

IUPUI OFFICE OF THE VICE CHANCELLOR FOR RESEARCH

RESEARCH ENTERPRISE

July 15, 2008

The *RESEARCH ENTERPRISE* is the electronic mode of communication from the IUPUI Office of the Vice Chancellor for Research that is published monthly and contains time sensitive research information.

- ANNOUNCEMENTS
- DID YOU KNOW?
- IDENTIFYING FUNDING OPPORTUNITIES
- CURRENT FUNDING OPPORTUNITIES

ANNOUNCEMENTS

NEW VICE CHANCELLOR FOR RESEARCH ASSUMES POST: Dr. Kody Varahramyan assumed his post as the new Vice Chancellor for Research at IUPUI on July 1, 2008. Dr. Varahramyan brings 15 years of academic experience at Louisiana Tech and 10 years of industrial experience at IBM Corporation with him to this critical executive role. He has held academic appointments as Chair of the Electrical Engineering Program, Academic Director of the Electrical Engineering, Computer Science, and Physics Programs, and Associate Dean for Research and Graduate Studies in the College of Engineering and Science. Dr. Varahramyan is delighted about the prospects of growing the research enterprise at IUPUI and looks forward to getting to know the academic community. Look for a special message from the Vice Chancellor for Research in a future issue of the Research Enterprise.

INPUT SOUGHT FOR ENHANCED RESEARCH ENTERPRISE: A new format and enhanced content are under consideration for the *RESEARCH ENTERPRISE*. The academic community is invited to provide suggestions on format and content enhancements. Inputs may be submitted through Etta Ward (emward@iupui.edu).

DID YOU KNOW?

CAMPUS FACTS

Award income (\$275 million) for IUPUI for the first 11 months of fiscal year 2007-2008 was up 21.2% compared to the previous year. For the same period, proposals submitted (\$503 million) were up 23%.

NATIONAL FACTS

One-fifth of the R&D in the United States is performed (primarily by industrial firms) in the seven Midwest states. In fiscal year 2005, the region received \$8.1 billion in federal R&D funds.

Midwestern universities received nearly 16 percent of all federal R&D support to universities, including 20 percent of the National Science Foundation's (NSF) university support in 2005.

The Department of Health and Human Services (HHS) is the largest (\$3.3 billion in 2005) sponsor of R&D in the Midwest. Eighty percent of this went to colleges and universities.

The National Science Foundation (NSF) is the second-largest supporter (\$666 million in FY 2005) of R&D in Midwestern universities.

The Department of Defense is the second-largest federal supporter (\$2.3 billion in FY 2005) of R&D in the Midwest.

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 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 access federal, local, corporate, foundation, nonprofit and other funding opportunities using key terms and save the results of up to 20 searches and have them delivered to you weekly via email.

National Institutes of Health (NIH) "NIH Guide": To take advantage of this search 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 search 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.

Federal Business Opportunities “FedBizOpps”: FedBizOpps is the single government point-of-entry for Federal government procurement opportunities over \$25,000. To take advantage of this search tool, visit <http://vsearch1.fbo.gov/servlet/SearchServlet>. Opportunities found at this site include, but are not limited to, presolicitations and special notices for research and service contracts for specific projects and some national centers and surveys that would not be found in Grants.gov and may not be found in the Community of Science.

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, as well as guidelines and application forms, go to: <http://ovpr.indiana.edu/limsub/limsub.asp> or contact Etta Ward in the IUPUI Office of the Vice Chancellor for Research: emward@iupui.edu or 317.278.8427.

CURRENT FUNDING OPPORTUNITIES

Funding opportunities in this section include selected current grant announcements from federal agencies for **new initiatives and changes to existing programs**. Announcements with limited scope are not listed here but are, instead, sent directly to IUPUI School Deans. For comprehensive coverage of funding opportunities please use the on-line search tools listed above.

NATIONAL INSTITUTES OF HEALTH

MEASURES AND DETERMINANTS OF SMOKELESS TOBACCO USE, PREVENTION, AND CESSATION: Focus is on the factors that mediate initiation, use, and cessation of smokeless tobacco, to understand the relationship of smokeless tobacco with other tobacco products, and to develop methods for studying smokeless tobacco products and related behaviors in humans. Application deadline is November 24, 2008.
<http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-08-024.html>

INTEGRATING BIOBEHAVIORAL AND SOCIOCULTURAL RESEARCH TO PREVENT HIV TRANSMISSION AND INFECTION: Focus is on developing theoretically grounded approaches to prevention of HIV infection and

transmission that incorporate biobehavioral approaches in studies that are culturally appropriate. Intervention and pre-intervention studies are welcomed, but descriptive ethnographic and epidemiological research is still needed in some areas. Standard application deadlines apply.

