



RESEARCH ENTERPRISE

August 22, 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 faculty 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 great grantsmanship.

Registration: <http://cme.medicine.iu.edu/?id=24177>

GRANT OPPORTUNITIES- NATIONAL INSTITUTES OF HEALTH

AGING - NUCLEAR RECEPTORS (R01, R21)

The National Institutes of Health (NIH) will support research into underlying biologic mechanisms involving nuclear receptors, their co-regulators and intracellular signaling systems in the process of aging and the connections of the aging process with pathophysiology in middle- and old-age. Standard NIH deadlines apply <http://grants1.nih.gov/grants/funding/submissionschedule.htm>.
R01 <http://grants.nih.gov/grants/guide/pa-files/PAS-06-467.html>
R21 <http://grants.nih.gov/grants/guide/pa-files/PAS-06-466.html>

CANCER RESEARCH EXCELLENCE (P50)

The Organ Systems Branch of the Office of Centers, Training, and Resources, Office of the Director, National Cancer Institute of the National Institutes of Health (NIH) invites grant applications for Specialized Programs of Research Excellence (SPOREs) in organ-specific cancers. Applicant institutions are to demonstrate their ability to conduct translational research in the prevention, etiology, screening, diagnosis, and treatment of leukemias, lymphomas, myelomas, and/or cancers of the brain, breast, gastrointestinal (GI) system, genitourinary (GU) system, gynecologic (GYN) system, head & neck, lung, ovary, pancreas, prostate, and/or skin. Applications are due by January 23, 2007; May 22, 2007; and September 21, 2007.
<http://grants.nih.gov/grants/guide/pa-files/PAR-06-505.html>

CIRCULATING CELLS IN CANCER DETECTION (P50)

The National Cancer Institute (NCI) of the National Institutes of Health (NIH) has announced the expansion of funding opportunities centered on Circulating Cells in Cancer Detection. The "Exfoliated Cells and Circulating DNA in Cancer Detection and Diagnosis" initiative comprises three Funding Opportunity Announcements (FOAs). All three FOAs are closely related in terms of their scientific scope, but they involve different funding mechanisms with distinct submission requirements.
<http://grants.nih.gov/grants/guide/notice-files/NOT-CA-06-034.html>

DRUG AND ALCOHOL ABUSE- BEHAVIORAL AND INTEGRATIVE TREATMENT DEVELOPMENT PROGRAM (R01, R03, R21)

The National Institutes on Drug Abuse (NIDA), the National Institute on Alcoholism and Alcohol Abuse (NIAAA), and the National Center for Complementary and Alternative Medicine (NCCAM) of the National Institutes of Health (NIH) seek applications to support behavioral and integrative treatment research that will have a meaningful impact on improving treatment

for drug and alcohol abuse and dependence. Standard NIH deadlines apply <http://grants1.nih.gov/grants/funding/submissionschedule.htm>.

R01 <http://grants.nih.gov/grants/guide/pa-files/PA-06-486.html>

R03 <http://grants.nih.gov/grants/guide/pa-files/PA-06-488.html>

R21 <http://grants.nih.gov/grants/guide/pa-files/PA-06-487.html>

IMMUNE FUNCTION (R01, R21)

The National Center for Complementary and Alternative Medicine (NCCAM) and the National Cancer Institute (NCI) of the National Institutes of Health (NIH) seek to encourage mechanistic studies of complementary and alternative medicine (CAM) modalities believed to modulate immune function.

Applications are due by December 13, 2006.

R01 <http://grants.nih.gov/grants/guide/rfa-files/RFA-AT-06-004.html>

R21 <http://grants.nih.gov/grants/guide/rfa-files/RFA-AT-06-005.html>

OCCUPATIONAL HEALTH AND SAFETY (T42)

The National Institute for Occupational Safety and Health (NIOSH) / Center for Disease Control and Prevention (CDC) of the National Institutes of Health (NIH) invites grant applications for Education and Research Centers (ERC) that are focused on occupational safety and health training and research training. ERCs are academic institutions that provide interdisciplinary graduate training and continuing education in the core occupational safety and health areas of industrial hygiene (IH), occupational health nursing (OHN), occupational medicine residency (OMR), occupational safety (OS), as well as other closely related occupational safety and health (OSH) fields. Applications are due by September 13, 2006.

