

Research Enterprise

The Office of the Vice Chancellor for Research (OVCR) publishes the RESEARCH ENTERPRISE to keep the academic community and the community at large informed about research activities, opportunities and development on the IUPUI campus.

Inside this issue:

[Feature Story](#)

[Faculty Spotlight](#)

[Student Spotlight](#)

[Internal Grant Deadlines](#)

[Workshops and Training](#)

[Did You Know?](#)

[External Funding](#)

[Other Funding](#)

[Funding Search Tools](#)

Research Offices:

[Development](#)

[Administration](#)

[Compliance](#)

[Enterprise Archive](#)

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NIH Grant Awarded to Strengthen IUPUI/Ivy Tech Community College Collaboration to Encourage Student Enrollment in Health and Life Science Programs

The National Institutes of Health will award IUPUI \$938,771 over five years to fund a new educational project titled "Bridges to the Baccalaureate in Central Indiana." The Bridges program is a collaborative venture that links Indiana University-Purdue University Indianapolis (IUPUI) to the Ivy Tech Community College Indianapolis campus.

The goal is to encourage Ivy Tech students to enroll in life and health science programs at IUPUI upon completion of their Associates degree programs at Ivy Tech. This Bridges program is particularly aimed at aiding students in populations that have traditionally been underrepresented in the health and life science fields, an effort that both campuses continue to embrace in achieving their respective academic missions.



The centerpiece of the grant is support for Ivy Tech students to work in research labs in the Indiana University School of Medicine and the Purdue School of Science during the summer and the academic year, while attending Ivy Tech. Participating students will be matched with research mentors at IUPUI and will participate in a summer long workshop which will introduce them to basic research methods, ethics, careers, and other topics. "We have seen time and again that creating one-on-one mentoring relationships between students and faculty increases retention and graduation. This support is particularly important to improving these measures for African American and Latino students, and other underrepresented populations," says Dr. Andrew Gavrin, Principle Investigator of the project. Participants will receive coordinated academic advising to assure that they begin at IUPUI ready to succeed, with all of their Ivy Tech credits counting towards completion of their Baccalaureate degree programs. Grant funds are also included to support creation of freshman experience courses at Ivy Tech that will introduce students to IUPUI's opportunities and expectations, and for faculty at IUPUI to work with their counterparts at Ivy Tech to assure that the introductory curricula are well aligned. This program serves as a pipeline to move students along the continuum of research. Dr. Garvin states, "We want to start the students out doing research while they are attending Ivy Tech so when they do get their (two-year) degrees, they will have already had the experience."

Ivy Tech Community College is one of the nation's largest singly-accredited statewide community college systems and the state's second largest public post-secondary institution with nearly 120,000 students enrolled annually. Ivy Tech has 23 campuses throughout Indiana. It serves as the state's engine of workforce development, offering affordable degree programs and training that are aligned with the needs of its community along with courses and programs that transfer to other colleges and universities in Indiana. It is accredited by the Higher Learning Commission of the North Central Association of Colleges and Schools.

Over the course of the five year project period, sixty students will be recruited to participate in the program. Once students transition from Ivy Tech to IUPUI, they would become eligible to participate in a wide range of other research programs

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If you have a news item or recent noteworthy research-related achievement that you would like to share, please contact Etta Ward at emward@iupui.edu.

Please be aware that not all news items will be deemed appropriate or timely for publication, but each item will be carefully considered.

available at IUPUI, including the Louis Stokes Alliance for Minority Participation and the Diversity Scholars Research Program. The IUPUI Center for Research & Learning, which coordinates a host of other undergraduate research programs, will work with Drs. Gavrin and Michael Clippinger, the project Co-Investigator from Ivy Tech, to coordinate the new program. The Bridges to the Baccalaureate follows on the success of a Bridges to the Doctorate program in the IU School of Medicine. The PI of that project, Dr. Hal Broxmeyer will serve as an advisory board member for the new Bridges program.

FACULTY SPOTLIGHT

Liberal Arts Faculty Member Leads NIH-Funded Project to Impact Interventions for Preventing HIV among Partners at Risk of Infection

The National Institutes of Health awarded \$1.6 million over 5 years to Liberal Arts faculty member David Bell for his project, "Networks of Heterosexual Risk and HIV." He will study HIV-positive people and their HIV-negative heterosexual partners to determine motivations for risk reduction behaviors.

