

March 16, 2010

INSIDE THIS ISSUE:

- [Letter from the Vice Chancellor for Research](#)
- [Announcements](#)
- [Center Spotlight](#)
- [Student Spotlight](#)
- [Translational Research Impact](#)
- [Recent External Funding Awards](#)
- [OVCR Internal Grant Deadlines](#)
- [OVCR Workshops and Events](#)
- [Other Workshops and Events](#)
- [Current External Funding Opportunities](#)
- [Did You Know?](#)
- [Identifying Funding Opportunities](#)

LETTER FROM THE VICE CHANCELLOR FOR RESEARCH

Dear Colleagues,

I would like to extend a personal invitation to each of you to join us in a celebration of research and discovery at the April 9, 2010 IUPUI Research Day. This event will be held in the Campus Center, on the fourth floor, from 9:00 am to 4:30 pm. The program will include a student (graduate, professional and undergraduate) poster session (9:00 to 11:00 am), presentation by the keynote speaker (1:00 to 2:00 pm), faculty award recognitions (2:00 to 2:15 pm), and concurrent research poster and exhibit sessions, and networking reception (2:15 to 4:40 pm).

This year's keynote speaker is Dr. Steven Beering, Chairman of the National Science Board, the governing Board of the National Science Foundation and Policy Advisors to the President and Congress. Dr. Beering's presentation, entitled *Global Competition in Education and Discovery*, is expected to be of great relevance to faculty, staff, and students, and the broader community.



Vice Chancellor
Kody Varahramyan

The faculty awards will consist of the recognition of the inaugural round of Research Frontiers Trailblazer Award recipients. Moreover, the concurrent research poster and exhibit sessions will showcase research and scholarly activities from across IUPUI. There will also be informational booths for many of the major units that provide resources and programs in support of research and scholarly activity at IUPUI.

Research Day provides an opportunity for the IUPUI faculty, staff, and students, and their academic, industrial, governmental partners, and the broader community, to come together and find out more about the research enterprise at IUPUI, explore new collaborations, and lay the foundation for new partnerships. To obtain more information about Research Day, please go to <http://research.iupui.edu/events/researchday2010/index.html>.

I look forward to seeing all of you at the April 9 Research Day!

Kody Varahramyan
Vice Chancellor for Research

ANNOUNCEMENTS

IUPUI IRB Fee Schedule Revision for Industry and For-Profit Supported Research Studies

The Office of Research Administration (ORA) charges for Institutional Review Board (IRB) review of research studies that are supported by industry or other for-profit companies. Since the last IRB fee structure revision in 2005, the number and complexity of human research protocols at IUPUI and its affiliates have increased

substantially. Because of rising administrative costs, which have resulted from changing regulations, accreditation by the Association for Accreditation of Human Research Protection Programs (AAHRPP), and some new requirements of institutional grants, the fee structure for industry-funded research is now being updated to help meet current needs. Institutions around the nation are facing similar rising costs and have already established comparable IRB charges to adequately recover institutional costs. The increased income will be utilized to offset current budget deficits incurred as a result of unfunded research mandates.

Effective April 1, 2010, the fee schedule for IUPUI/Clarian Institutional Review Board review studies supported by industry or other for-profit sources is as follows:

Type of item	Definition	Fee
Initial, Full Review	New studies requiring review by the convened IRB	\$2500
Initial, Expedited Review	New studies not requiring review by the convened IRB, but which meet applicability for expedited review	\$2000
Initial, Western IRB	New studies submitted to Western IRB NOTE: This is an Indiana University internal processing fee and is not inclusive of fees which may be charged by Western IRB	\$500
Major Amendments	Initial review of amendments which require review by the convened IRB	\$500
Full Board Continuing Reviews	Initial review of continuing reviews which require review by the convened IRB	\$500

The fee applies to for-profit sponsored projects involving human subjects. Contracts that were negotiated prior to April 1, 2010, will be subject to the previous IRB Fee Policy (effective January 1, 2005). Indirect costs will not be calculated on the IRB Review Fee. The fee does not apply if the project recovers full indirect costs at the federally negotiated rate. Investigators and/or departments are responsible for payment of the IRB Review Fee if the sponsor does not ultimately reimburse this fee. There are not anticipated exceptions to the applicability of this fee; however, in rare occasions and under exceptional circumstances, a request for a fee waiver/reduction may be made in writing directly to the Executive Director for Research Compliance.

