

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.

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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

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ANNOUNCEMENT

Responding to Limited Submission and Special Handling 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. In some cases, the IU President may deem it appropriate to implement special handling processes, even if the agency of foundation does not.

If you are interested in a limited submission opportunity or have any questions about the internal coordination process, contact Etta Ward (emward@iupui.edu) at 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>. The Special Handling List is compiled and is maintained by the Indiana University Foundation office of Corporate and Foundation Relations and is provided to OVCR for distribution. Please contact Bobbi Bosch at 317-278-5648 or bsbosch@indiana.edu if you have any questions regarding this list. IU Authentication is required to view the following attachments:

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

FEATURE STORY

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

Research Team Explores African American Male Equity and Success in Education (K-16) to Impact Interventions, Solutions and Policy

According to Dr. Robin Hughes, Assistant Professor in the IU School of Education, Department of Educational Leadership and Policy Studies, "Far too many African American males across the state of Indiana, from preschool through college, are in a state of educational crisis. Nationally, the achievement gap, disproportionality in special education, dropout and graduation rates, school suspension and expulsion, and eligibility for gifted/ talented programs continue to complicate the success trajectories of men of color." Dr. Hughes is a member of an education research team working on the African American Male Equity Project (AAMEP).

The AAEMEP is currently funded by a Lumina Foundation grant and has collaborated with the National Council on Educating Black Children (NCEBC) to develop strategic interventions, effective solutions, and thought provoking policy papers. Other members of the AAEMEP include Dr. Khaula Murtadha, Associate Vice Chancellor for Life Long Learning and Associate Professor of Educational; Dr. Chalmer Thompson, Professor in the School of Education; Dr. Russ Skiba, Professor in Counseling and Educational Psychology at Indiana University; Dr. Mark Giles, Assistant Professor from Miami University; Timberly Baker, Visiting Research Associate for the Equity Project at the Center for Evaluation in Education Policy at Indiana University- Bloomington; and Steve Ingram, from local and State government.



The African American Male Equity Project Research Team

The crisis of racial disparity does not occur in a vacuum, but is rather systemic. This educational crisis requires an in-depth and comprehensive understanding of the structural inequities and policies that shape the systems that affect African American males and their academic performance. This innovative project will take a systems and solutions-based approach on policy development and implementation targeting American males' educational (school and college levels) success. The goals and intended outcomes focus on establishing long-term and systemic change. Accordingly, the team examine factors that encourage and support educational attainment for African American males throughout the K-16 pipeline.

In order to facilitate such broad analysis and actions, the AAMEP team will move beyond the traditional-mainstream and overly generalized educational literature on "student success," avoid assumptions and strategies built on cultural deficit modeling, and seek guidance by an interdisciplinary range of literature that offers culturally relevant and group specific perspectives and data. As such, the literature review that informs the study is drawn from multidisciplinary scholarship including American history, Black studies, critical race theory, critical social theory, educational studies, health and kinesiology, psychology, religious studies, and sociology.

This action inquiry project is based upon statewide descriptive data, evaluation studies, quantitative variables, interviews, and case studies developed from sources across Indiana at the secondary and post-secondary levels. Some of the success indicators include, high standards, nurturing environments, encouraging moral and ethical behavior, providing networking opportunities, and effective goal planning. The intervention aspect of the project provides synergy and deeper impact to the research, whereby data gathered on the educational experiences of Black males and

on reports by policy-makers and leaders inform and guide effective actions. Members of the team stress that this action research approach serves as a feedback mechanism to all stakeholders committed to working on improving the quality of life and educational opportunities for African American males. Additionally, this project advocates for change agents (i.e. policy leaders, school/university leaders, community advocates and industry leaders) to identify and tackle the wide range of barriers facing African American males.

STUDENT SPOTLIGHT

Student's love for Research Garners Recognition and Academic Success

Ms. Beatrice M. Thungu, a student in the Purdue University School of Science on the IUPUI campus, was introduced to research in 2006 by Dr. Keith Dunker, *Director* of the Center for Computational Biology and Bioinformatics and *Professor* of Biochemistry and Molecular Biology. She proclaims that she has been in love with research ever since. Now in her junior year of undergraduate studies, Ms. Thungu has earned numerous awards and accolades in her young research career. One of the most noteworthy awards she received is that of most outstanding female student at IUPUI in 2009. Upon receipt of this award, she credited this accomplishment to her undergraduate research experience and mentoring support.