<http://grants1.nih.gov/grants/guide/pa-files/PA-06-485.html>

OCCUPATIONAL HEALTH AND SAFETY TRAINING PROJECT GRANTS (T01, T02, T03, T15)

The National Institute for Occupational Safety and Health (NIOSH) / Center for Disease Control and Prevention (CDC) of the National Institutes of Health (NIH) invites training project grant (TPG) applications that are focused on occupational safety and health training. Applications are due by August 24, 2006.

<http://grants1.nih.gov/grants/guide/pa-files/PA-06-484.html>

ORAL HEALTH OF WOMEN AND INFANTS (R21)

The National Institute of Dental and Craniofacial Research (NIDCR) of the National Institutes of Health (NIH) solicits Exploratory/Developmental (R21) grant applications proposing to support health promotion research directed at women, before, during and after pregnancy to improve their health and well-being and that of their infant. The focus of this research is an understanding of the target group's health, economic, education and social characteristics, their cultural beliefs, opinions, values, skills and past behaviors, as well as an understanding of the environment in which the intervention will be tested and the individuals who deliver the intervention (dentists, dental hygienists, medical practitioners, nurses, health educators). Applications are due by January 19, 2007.

<http://grants.nih.gov/grants/guide/rfa-files/RFA-DE-07-008.html>

PROTEIN FOLDING DEFECTS (R01, R21)

The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), the National Institutes of Neurological Disorders and Stroke (NINDS), and the National Institute on Aging (NIA) of the National Institutes of Health (NIH) offer support for research designed to identify small molecule reagents that specifically prevent or ameliorate a protein folding or processing defect in simple and complex genetic diseases that are of interest to the participating institutes. Applications are due by January 12, 2007.

R01 <http://grants.nih.gov/grants/guide/pa-files/PA-06-479.html>

R21 <http://grants.nih.gov/grants/guide/pa-files/PA-06-480.html>

SYSTEMS BIOLOGY CENTERS (P50)

The National Institute of General Medical Sciences (NIGMS) of the National Institutes of Health (NIH) requests applications for National Centers for Systems Biology. The goal of the program is to promote institutional development of pioneering research, training, and outreach programs focused on systems level analysis of biological phenomena of biomedical importance. Applications are due by November 21, 2006.

<http://grants.nih.gov/grants/guide/rfa-files/RFA-GM-07-004.html>

TISSUE ENGINEERING AND REGENERATIVE MEDICINE TECHNOLOGIES (R01)

The National Institute of Biomedical Imaging and Bioengineering (NIBIB), the National Heart, Lung, and Blood Institute (NHLBI), the National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), National Institute of Child Health and Human Development (NICHD), the National Institute on Deafness and Other Communication Disorders (NIDCD), and the National

Institute of Dental and Craniofacial Research (NIDCR) of the National Institutes of Health (NIH); the Chemical Science and Technology Laboratory (CSTL) and the Materials Science and Engineering Laboratory (MSEL) of the National Institute of Standards and Technology (NIST); and the Division of Bioengineering and Environmental Systems (BES) of the National Science Foundation (NSF) solicit design or hypothesis driven research applications to promote the development of innovative technologies, tools, methods, and devices that will enable tissue engineering and regenerative medicine. Applications are due by September 20, 2006; January 19, 2007; and May 21, 2007.

<http://grants.nih.gov/grants/guide/pa-files/PAR-06-504.html>

GRANT OPPORTUNITES- NATIONAL SCIENCE FOUNDATION

BIOMOLECULAR SYSTEMS CLUSTER

The National Science Foundation (NSF) invites Biomolecular Systems Cluster studies emphasizing the structure, function, dynamics, interactions, and interconversions of biological molecules. The context for such studies can range from investigations of individual macromolecules to the large-scale integration of metabolic and energetic processes. Research supported by this cluster includes development of cutting-edge technologies integrating theoretical, computational, and experimental approaches to the study of biological molecules and their functional complexes; mechanistic studies of the regulation and catalysis of enzymes and RNA, and higher-order characterization of the biochemical processes by which all organisms acquire, transform, and utilize energy from substrates. Applications are due by January 12, 2007.

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12771&org=NSF&from=fund

CELLULAR SYSTEMS CLUSTER

The National Science Foundation (NSF) Cellular Systems Cluster seeks applications focusing on the structure, function, and regulation of plant, animal and microbial cells, and their interactions with the environment and with one another. Areas supported include studies of the structure, function, and assembly of cellular elements, such as the cytoskeleton, membranes, organelles, intracellular compartments, intranuclear structures, and extracellular matrix, including eukaryotic and prokaryotic cell walls and envelopes. In addition, support is provided for the study of intracellular and transmembrane signal transduction mechanisms and cell-cell signaling processes, including those that occur in biofilms. Research on cellular recognition and self defense mechanisms is included. Applications are due by January 12, 2007.