CENTER SPOTLIGHT

Grant Uses Data to Shape Optimized Decision Making among Legislators and Policy-Makers

The Indiana Family and Social Services Administration awarded Dr. Eric Wright, Professor and Director of the Center for Health Policy, a \$645,680 grant for the State Epidemiology and Outcomes Workgroup (SEOW). The grant is a long-term extension of the Strategic Prevention Framework State Incentive Grant (SPF-SIG), which formed a formal partnership between The Center for Health Policy and the State of Indiana in 2006. Partners also include the Governor’s Office and the Indiana Division of Mental Health and Addiction.

The SEOW, chaired by Dr. Wright, provides a comprehensive epidemiological annual report to the state that profiles substance use and abuse throughout Indiana. In order to capture data that characterizes the entire state, the SEOW has identified 15 standardized data sets from which they can analyze, make maps, draft documents, and ultimately identify top prevention priorities. “The general idea,” explains Dr. Wright, “is to use data to make smarter decisions about prevention funding.” Because of the research and the deep-data analysis the SEOW performs, policy makers and legislators can make funding decisions based on the state’s high-priority needs.



Eric Wright, Ph.D.
Director, Center for Health Policy

“The research is unique because it really is trying to implement a data driven decision making approach,”

says Dr. Wright. With nine state agency representatives and six community representatives, each of the SEOW members assumes responsibility for different domains, re-crafts prevention priorities, and examines the data in a committee structure. Recently, the SEOW has identified alcohol, methamphetamine, and cocaine as high priorities. As a result, funding has targeted counties with the greatest need.

In Dr. Wright's mind this is the ideal civic engagement project. "It's not like we just do the research and hand it to the state," says Dr. Wright who spends a lot of time translating the data to them and helping them with what it means.

"This project is exemplary of how The Center for Health Policy operates," notes Dr. Wright. "It's about the give and take partnership that has to happen to understand the importance and relevance of research. As a member of the academic society, it's our responsibility to serve the community."

The Center for Health Policy employs two full-time professional staff and involves several faculty members and students to work on the project.

STUDENT SPOTLIGHT

Smiles Motivate Student Researcher to Become a Dentist



Click play to learn more about Inessa Levitt and her research.

"I made a decision when I was 11," says Inessa Levitt with a smile on her face, "that I, for sure, wanted to be a dentist." Levitt, 20, a pre-dental student with a concentration in biology, was born in Russia and moved to the United States when she was 10. Her inspiration to become a dentist stems not only from her father who went to dental school, but also from the smiles displayed by Americans.

"When I came to America everyone was always smiling in their pictures, and I thought it was great," says Levitt. She points out that everyone in Russia smiled with closed lips because of their poor oral environments.

Levitt thought research would be a valuable way to gain insight about the molecular approach to dentistry. After exploring the many programs IUPUI had to offer, she started her research with a Multidisciplinary Undergraduate Research Institute (MURI) team in the fall of 2008 under the guidance and mentorship of Dr. Richard Gregory, the director of Student Research Programs in the School of Dentistry. The continuing objective of Dr. Gregory's lab has been to prove that tobacco components lead to both oral and cardiovascular disease. Her research involves the molecular and cellular changes in oral human and bacteria cells after exposure to tobacco. Specifically, her project focuses on the measurement of the accumulation of nicotine in *Streptococcus mutans* biofilm. Her work has shown that nicotine in higher concentrations is the causative agent of an accumulation in biofilm.

"One of the things that impressed me when I first met Inessa," describes Dr. Richard Gregory, "is that her communication skills are very good. In science it's imperative to be able to talk about your scientific work and make it understandable to other people, and she does that very well." Furthermore, Dr. Gregory credits her desire to be a dentist, her motivation to do research, her energy to persevere, and her willingness to learn with her success in the laboratory.

