

RESEARCH ENTERPRISE

October 10, 2006

The *RESEARCH ENTERPRISE* is the new mode of communication from the IUPUI Office of Research and Sponsored Programs (R&SP). The *ENTERPRISE* is published monthly, distributed by e-mail, and contains time sensitive research information as well as links to information on grants and contracts, funding opportunities, research compliance, and research centers. This information is in the process of being reorganized and will be updated monthly. The Office of Research and Sponsored Programs appreciates your feedback on this publication.

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EVENTS

GRANT WRITING WORKSHOP

The annual GRANT WRITING WORKSHOP will be held on November 13, 2006 on the IUPUI campus. This workshop has previously been sponsored exclusively by the IU School of Medicine. This year, for the first time, the workshop is co-sponsored by the IUPUI Research and Sponsored Programs Office in order to encourage investigators from all over the IUPUI campus to take advantage of this outstanding opportunity. This workshop is appropriate for all investigators who are contemplating a competitive application to federal or state agencies or foundations. The workshop emphasizes idea development, how to write for grant reviewers and tips and strategies for proposal preparation. For a detailed description of the workshop and registration instructions please go to: <http://cme.medicine.iu.edu/?id=24177>.

UPDATES

IDENTIFYING FUNDING OPPORTUNITIES

On-line search tools are available to IUPUI investigators who are interested in identifying funding opportunities in their areas of interest. Several are listed below:

Community of Science (COS): COS is a primary on-line search tool for identifying funding opportunities. To take advantage of this powerful tool, register at <http://www.cos.com/login/join.shtml>. Once you have completed the short registration process, you can personalize your search by selecting the option entitled "launch your workbench". You can search for funding opportunities using key terms and save the results of up to 20 searches and have them directly delivered to you weekly via email.

National Institutes of Health (NIH) "NIH Guide": To take advantage of this tool, register at <http://grants.nih.gov/grants/guide/listserv.htm>. It allows you to receive discipline specific funding opportunities that are delivered to you weekly via email.

National Science Foundation (NSF) “ MyNSF”: To take advantage of this tool register at <http://www.nsf.gov/mynsf/>. It allows you to receive discipline specific funding opportunities that are delivered to you weekly via email.

Limited Submission Funding Opportunities

Occasionally a funding agency places a limitation on the number of proposals that can be submitted from a campus or university system. For a description of the upcoming “limited submission” funding opportunities, guidelines and application forms, go to: <http://www.srs.indiana.edu/LimSub/LimSub.asp>. Questions can be directed to Etta Ward at emward@iupui.edu or 317.278.8427.

DID YOU KNOW?

CAMPUS RESEARCH FACTS:

The success rate of IUPUI investigators in obtaining NIH funding for new grant proposals (23.5%) was greater than the NIH average success rate for all new proposals (20.6%) in 2005-2006

64% of the external funding on the IUPUI campus was awarded for research (vs teaching or service) in 2005-2006

56% of the external funding on the IUPUI campus came from federal grants, the majority from the NIH) in 2005-2006

58% of faculty on the IUPUI campus chose research as their area of excellence for promotion and tenure in 2005-2006

NATIONAL RESEARCH FACTS:

The worldwide S&E publications output captured in *Science Citation Index* and *Social Sciences Citation Index* grew from approximately 466,000 articles in 1988 to nearly 700,000 in 2003.

The number of U.S. scientific publications remained essentially flat between 1992 and 2003, causing the U.S. share of world article output to decline from 38% to 30% between 1988 and 2003.

The income to U.S. academic institutions from licensing was more than \$850 million in FY 2003, more than double the amount in FY 1997, and new licenses and options increased by more than 40% during this period.

FUNDING OPPORTUNITIES

NATIONAL INSTITUTES OF HEALTH

Biological Response Indicators of Environmental Stress (U01) and Stress Centers (U54)

Designed to develop and refine panels of biomarkers of biological response to environmental stressors and development, confirmation, and application of innovative biomarkers and biosensors. Application deadline is December 23, 2006.

(U01) <http://grants.nih.gov/grants/guide/rfa-files/RFA-ES-06-013.html>

(U54) <http://grants.nih.gov/grants/guide/rfa-files/RFA-ES-06-012.html>

Business Innovation Research

NIH, CDC, and FDA Small Business Innovation Research Grant applications are solicited. Application deadline is December 1, 2006. <http://grants.nih.gov/grants/guide/pa-files/PA-06-120.html>

Centers for Education and Research on Therapeutics (U18)

Designed to increase awareness of: (1) new uses of drugs, biological products, and devices; (2) ways to improve the effective use of drugs, biological products, and devices; and (3) risks of new uses and risks of combinations of drugs and biological products. Application deadline is December 14, 2006 <http://grants.nih.gov/grants/guide/rfa-files/RFA-HS-07-004.html>

Centers of Research Translation (CORTs) (P50)

The National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS) invites applications for Centers of Research Translation (CORTs) (P50). Application deadline is December 22, 2006. <http://grants.nih.gov/grants/guide/rfa-files/RFA-AR-06-003.html>

Consumer Assessment of Healthcare Providers and Systems (CAHPS) III (U18)

Develop and test ways that organizations can use CAHPS data for quality improvement purposes; conduct research on strategies for reporting CAHPS results to consumers, patients, and other audiences. Application deadline is December 18, 2006. <http://grants.nih.gov/grants/guide/rfa-files/RFA-HS-07-001.html>