Dr. Bell, who also serves as a Principle Investigator in the IUPUI School of Liberal Arts Institute for Research on Social Issues, is leading a team that is exploring the motivations for safe sex by interviewing men and women who have sex together about their sexual behaviors and decisions. In spite of the potential dangers of unprotected sex, not all people use safe sex practices. The reasons behind the decision to use safe sex practices or not are complex and appear to be tied to the nature of the relationship. The team is exploring the motivations for safe sex by interviewing people in Indiana about their sexual behaviors and decisions in order to uncover the critical factors that determine the heterosexual spread and/or prevention of HIV. Some participants in the study are HIV positive and others are HIV negative. Study participants are recruited as couples, and some are recruited as individuals. The proposed study is a necessary prelude to improving heterosexual HIV prevention interventions. This NIH funded study will continue for five years.

The overall objective of the project is to develop interventions to reduce the transmission of HIV. Bell, a Professor of Sociology, will be joined by Assistant Professor Carrie Foote (Sociology) and Professor Sandra Petronio (Communication Studies) in completing the project.

STUDENT SPOTLIGHT

IUPUI Anthropology Student Presents Paper at World Archeology Conference in Ireland

(Article written and submitted by Josh Flynn, BA English 2007, Contributing Writer)

While most kids in sixth grade don't know what anthropology is, Courtney Singleton knew it was her future. Arriving at IUPUI, anthropology led her to archaeology. "I've always liked being outside and doing physical labor and exploring ideas of the past and working with communities and people," she recalls. Recently Singleton, now a IU School of Liberal Arts senior majoring in anthropology with a focus on archaeology, took one step closer to a successful career in the field when she presented her paper, "There



Courtney Singleton in Costa Rica, summer of 2007, while working on a

Are No Rules For Radicals: Can archaeology be a form of activism?" at the Sixth Annual World Archaeological Conference (WAC-6).

Turtle conservation project.

The paper asks the question: Do we have activist archaeology and can archaeology organize for social change today? "Archaeology can be a component in a larger social movement," Singleton says. "The past has always played a huge role in any mass social movement. That mixed with the socially creative process of archaeology itself—of actually being out in the field and digging and interpreting artifacts and bringing people together in the process—those two mixed together can be powerful tools but the difference is you have to be challenging something. You have to be going after power structures."

Singleton, whose archaeological work focuses on race relations, developed her paper after a trip to a historical archaeology conference in New Mexico. She sat in on a session that was an open forum discussing race. The discussion began with activism in archaeology and Singleton listened to some of the best historical archaeologists dealing with race. She was amazed at the inconsistencies in their definitions of activism. She walked out of forum thinking "there are a lot of people considering just consulting the public as activism and it's not. Talking with members of society is not activism. It's much greater than that." Singleton took her concerns to anthropology professor Larry Zimmerman and he told her to put them down on paper. So she did. Then he told her to write more. Eventually, Singleton had enough to craft into a proper academic paper, and Zimmerman convinced her to submit her work. In the past, Singleton's colleagues had recommended it was good to get started doing presentations on a small scale, and Singleton herself hoped she could present her paper at the IUPUI library. The next thing she knew, she was being asked to present at the WAC-6 conference in Ireland. "The turn out for the presentation was very good," she says. "I was amazed at the amount of people who were interested in it. And the reaction that it got took me by surprise. Not everyone was happy, but as an activist you are used to that. I'm not going to please everybody."

Singleton says her paper had the largest reaction of those presented at the conference and during the question and answer session that followed, it sparked discussion. Afterwards people approached to discuss her work one on one or request interviews. "It's hard to put your thoughts out there. You're worried about upsetting people—you know—I'm just a lowly undergrad student from Indiana. What can I contribute? Then you realize you can contribute just by saying it and getting out there and doing it," Singleton says. "No matter what, any feedback is good. Your work should always be growing and your thoughts should be developing. And that definitely happened. By putting my work out there in that venue, I had people from all over the world reacting to it."