Levitt has presented her research at the Indiana Branch of the American Society of Microbiology (IBASM) conference and the School of Dentistry's Research Day. This year she will present her research at these two venues again, in addition to presenting at the 2010 IUPUI Research Day event that will be held on April 9th. She will begin applying for dental school in the summer.

TRANSLATIONAL RESEARCH IMPACT

Faculty Applies Research to Inform Interventions and Policy for Adolescent Sexual Behavior and Sexually Transmitted Infections

Dr. Mary Ott, Assistant Professor of Pediatrics in the School of Medicine, is spearheading research that examines adolescent health and

development with a focus on sexual behavior, unintended pregnancy and sexually transmitted infections (STIs), starting with a rigorous scientific examination of sexual abstinence as a health decision. According to Dr. Ott, abstinence has become a highly politicized primary approach to reducing adolescent pregnancy, yet our scientific understanding of how adolescents make decisions about abstinence has been limited.



Mary Ott, MD
Department of Pediatrics
School of Medicine

Dr. Ott's interdisciplinary research program advances the understanding of how development, relationships and social contexts influence adolescent abstinence decisions. Four linked studies use a mix of qualitative and quantitative research methods drawn from psychology, sociology, anthropology, and medicine. Her research findings have been translated into practice on several levels: (1) a developmental framework for office-based counseling; (2) evaluation and improvement of Indiana [RESPECT](#), an abstinence-focused public health education program; and (3) research findings directly incorporated into the [Society for Adolescent Medicine](#) policy statements. An analysis of "secondary abstinence," or the decision to have sex after a period of abstinence, was published in the month's *Perspectives in Sexual and Reproductive Health*.

Dr. Ott's current research is a developmental examination of how adolescent boys' make decisions about romantic and sexual relationships, and the impact of those decisions on STIs. Results suggest important roles for families in STI prevention, and identify patterns of communication that can inform both office-based STD prevention counseling and STD prevention programs.

Professor Ott has provided technical assistance and consultation in adolescent health for several community organizations. For example, focus groups with Indiana youth across the state on their health related priorities provided important youth input to the Indiana Coalition to Improve Adolescent Health for the first Indiana state health plan for adolescents. Nationally, Dr. Ott is on the editorial boards for the *American Journal of Sexuality Education* and *Perspectives in Sexual and Reproductive Health*. She is also on the national advisory committee for the Department of Health and Human Services' Office of Women's Health Girl's Environmental Scan.

Her long-term goal is to inform and improve interventions that promote healthy sexual development and prevent adolescent unintended pregnancy and STIs.

RECENT EXTERNAL FUNDING AWARDS

The Office of the Vice Chancellor for Research recognizes and congratulates all IUPUI faculty and researchers for recent awards they have received and that help to advance the IUPUI research enterprise. The following highlights those receiving \$100,000 or more in external grants.

Grants and Awards - February 2010

PI	Agency	Project Title	School	Department	Total
FLOCKHART, DAVID A	NATIONAL INSTITUTE OF CHILD HEALTH, HUMAN DEVL.	Indiana PREGMED	MEDICINE	CLINICAL PHARMACOLOGY	\$4,824,178
PELUS, LOUIS MARTIN	NATIONAL HEART, LUNG AND BLOOD INSTITUTE	Role of PGE2 and other eicosanoids in hematopoietic stem cell function	MEDICINE	MICROBIOLOGY & IMMUNOLOGY	\$1,925,000
EDENBERG, HOWARD J.	RESEARCH FOUNDATION STATE UNIVERSITY NEW YORK	Collaborative Study on the Genetics of Alcoholism (COGA)	MEDICINE	BIOCHEMISTRY/ MOLECULAR BIOLOGY	\$1,529,079
KASSAB, GHASSAN SLEEWA	NORTHERN CALIFORNIA INSTITUTE FOR RESEARCH & EDU	Simulation of Coronary Artery Bypass Graft and Surgical Ventricular Restoration	E&T	BIOMEDICAL ENGINEERING	\$518,022
FOROUD, TATIANA M.	NORTHWESTERN UNIVERSITY	GENORM: Collection of Genotypic Data for the NIH Toolbox Norming Sample	MEDICINE	MEDICAL & MOLECULAR GENETICS	\$390,510
CHEN, YUE	PURDUE UNIVERSITY	APT: The Analytical Proteomics Team	INFORMATICS	INFORMATICS	\$277,418
WHITE, FLETCHER ALAN	LOYOLA UNIVERSITY	Chemokine-mediated Modulation of Opioid-induced Pain	MEDICINE	ANESTHESIA	\$252,070