<http://grants.nih.gov/grants/guide/pa-files/PA-08-188.html>

DEVELOPMENT OF MODELS TO FORECAST MEDICARE EXPENDITURES:

Focus is on developing innovative models to forecast Medicare expenditures, or providing insight on key factors that contribute to Medicare expenditures (e.g. cost growth). Application deadline is October 29, 2008.

<http://grants.nih.gov/grants/guide/rfa-files/RFA-AG-09-007.html>

NATIONAL SCIENCE FOUNDATION

THE SCIENCE AND TECHNOLOGY CENTERS (STC) - INTEGRATIVE

PARTNERSHIPS PROGRAM: The STC Integrative Partnership Program supports innovative, potentially transformative, complex research and education projects that require large-scale, long-term awards. STCs conduct world-class research through partnerships among academic institutions, national laboratories, industrial organizations, and/or other public/private entities, and via international collaborations, as appropriate. They provide a means to undertake important investigations at the interfaces of disciplines and/or fresh approaches within disciplines. Required pre-proposal deadline is September 30, 2008.

http://www.nsf.gov/pubs/2008/nsf08580/nsf08580.htm?govDel=USNSF_25

NATIONAL SCIENCE FOUNDATION (NSF) INDUSTRY/UNIVERSITY COOPERATIVE RESEARCH CENTERS PROGRAM (I/UCRC) - LIMITED

SUBMISSION: The I/UCRCs program develops long-term partnerships among industry, academe, and government. The centers are catalyzed by a small investment from the National Science Foundation (NSF) and are primarily supported by industry center members, with NSF taking a supporting role in their development and evolution. Each center is established to conduct research that is of interest to both the industry and the center. An I/UCRC contributes to the Nation's research infrastructure base and enhances the intellectual capacity of the engineering and science workforce through the integration of research and education. Planning grants are available. The IUPUI internal deadline is November 10, 2008. IUPUI faculty interested in this limited submission opportunity must contact Etta Ward at emward@iupui.edu or 278-8427.

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5501&org=IIP&from=home

CREATIVEIT: Proposals are sought for projects whose objectives are new models of creativity, new models for research and education, or creativity enhancing tools developed in the context of a specific discipline. A project may respond to one or more of the following types of advances. New theoretical models: The synergy of research in creativity and computing can lead to new

computational and/or cognitive models of creativity as ways of searching for problems and solutions. New modes of research: A focus on understanding the role of creative processes or creative professionals in research in computer science and information systems can lead to new modes of research. Innovative educational approaches: Creativity can be a focus for learning environments, such as studio learning, problem-based learning, and informal learning environments, which reward creative thinking. Creativity enhancing tools: Innovation in information technology tools and infrastructure can support and enhance creativity in problem finding as well as problem solving. Application deadline is September 26, 2008.

http://www.nsf.gov/pubs/2008/nsf08572/nsf08572.htm?govDel=USNSF_25

NATIONAL FOUNDATION FOR THE ARTS AND HUMANITIES

COLLABORATIVE RESEARCH GRANTS: Collaborative Research grants support original research undertaken by a team of two or more scholars, or research coordinated by an individual scholar that, because of its scope or complexity, requires additional staff or resources beyond the individual's salary. Eligible projects include research leading to the preparation of scholarly publications that break new ground or offer fresh perspectives; editions of works or documents that are of value to humanities scholars and general readers and have been either previously inaccessible or available only in inadequate editions; annotated translations into English of works that provide insight into the history, literature, philosophy, and scientific and artistic achievements of other cultures; and conferences addressing a specific set of research objectives on a topic of major significance to the humanities. Application deadline is November 4, 2008.

<http://www.neh.gov/grants/guidelines/collaborative.html>

DEPARTMENT OF DEFENSE

DEFENSE ADVANCED RESEARCH PROJECTS AGENCY (DARPA)

COMPUTER SCIENCE STUDY GROUP (CSSG): The DARPA seeks junior faculty with research a interest in computer science, to serve as Principal Investigators to explore novel ideas that lead to fundamental technological advances that benefit the US Department of Defense. The opportunity is for Phase I of the Computer Science Study Group (CSSG), which is a multi-phase developmental and research program. Application deadline is August 11, 2008.

<http://www.darpa.mil/baa/RA08-52.html>

OTHER FUNDING OPPORTUNITIES

ROCHE 10 GIGABASE GRANT PROGRAM: The grant program will award up to 10 gigabases of DNA or cDNA sequencing data to an individual, institution, or

corporation. The winning grant recipient(s) will be responsible for the experimental design, the quality and submission of the appropriate samples, and the analysis and interpretation of the resulting data. Interested parties can submit a proposal (1500 words maximum) outlining the goals of their DNA sequencing or transcriptome analysis project as it relates to their specific research needs. The deadline for grant submission is August 8, 2008. grant.genome-sequencing.com

IUPUI RESEARCH CONTACT INFORMATION

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