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12772&org=NSF&from=fund

COMPUTING

The National Science Foundation (NSF) Foundations of Computing Processes and Artifacts (CPA) cluster supports basic research and education projects to advance discovery and application of scientific and engineering knowledge pertaining to the artifacts and processes for building computing and communication systems. Computational artifacts range from formalisms, models, algorithms, theories and languages to hardware/software architectures, technology components and a variety of physical manifestations of implementations. Applications are due by October 10, 2006.

<http://www.nsf.gov/pubs/2006/nsf06585/nsf06585.txt>

ECONOMICS PROGRAM

The National Science Foundation (NSF) Economics program welcomes proposals for individual or multi-investigator research projects, doctoral dissertation improvement awards, conferences, workshops, symposia, experimental research, data collection and dissemination, computer equipment and other instrumentation, and research experience for undergraduates. Applications are due by August 18, 2006.

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5437&org=NSF&from=fund

LAW AND SOCIAL SCIENCE PROGRAM

The Law and Social Science Program at the National Science Foundation (NSF) supports social scientific studies of law and law-like systems of rules, institutions, processes, and behaviors. These can include, but are not limited to, research designed to enhance the scientific understanding of the impact of law; human behavior and interactions as these relate to law; the dynamics of legal decision making; and the nature, sources, and consequences of variations and changes in legal institutions. The primary consideration is that the research shows promise of advancing a scientific understanding of law and legal process. Applications are due by August 15, 2006.

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5422&org=NSF&from=fund

PARTNERSHIPS FOR INTERNATIONAL RESEARCH AND EDUCATION

The National Science Foundation (NSF) Partnerships for International Research and Education (PIRE) seeks to catalyze a cultural change in U.S. institutions by

establishing innovative models for international collaborative research and education. The program will enable U.S. institutions to establish collaborative relationships with international groups or institutions in order to engender new knowledge and discoveries at the frontier and to promote the development of a globally-engaged, U.S. scientific and engineering workforce. Preliminary proposals are due by October 30, 2006.

<http://www.nsf.gov/pubs/2006/nsf06589/nsf06589.htm>

SOCIOLOGY

The National Science Foundation (NSF) Sociology Program invites basic research proposals on all forms of human social organization -- societies, institutions, groups and demography -- and processes of individual and institutional change. The Program encourages theoretically focused empirical investigations aimed at improving the explanation of fundamental social processes. Included is research on organizations and organizational behavior, population dynamics, social movements, social groups, labor force participation, stratification and mobility, family, social networks, socialization, gender roles, and the sociology of science and technology. Applications are due by August 15, 2006; October 15, 2006.

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5369&org=NSF&from=fund

GRANT OPPORTUNITES- DEPARTMENT OF DEFENSE

RESEARCH INSTRUMENTATION

The Department of Defense University Research Instrumentation Program (DURIP) for science, mathematics and engineering.

Applications due: September 12, 2006

http://www.afosr.af.mil/Documents/funding_DURIP07BAA-f1a.pdf

UPDATES

OCTOBER 15 IS THE DEADLINE FOR RESEARCH SUPPORT FUND GRANT (RSFG) APPLICATIONS

The Research Support Funds Grant (RSFG) program is designed to enhance the research mission of IUPUI by supporting research projects and scholarly activities that are sustainable through external funding. The next Research Support Fund Grant (RSFG) application deadline is October 15, 2006. Grant guidelines and application forms are available at

<http://www.iupui.edu/%7Eeresgrad/spon/funding-university.htm>. To access this information, scroll down the left side of the page to locate this opportunity and

click on the identified links. Any questions can be directed to Etta Ward at emward@iupui.edu or 317.278.8427.

OCTOBER 15 IS THE DEADLINE FOR THE INTERNATIONAL DEVELOPMENT FUND (IDF) GRANT APPLICATIONS

The IUPUI International Development Fund (IDF) Grant program is designed to stimulate international activities that will lead to external funding. The next IDF grant application deadline is October 15, 2006. Grant guidelines and application forms are available at <http://www.iupui.edu/%7Eeresgrad/spon/funding-university.htm>. To access this information, scroll down the left side of the page to locate this opportunity and click on the identified links. Any questions can be directed to Etta Ward at emward@iupui.edu or 317.278.8427.

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