MOSIER, KRISTINE M	REHABILITATION INSTITUTE RESEARCH CORPORATION	Functional Remapping of Hand Movements	MEDICINE	RADIOLOGY & IMAGING SCIENCES	\$166,770
FOROUD, TATIANA M.	UNIVERSITY OF ROCHESTER	Cooperative Huntington's Disease Observational Research Trial (COHORT)	MEDICINE	MEDICAL & MOLECULAR GENETICS	\$136,078
POINDEXTER, BRENDA BRADLEY	DUKE UNIVERSITY	Pharmacokinetics and Safety of Piperacillan-Tazobactam in Neonates	MEDICINE	PED-NEONATAL MEDICINE	\$131,000
DE CORDON, KIMBERLY QUAID	UNIVERSITY OF ROCHESTER	Cooperative Huntington's Observational Research Trial (COHORT).	MEDICINE	MEDICAL & MOLECULAR GENETICS	\$110,944
MIRMIRA, RAGHAVENDRA G	MERCK AND COMPANY, INCORPORATED	Regeneration of beta cells in type 1 diabetic model	MEDICINE	PED-ENDOCRINOLOGY BASIC RES	\$100,000

OVCR INTERNAL GRANT DEADLINES

SIGNATURE CENTERS INITIATIVE (SCI) ROUND 3 CALL FOR PROPOSALS – *Deadline Extended*

The deadline for the submission of proposals under the Round 3 Signature Centers Initiative has been extended to April 1, 2010. This is also the deadline for Round 1 center third and final year activity reports and for any Round 1 centers wishing to submit a proposal for receiving extended funding past their first 3 years. Deadline for the submission of Round 2 center second year activity reports is July 15, 2010. For more information and to apply, please go to <http://research.iupui.edu/funding/>.

RESEARCH SUPPORT FUNDS GRANT (RSFG):

Due to a campus holiday, the RSFG proposal submission deadline is extended to April 5, 2010.

The IUPUI 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. For grant guidelines and application forms, go to <http://research.iupui.edu/funding/>.

INTERNATIONAL DEVELOPMENT FUND (IDF) GRANT: The IDF grant was developed to enhance the international research and scholarly activity focus of the IUPUI academic mission. Generally, the IDF grant serves as venture capital to stimulate additional funding for international research and scholarly activity, which have strong potential to generate indirect cost recovery from extramural sources. The next IDF application deadline is April 15, 2010. For grant guidelines and application forms, go to <http://research.iupui.edu/funding/>.

OVCR WORKSHOPS AND EVENTS

Thinking Outside of the Circle Workshop Series: Promoting Interdisciplinary Research in the Humanities and Social Sciences

The "Thinking Outside of the Circle" workshop series is designed for scholars (particularly junior scholars) in the humanities, social sciences, as well as community organizations to promote the further development of sound interdisciplinary research, innovative partnerships, and fundable grant proposals. The term 'thinking outside of the circle' refers to our desire to encourage our faculty to move beyond the parameters of their various disciplinary perspectives and knowledge bases to produce research that draws on multiple disciplinary areas of thought to produce cutting edge research projects on one hand, while also encouraging them to develop collaborative projects with organizations outside of our circle city area.

