEO/AA/Title V/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 #9899

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