AGENCY UPDATE

NIH RESUBMISSION POLICY CHANGE: NIH announces a change in the existing policy on resubmission (amended) applications (see <http://grants.nih.gov/grants/policy/amendedapps.htm>). Beginning with original new applications (i.e., never submitted) and competing renewal applications submitted for the January 25, 2009 due dates and beyond, the NIH will accept only a single amendment to the original application. Failure to receive funding after two submissions (i.e., the original and the single amendment) will mean that the applicant should substantially re-design the project rather than simply change the application in response to previous reviews. <http://grants.nih.gov/grants/guide/notice-files/NOT-OD-09-003.html>

OVCR INTERNAL GRANT DEADLINES

INTERNATIONAL VISITING RESEARCH SCHOLARS/PROFESSORS SUPPORT

(NEW): The IUPUI International Visiting Research Scholars/Professors Support Program is designed to assist IUPUI faculty members and departments to invite faculty members from abroad for both research collaboration and instructional purposes to benefit students at the graduate and/or undergraduate levels. This program will enhance IUPUI's Internationalization efforts in both teaching and research. The purpose is to develop faculty capacity to teach with a global perspective. Application deadline is February 6, 2009.

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

INTERNATIONAL DEVELOPMENT FUND GRANT: 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 November 15, 2008.

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

OTHER INTERNAL GRANT DEADLINES

COLLABORATION IN BIOMEDICAL/TRANSLATIONAL RESEARCH PILOT

GRANT PROGRAM (CBR/CTR): The overall objective of this first round of the CTSI Collaboration in Translational Research (CTR) pilot grant program (previously known as the CBR program) is to foster and encourage collaborations between entities at the two institutions and to initiate or continue translational research projects that have the potential to develop into larger, continuing, externally funded research programs.

Applications to this program are considered seed grants and are expected to have a maximum requested amount of \$75,000, typically of one (1) year duration. Proposed projects should have at least two (or more) principal investigators (PIs) of roughly equal contribution from at least two of the sponsoring affiliates for this program. Sponsoring affiliates include: IU School of Medicine (IUSM), IUPUI (non-IUSM), IU Bloomington, Purdue University (West Lafayette). Application deadline is December 1, 2008.

<https://www.indianactsi.org/grants/index.php/ctr>.

UPCOMING OVCR SPONSORED WORKSHOPS

Finding Funding

When: Tuesday, November 04, 2008 | 10:00 AM-11:30 AM

Where: University Library, 1126

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

[Workshop Registration](#)

OTHER WORKSHOPS AND EVENTS

IU SCHOOL OF MEDICINE ANNUAL GRANT WRITING WORKSHOP: The annual GRANT WRITING WORKSHOP, sponsored by the Indiana University School of Medicine and co-sponsored by the IUPUI Office of the Vice Chancellor for Research, will be held on November 17, 2008 on the IUPUI campus. This workshop addresses both conceptual and practical aspects of grant writing. Rather than offer what is typically presented (little more than how to fill out forms and conform to instructions) this grant writing workshop emphasizes idea development, how to write for reviewers, and tips and strategies for great grantsmanship. This workshop is appropriate for all faculty members who are contemplating a competitive application to federal or state agencies or foundations.

For more information and to register, go to <http://cme.medicine.iu.edu/data/brochure/05433.pdf>.

SCHOLARSHIP AT LUNCH TIME (SALT) SERIES: This 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 base. Presentations are limited to 20-25 minutes to allow ample time for discussion. Upcoming scheduled presentations include:

When: Wednesday, November 12, 2008 | 12:00 PM- 1:00 PM

Presentation: "The Binational/Cross-Cultural Health Enhancement Center: Research, Education and Service Opportunities"

Presenter: Angeles Martinez-Mier, School of Dentistry

The Center addresses the biological, cultural, historical, legal, behavioral and demographic impact on the health status of Latino communities in their native countries and here in Indiana.

The complete SALT schedule for 2008/09 can be found at <http://faa.iupui.edu/newFaa/SALT.asp>.