Workshops will provide faculty members and community leaders with skills to craft and design their research questions and methodologies in specific ways that lend themselves to the development of creative interdisciplinary research projects, publications, and collaborative activities. Participants will also receive support to assist them in applying for internal and external interdisciplinary grant proposals and will be provided with the necessary tools to perform computer searches to identify organizations that could fund their specific research and collaborative projects. This program is being sponsored by the Office of Academic Affairs and the Office of the Vice Chancellor for Research.

March 24th, 10:00 AM – 11:30 AM, UL 1126

Workshop 2 - How to Build Effective Collaborations that Work: As we move further into the 21st century, the catchword of the day seems to be "collaborations." More universities, organizations, and funders are requiring that individuals who submit grant proposals develop effective collaborations so that they do not duplicate work that is already being done. Moreover, developing meaningful collaborations allow individuals to leverage their unique skills, while at the same time they are able to utilize the skills of others.

This distinguished group of panelists will discuss strategies that can be used to develop effective interdisciplinary research projects and interdisciplinary centers. *They will also outline* strategies to use to develop effective collaborations that allow individuals to leverage their unique skills, while at the same time they are able to utilize the skills of others.

Register: <http://crl.iupui.edu/events/eventsRegistration.asp?id=1924>

April 29th, 10:00 AM – 11:30 AM, UL 0106

Workshop 3 - Attaining Resources and Support for Your Interdisciplinary Grantsmanship Activities:

This workshop will provide participants with an overview of various internal and external grant opportunities available to IUPUI faculty and will include information on upcoming deadlines, how to apply, the review process, post award requirements and how best to build support for successful interdisciplinary research and innovative partnerships in the humanities and social sciences.

Register: <http://crl.iupui.edu/Events/eventsRegistration.asp?id=1925>

Finding Funding

When: Wednesday, March 24, 2010 | 10:00 AM-11:30 AM

Where: University Library Room 0106

This session will provide an overview of the various types of external funding sources available, identify tools to locate funding opportunities, explain how to design a funding search, and demonstrate a few knowledge management systems that contain thousands of funding opportunities.

Register: <http://crl.iupui.edu/Events/eventsRegistration.asp?id=1863>

Writing a Scientific Grant Proposal

When: Thursday, March 25, 2010 | 01:00 PM-03:00 PM

Where: University Library 1125 M

This session will focus on the essentials of building a successful scientific grant proposal. A variety of topics from key components of proposals, to basic budgets and writing styles, to interpreting agency guidelines, will be covered.

Register: <http://crl.iupui.edu/events/eventsRegistration.asp?id=1942>

National Science Foundation Research Experiences for Undergraduates (REU) Writing Circle

It's Not Too Late to Join this Writing Circle!

When: Thursday, April 08, 2010 | 04:00 PM-05:00 PM

Where: UL 2115G

National Science Foundation Research Experiences for Undergraduates (REU) Writing Circle - Multiple Sessions:

The NSF REU Grant-Writing Circle brings together faculty members and researchers to prepare proposals for the next round of NSF REU Site proposals due either June 04, 2010 (for those requiring access to Antarctica only) or August 25, 2010 (all others). These sessions are designed to facilitate the easiest possible proposal preparation.

Sessions are designed to simplify project conception and development, budget construction, proposal writing and editing. All sessions are one hour only (4-5 PM) once a month, more often near the August deadline. If you plan to leave campus in the summer designate a Co-PI for your project and make sure he/she also attends early sessions. Proposal writers or their collaborators should attend all sessions for the best possible

result. Participants will assist each other to develop project ideas and edit proposals as much as possible. Programming experts from the Center for Research and Learning will collaborate to enhance and enrich the professional development content for projects. Participants from other IU campuses may arrange to attend by video conference by contacting Kathryn Wilson (kjwilson@iupui.edu).

Register: <http://crl.iupui.edu/Events/eventsRegistration.asp?id=1889>

OVCR Research Workshop Series: Responsible Conduct of Research

The Office of the Vice Chancellor for Research (OVCR), in collaboration with the Office of Research Administration (ORA), announces a new series of educational opportunities for IUPUI faculty. Specific topics include the life cycle of a grant proposal, research misconduct, conducting research with human subjects, and conflicts of interest in research.