Culturally Appropriate Research to Prevent HIV Transmission and Infection in Young People (R01, R03)

Designed to support research that incorporates an in-depth understanding of cultural appropriateness to HIV prevention research among young people in the United States or abroad. Application deadline is December 21, 2006. <http://grants.nih.gov/grants/guide/rfa-files/RFA-NR-07-003.html>

Engineering Approaches to Energy Balance

The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the Office of Behavioral and Social Sciences Research (OBSSR) seek applications to develop new engineering approaches to clinical problems related to energy balance, intake, and expenditure. Application deadline is December 22, 2006. <http://grants.nih.gov/grants/guide/pa-files/PA-06-358.html>

Genome-wide Association Studies in the Genes and Environment Initiative - Genotyping Facilities (U01), Study Investigators (U01), Coordinating Center (U01)

Designed to support Genotyping Facilities, investigative groups conducting genome-wide association (GWA) genotyping and/or replication studies, and Centers serving as a centralized resource for genome-wide association studies.

Genotyping Facilities (U01) <http://grants.nih.gov/grants/guide/rfa-files/RFA-HG-06-014.html>
Study Investigators (U01) <http://grants.nih.gov/grants/guide/rfa-files/RFA-HG-06-033.html>
Coordinating Center (U01) <http://grants.nih.gov/grants/guide/rfa-files/RFA-HG-06-032.html>

Lung Complications associated with HIV (R01)

Designed to accelerate research on lung complications associated with HIV-infection. Application deadline is December 19, 2006. <http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-07-008.html>

Manufactured Nanomaterials: Physico-chemical Principles of Biocompatibility and Toxicity (R01)

Designed to encourage research on the physico-chemical interaction of manufactured nanoscale materials with mammalian systems. Application deadline is January 12, 2007. <http://grants.nih.gov/grants/guide/rfa-files/RFA-ES-06-008.html>

Near-Term Technology Development for Genome Sequencing (R01, R03, R21/33)

Designed to encourage development of novel technologies that will substantially reduce the cost of genomic DNA sequencing. Application deadline is November 24, 2007.

<http://grants.nih.gov/grants/guide/rfa-files/RFA-HG-06-015.html>

Revolutionary Genome Sequencing Technologies – The \$1000 Genome (R01, R03, R21/33)

Designed to develop novel technologies that will enable extremely low-cost DNA sequencing. Application deadline is November 24, 2006

<http://grants.nih.gov/grants/guide/rfa-files/RFA-HG-06-020.html>

Science Education Partnership Awards (SEPA)

The National Center for Research Resources (NCRR) invites applications for Science Education Partnership Awards (SEPA) that foster the development of novel programs to improve K-12 and the general public's understanding of the clinical trial process as well as the health science advances. Application deadline is November 29, 2006. .

<http://grants.nih.gov/grants/guide/pa-files/PA-06-549.html>

The National Institute of Environmental Health Sciences (NIEHS) Superfund Basic Research and Training Program (SBRP) (P42)

Designed to support coordinated, multi-project, multi- and interdisciplinary research programs for the development of 1) methods and technologies to detect hazardous substances in the environment; (2) advanced techniques for the detection, assessment, and evaluation of the effect on human health of hazardous substances; (3) methods to assess the risks to human health presented by hazardous substances; and (4) basic biological, chemical, and physical methods to reduce the amount and toxicity of hazardous substances. Application deadline is March 22, 2007.

<http://grants.nih.gov/grants/guide/rfa-files/RFA-ES-06-003.html>

NATIONAL SCIENCE FOUNDATION**Computational Mathematics**

Designed to support mathematical research in areas of science where computing plays a central and essential role, emphasizing algorithms, numerical methods, and symbolic methods. Application deadline is December 7, 2006.

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5390

Environmental Genomics

Designed to support investigations that use genomic information and tools to further our understanding of how organisms of all types (plants, animals, and microbes) interact with their environments. Application deadline is January 29, 2007.

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13680&org=NSF&sel_org=NSF&from=fund

Human and Social Dynamics

Designed to increase understanding the dynamics of human action and development, as well as knowledge about organizational, cultural, and societal adaptation and change. Application deadline is January 23, 2007. http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf06604

Thermal Transport and Thermal Processing

Designed to increase understanding of thermal phenomena underlying the production of energy, the synthesis and processing of materials, the cooling and heating in equipment and devices, the interaction of industrial processes with the environment, and the thermal phenomena in biological systems. No deadline. <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10670>

DEPARTMENT OF AGRICULTURE**National Research Initiative (NRI) Competitive Grants**

Designed to support high priority fundamental and mission-linked research of importance in the biological, environmental, physical, and social sciences relevant to agriculture, food, the environment, and rural communities. Application deadlines are set for each program area.
<http://www.csrees.usda.gov/fo/fundview.cfm?fonum=1606>

DEPARTMENT OF ENERGY

US Department of Energy

Applications are sought for the Annual Phase I Small Business Innovation Research (SBIR) Small Business Technology Transfer (STTR) Funding Opportunity Announcement Grant. Application deadline is November 17, 2006
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10660>

ENVIRONMENTAL PROTECTION AGENCY

Environmental Indicators

The U.S. Environmental Protection Agency (EPA) seeks applications proposing research that uses existing databases of environmental (ambient), biological and/or health-related data to develop indicators that reliably signal the impact of changes in environmental conditions, management approaches or policies on human health. Application deadline is December 6, 2006. http://es.epa.gov/ncer/rfa/2006/2006_star_ephi.html

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