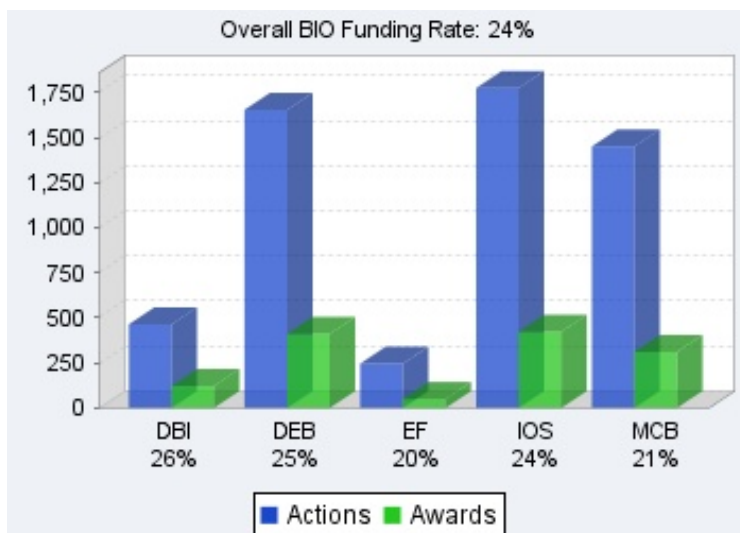
Location: All SALT events are held at The Faculty Club, which is located on the second floor of the University Place Conference Center in IP 200. Due to limited seating it is recommended that you sign-up prior to each scheduled presentation by calling Stephanie at 317-274-7014 or by sending an email to facclub@iupui.edu. The Faculty Club opens at 11:30 am for lunch with the presentations and ensuing discussions scheduled from 12-1 pm. Lunch is a buffet that includes soup, a salad bar, two warm entrees with side dishes, and desert for \$12.90 (includes tax and gratuity).

Please direct any questions about the SALT program to Dominique M. Galli at dgalli@iupui.edu.

DID YOU KNOW?

National Facts

- The overall funding rate for Biology grants at NSF in 2008 was 16%.



Biological Infrastructure (DBI); Developmental and Environmental Biology (DEB); Emerging Frontiers (EF); Integrative Organismal Systems (IOS); Molecular and Cellular Biosciences (MCB)

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 at the end of this newsletter.

NATIONAL INSTITUTES OF HEALTH

TRANSLATING BASIC BEHAVIORAL AND SOCIAL SCIENCE DISCOVERIES INTO INTERVENTIONS TO REDUCE OBESITY - CENTERS FOR BEHAVIORAL INTERVENTION DEVELOPMENT

Focus is on translating findings from basic research on human behavior into more effective clinical, community, and population interventions to reduce obesity and improve obesity-related behaviors. This FOA will support Centers for Behavioral Intervention Development (CBIDs) in which interdisciplinary teams of basic and applied behavioral and social science researchers develop and refine novel interventions based on basic research findings to reduce obesity and alter obesity-related health behaviors (e.g., diet, physical activity).

Application deadline is January 13, 2008. <http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-08-013.html>

DRUG ABUSE EPIDEMIOLOGY AND SERVICES RESEARCH IN COOPERATION WITH THE CLINICAL AND TRANSLATIONAL SCIENCE AWARDS CONSORTIUM

Priorities are: Use of electronic medical records systems as platforms to improve the integration of drug abuse treatment into medical settings; Development and implementation of screening tools to facilitate improved recognition of prescription drug abuse in clinical settings, including narcotic abuse among chronic pain and post-surgical patients; Dissemination, adoption, and implementation of evidence-based drug abuse prevention and treatment strategies within medical care settings; Economics of drug abuse services delivery in medical settings, to include payment mechanisms and financing systems; Genetic underpinnings of addiction utilizing genotyping/phenotyping systems and/or biological specimen banks available at CTSA sites; Epidemiology of co-morbid drug abuse, psychiatric illness and/or medical

illness, including comorbid HIV infection; Natural history of drug use, abuse, and addiction, including secondary analyses of large population-based datasets available through CTSA sites; Development of collaborations between CTSA sites and community-based organizations to foster novel service delivery models for drug abuse prevention services; Identification of youth at risk for drug abuse in clinical settings and implementation of brief interventions or referral to community-based programs.

Standard application deadlines apply. <http://grants.nih.gov/grants/guide/pa-files/PAS-09-001.html>

BIOSIGNATURES OF CHRONIC DRUG EXPOSURE

Focus is on high risk projects to search for peripheral, not associated with the central nervous system, biosignatures (not drug or drug metabolites) that could serve as surrogates to monitor changes that are taking place in the brain in response to illicit and licit drug exposure, withdrawal or relapse. These projects are intended to be feasibility projects using animal models only to identify appropriate clinically accessible biomaterial (e.g., blood, lymphocytes, bladder epithelial cells, stem cells) and to identify the best class or classes of molecules (proteins, peptides, RNA, miRNA, etc.) suitable for assay development.