Sessions will be held on the second Wednesday of the month (February – April), from 10:00 AM to 11:30 AM, in University Library, Room 2115-E. The final session in the series is outlined below. To find out more information about these and other educational opportunities, please visit the [ORA Research Ethic, Education & Policy \(REEP\) website](#) or contact REEP at 812-855-0656 or reep@iu.edu.

April 14, 2010: Research with Human Subjects: The involvement of human subjects in research is a basic feature of a wide range of academic disciplines, including research conducted within the biomedical sciences, social/behavioral sciences, education, and the humanities. The aim of this workshop is to explore the responsibilities, commitments and obligations of the researcher who engages in research with human subjects.

Register: http://www.researchadmin.iu.edu/REEP/reep_sessions.html

OTHER WORKSHOPS AND EVENTS

Partnering for Promotion: Excellence in Research

When: Thursday, March 25, 2010 | 12:00 PM-01:30 PM

Where: University Library, Room 1126

IUPUI Vice Chancellor for Research Kody Varahramyan will discuss the guidelines for “excellence in research” in the promotion and tenure process and discuss some of the resources available from his office. This event is sponsored by the IUPUI Office for Women, Faculty Appointments and Advancement, and the Office of Diversity, Equity and Inclusion

Register: <http://ofw.iupui.edu>

Scholarship at Lunch Time (SALT) Series

The SALT event series is aimed at showcasing interdisciplinary research efforts, promoting IUPUI research center activities, and encouraging new collaborative partnerships. This highly interactive event provides an opportunity to meet fellow researchers in an informal setting on a monthly basis at the Faculty Club. The event is also open to non-members of the Faculty Club. Please reserve a spot by calling Stephanie at 317-274-7014 or by sending an email to facclub@iupui.edu. Lunch is a buffet that includes soup, a salad bar, two warm entrees with side dishes, and dessert for \$12.90 (includes tax and gratuity). The following is the upcoming presentation.

Understanding Religion in American Life

When: Thursday, March 25, 2010 | 12:00 PM-01:00 PM

Presenter: *Philip Goff, School of Liberal Arts*

Dr. Goff is the Director of the Center for the Study of Religion and American Culture. The Center aims at increasing awareness and understanding of the diversity of American religious life and the manifold forms in which religion reveals itself in culture. By placing Protestantism, Catholicism, Judaism, Islam, Hinduism, Buddhism, and non-mainstream beliefs, behaviors, and rituals together in fashioning an analysis of American religion, the Center has helped increase scholarly and public understandings of the diversity of the American

religious experience and established entirely new views from which to study religion in America.

Register: <http://faa.iupui.edu/newFaa/events/eventsRegistration.asp?id=1780>

We are not Mutilated: Voices of Circumcised Women

When: Thursday, April 22, 2010 | 12:00 PM-01:00 PM

Presenter: *Khadija Khaja, School of Social Work*

Dr. Khaja's research focuses on the cultural traditional practice of female circumcision and Muslim Human Rights. She has examined the perceptions of circumcised African Muslim women migrants living in North America towards international human rights policies that ban female circumcision. Findings illustrate why many African circumcised women migrants feel marginalized globally by the very human rights policies that were designed to protect them.

Register: <http://faa.iupui.edu/newFaa/events/eventsRegistration.asp?id=1781>

CURRENT EXTERNAL 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 below.



NATIONAL INSTITUTES OF HEALTH

Science of Behavior Change: Finding Mechanisms of Change in the Laboratory and the Field: The focus is on understanding of the basic mechanisms of behavior change by bridging work in the laboratory and the field. This understanding will advance several goals, including: the identification of the optimal targets and time points in the life course for intervention; the identification of common mechanisms of change related to either multiple or bundled health behaviors; the ability to tailor interventions to particular at-risk individuals or groups; the application of novel technologies for behavioral assessment and change; and the identification of individuals or groups most likely to benefit from specific interventions. This initiative seeks to establish the groundwork for a unified science of behavior change, capitalizing on emerging basic science to accelerate investigation of common mechanisms that play a role in initiating or maintaining behavior change and are applicable across a broad range of health-related behaviors. Approaches from behavioral economics; the social, behavioral, cognitive and affective neurosciences; neuroeconomics; behavior genetics and genomics; and systems science are specifically encouraged. By focusing basic research on the mechanisms of behavior change, and by integrating work across laboratory and field contexts, this initiative should transform the efficacy, effectiveness, and cost efficiency of behavior change interventions. *Application deadline is April 26, 2010.*

Advancing Regulatory Science through Novel Research and Science-Based Technologies: The focus is on studying the applicability of novel technologies and approaches towards the development and regulatory review of medical products (including drugs, biologics, and devices). This regulatory science initiative will foster the development, evaluation and availability of new or improved tools, methods, standards, and applied science that support a better understanding and improved evaluation of product safety, quality, effectiveness, and manufacturing throughout the product life cycle. This area of science has knowledge gaps that deserve special emphasis and would benefit from strategic coordination and planning by NIH and FDA. Advances in this area depend on the incorporation of cutting-edge science and evidence-based knowledge into regulatory decision making. *Application deadline is April 27, 2010.*



NATIONAL SCIENCE FOUNDATION

Innovations in Biological Imaging and Visualization (IBIV): The goal of this activity will be to identify opportunities for investment that will advance the state-of-the-art in biological image capture, analysis, archiving, and dissemination. The Ideas Lab process entails participation in an

intensive five-day residential workshop, the development of collaborative proposals through a real-time and iterative review process, and the subsequent submission of full, invited proposals. The process is designed to engage creative individuals in the development of novel project ideas with the potential to advance a field of research. Participation from molecular and cell biologists, biophysicists, ecologists, evolutionary and population biologists, computational theorists and engineers, mathematicians, imaging specialists from other fields, educators involved in training the next generation of researchers, and a range of other specialists (artists, illustrators, etc.) is strongly encouraged. Potential applications of biological image capture and analysis are diverse, but offer many scientific and educational benefits: Automated feature recognition in complex biological images, Enhanced algorithms for filtering data from images with low signal-to-noise profiles, High throughput image or video capture and analysis for quantification or classification of subject matter, Improved multidimensional spatial registration and object tracking in sequential series or overlapping images, Validated analysis of heterogeneous data submitted by "citizen scientists", Enhanced representation and visualization of multi-dimensional datasets for dissemination of scientific findings. *Required pre-proposals deadline is April 12, 2010.*

Advanced Technological Education: With an emphasis on two-year colleges, the Advanced Technological Education (ATE) program focuses on the education of technicians for the high-technology fields that drive our nation's economy. The program involves partnerships between academic institutions and employers to promote improvement in the education of science and engineering technicians at the undergraduate and secondary school levels. The ATE program supports curriculum development; professional development of college faculty and secondary school teachers; career pathways to two-year colleges from secondary schools and from two-year colleges to four-year institutions; and other activities. Another goal is articulation between two-year and four-year programs for K-12 prospective teachers that focus on technological education. The program also invites proposals focusing on research to advance the knowledge base related to technician education. *Preliminary proposal deadline is April 22, 2010.*

UNITED STATES DEPARTMENT OF JUSTICE

National Institute of Justice (NIJ) Electronic Crime and Digital Evidence Recovery: NIJ is seeking applications for funding to develop emerging electronic crime and digital evidence recovery technology solutions for law enforcement agencies. The specific areas of interest under this solicitation are: • Faster and more efficient data acquisition technology. • Cell phone forensic acquisition and analysis tools and technologies including boot loaders. • Forensic and investigative tools and technologies to investigate criminal use of Internet anonymizers. • Damaged hard drive data recovery and forensic examination tools. • Macintosh forensic tools. *Application deadline is April 2, 2010.*

National Institute of Criminal Justice W.E.B. Du Bois Fellowships: The W.E.B. Du Bois Fellowship Program seeks to advance knowledge regarding the confluence of crime, justice, and culture in various societal contexts. The Fellowship places particular emphasis on crime, violence, and the administration of justice in diverse cultural contexts within the United States. *Deadline is April 16, 2010.*