Application deadline is January 27, 2008. <http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-09-022.html>

NATIONAL SCIENCE FOUNDATION

DISCOVERY RESEARCH K-12 (DR-K12)

Focus is on assessment, STEM learning, teacher practice and implementation. The new implementation challenge calls for studies that examine how promising resources, models and technologies can be implemented, sustained, and scaled in the formal education settings they are intended to serve. The program scope has been broadened to include research and development at the preK level. In addition, new language encourages projects that support cyber-enabled learning and/or that hold promise to transform current educational practice and research.

Application deadline is January 8, 2008. http://www.nsf.gov/pubs/2008/nsf08609/nsf08609.htm?govDel=USNSF_25

DEPARTMENT OF ENERGY

CONTINUATION OF SOLICITATION FOR THE OFFICE OF SCIENCE FINANCIAL ASSISTANCE PROGRAM

The US Special Operations Command is soliciting pre-proposals focused on applied biomedical research topics that may be of interest to Special Operations Forces (SOF)-relevant aspects of medical care, particularly related to: combat casualty management (card diagnostics, micro labs, and rapid assays, enhanced mass casualty response; pain management, rapid wound healing); medical aspects of mission planning (medical aspects of foreign internal defense (FID) missions, integrated and automated pre-mission and in route medical hazard/threat identification, assessment and mitigation); biomedical training; environmental protection (vibration/shock injury, diving procedures, equipment and injuries), exercise and mission related physiology (human performance enhancements/mission extenders; prevention of musculoskeletal injuries), field diagnostic and care equipment; and medical information management systems.

Application deadline is December 31, 2008. <https://e-center.doe.gov/iips/faopor.nsf/UNID/1822D414FBOC1064852574D50071644C?OpenDocument>

FOUNDATION OPPORTUNITIES

ROBERT WOOD JOHNSON FOUNDATION

NATIONAL HEALTH REFORM: Focus is on projects that will increase the likelihood that the nation's health care debate will lead to solutions and build momentum to drive federal policy-makers to act. Projects must be relevant to federal health care reform and may include: evaluations of timely policy changes; research and policy analyses that can advance the debate and lead to solutions; development and testing of new tools, models and policies to expand health insurance coverage; coalition building and convening; and strategic communications to disseminate policy ideas. This solicitation involves a two-step process: (1) submission of an abbreviated brief proposal; and, if selected, (2) submission of a full proposal.

Application deadline is December 2, 2008. <http://www.rwjf.org/applications/solicited/cfp.jsp?ID=20541&c=OTC-RSS&attr=CP>

HEALTH POLICY FELLOWS: The program provides the nation's most comprehensive experience at the nexus of health science, policy and politics in Washington D.C. The fellowship is an outstanding opportunity for exceptional midcareer health professionals and behavioral and social scientists with an interest in health and health care policy. Applicants may have backgrounds in the following disciplines: allied health professions; biomedical sciences; dentistry; economics or other social sciences; health services organization and administration; medicine; nursing; public health; or social and behavioral health. Fellows experience and participate in the policy process at the federal level and use that leadership experience to improve health, health care and health policy.

Application deadline (only paper accepted) is November 19, 2008. http://www.rwjf.org/files/applications/cfp/overview_HPFFellows0910.pdf

OTHER OPPORTUNITIES

NASA

NASA POSTDOCTORAL PROGRAM: The program offers unique research opportunities to highly talented national and international individuals to engage in ongoing NASA research programs at a NASA Center, NASA Headquarters, or at a NASA-affiliated research institution. These one- to three-year Fellowship appointments are competitive and are designed to advance NASA's missions in space science, earth science, aeronautics, space operations, exploration systems, and astrobiology. There are three application deadlines each year: November 1, March 1, and July 1. For more information and to apply, go to: <http://nasa.orau.org/postdoc/>

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/lmsub/lmsub.asp> or contact Etta Ward in the IUPUI Office of the Vice Chancellor for Research: emward@iupui.edu or 317.278.8427.

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