CENTERS FOR DISEASE CONTROL

Surveillance, Natural History, Quality of Care and Outcomes of Diabetes Mellitus with Onset in Childhood and Adolescence: Estimating temporal trends in the incidence of diabetes among US youth (disease occurring before age 20 years) by type and race/ethnicity using efficient and low-cost population-based surveillance strategies. *Application deadline is April 12, 2010.*

BILL & MELINDA GATES FOUNDATION

Important Note: *The following Bill & Melinda Gates Foundation opportunity has an IU special handling requirement placed on it. Faculty members interested in responding to the call for letters of intent MUST first submit the completed attached form to Bobbi Bosch (bsbosch@indiana.edu) for review by the IU President's office.*

Addressing low Polio vaccine coverage in Nigeria: In Nigeria, an observed gap has been noted between the reported vaccination coverage rate (eg 80-100%) and epidemiology (continuous circulation of poliovirus). Anecdotes from the field and estimates from other surveillance data,

suggest that the actual vaccination coverage may be significantly lower. Also, the early communication research suggests there are still gaps in knowledge, attitude and perception among caregivers and vaccinators

- a) better estimate program performance in different states in Nigeria
- b) understand the reasons and risk factors for low coverage in some area
- c) identify and test innovative ways to improve coverage (e.g. new operational model)

Application deadline is March 30, 2010.

DID YOU KNOW?

Campus Facts

Award income for the year-to-date is up 63% compared to the same period last year. For the month of February, award income is up 26% compared to February of last year. For the year-to-date, the School of Medicine leads all schools with awards totaling \$256M. In second place is the School of Social Work (\$12M). These are followed by the School of Science (\$7.85M) and the School of Engineering and Technology (\$7.84M). The schools of Dentistry, Liberal Arts and Nursing each have awards totaling about \$3M for the year.

IDENTIFYING FUNDING OPPORTUNITIES

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

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:

Many federal agencies and foundations offer grants, awards and fellowships that limit the number of applications that can come from one institution or require special handling. In order to comply with agency and foundation guidelines and increase the chances of Indiana University (IU) succeeding in such limited submissions and special handling opportunities, IU policies and procedures are in place and are utilized by the Office of the Vice Chancellor for Research and other IU research offices to facilitate internal coordination and competitions.

Individuals interested in responding to limited submission opportunities must inform the Office of the Vice Chancellor for Research about their intent to apply to a given limited submission opportunity, such that they

can be included in the internal review and selection process. Failure to do so may disqualify individuals from consideration for submission to the funding opportunity.

Individuals interested in a limited submission opportunity or have any questions about the internal coordination process, contact Etta Ward at emward@iupui.edu or 317-278-8427. For a description of upcoming limited submission funding opportunities, as well as guidelines and application forms, go to: <http://ovpr.indiana.edu/lmsub/lmsub.asp>. Please note that this is not a comprehensive list, and that any external funding opportunity that imposes any type of submission limitation is subject to the IU limited submission policy and procedures.

Special Handling: The Special Handling list was created in order to communicate donor restrictions and/or preferences for managing solicitation requests from Indiana University. The list reflects special relationships that exist between donors and the university and includes corporations and foundations that the President's office wishes to review prior to submission in order to coordinate Indiana University's requests to these donors. The Special Handling List was compiled and is maintained by the Indiana University Foundation office of Corporate and Foundation Relations. Questions regarding this list can be directed to Bobbi Bosch at 317-278-5648 or bsbosch@indiana.edu.

IU Authentication is required to view the following attachments:

[IU/IUF Corporation / Foundation Special Handling List](#)
[Principal Gifts Review Template](#)

Office of the Vice Chancellor for Research - ovcr@iupui.edu
Indiana University Purdue University Indianapolis
755 West Michigan Street, UL1140, Indianapolis, IN 46202-2896
Phone: (317) 278-8427

[Subscribe](#) or [Unsubscribe](#)