Beatrice M. Thungu, Junior in the School of Science and LSAMP Scholar

Ms. Thungu is currently working in the lab of Dr. Dunker, whose research focuses on the intrinsically disordered proteins. These are proteins that fail to fold into the 3D or tertiary structure yet are able to carry out function such as undergoing structure-formation upon binding while forming protein-protein interactions with various partners. Ms. Thungu's contribution to this area of research is to gather information regarding signaling domains that play a role protein-protein interaction then compare the findings to the type of protein partners they bind to in order to carry out their function.

Through research, Ms. Thungu has presented her work, both orally and in poster format, at conferences locally and nationally. She represented IUPUI and Dr. Dunker's lab well as she won the first place in the oral research presentation at the Louis Stokes Alliance for Minority Participation (LSAMP)/Alliance for Graduate Education and the Professoriate (AGEP) Joint Conference in 2007 and again the third place at the 2008 Conference.

She is one of the LSAMP-Indiana Program scholars whose achievements in academic scholarship and research have been recognized twice by the state Alliance and national organizations such as Minority Access, Inc. Her academic achievement, coupled with her natural leadership abilities, has qualified her for various scholarships, awards, and recognition during the last two years. According to Kim Nguyen, Director LSAMP-Indiana, "She pursues college education and prepares for a career in medicine with passion. Her commitment to excellence is seen in multiple dimensions. She learns well through self-discovery, peers interactions, research and teaching peers."

What Ms. Thungu values most about her research experience is the exposure she has to experts who are doing research in her area and the opportunity to further explore the importance of protein function. "I love doing research for I am surrounded by a wonderful team of experts who are always willing to giving me a helping hand and

challenge me to advance my research project. This is a privilege and an honor to learn that my research area has made an impact," she says.

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.

AMERICAN RECOVERY AND REINVESTMENT ACT (RECOVERY ACT)

National Science Foundation American Recovery and Reinvestment Act (Recovery Act) Frequently Asked Questions

http://www.nsf.gov/pubs/2009/nsf09038/nsf09038.jsp?govDel=USNSF_25

National Institutes of Health American Recovery and Reinvestment Act (Recovery Act) Frequently Asked Questions

http://www.ncrr.nih.gov/the_american_recovery_and_reinvestment_act/

NATIONAL INSTITUTES OF HEALTH

Economic Studies of Health Insurance Coverage on Drug Abuse Treatment Availability, Access, Costs, and Quality: The focus is on rigorous, theory-driven research on the effects of recent legislative and regulatory changes affecting insurance coverage for drug abuse treatment services. Application deadline is July 14, 2009. <http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-10-004.html>

NATIONAL SCIENCE FOUNDATION

The Urban Long-Term Research Areas: Exploratory Research Projects (ULTRA-Ex): This program provides support to enable teams of scientists and practitioners to conduct interdisciplinary research on the dynamic interactions between people and natural ecosystems in urban settings in ways that will advance both fundamental and applied knowledge. Application deadline is July 7, 2009. http://www.nsf.gov/pubs/2009/nsf09551/nsf09551.htm?govDel=USNSF_25

FOUNDATIONS

Robert Wood Johnson Foundation: The Robert Wood Johnson Foundation (RWJF) has issued a call for proposals through its national program, *Project Health Design: Rethinking the Power and Potential of Personal Health Records*. Grant recipients will work to assess and test the potential of "observations of daily living" (ODLs) to help patients and physicians better manage chronic illnesses. Grants may total up to \$480,000 each. Funded teams will work closely with patients and providers across different care settings. Brief proposals due June 3, 2009. <http://www.rwjf.org/applications/solicited/cfp.jsp?ID=20762>

Bill & Melinda Gates Foundation: The Bill & Melinda Gates Foundation is now accepting grant proposals for Round 3 of Grand Challenges Explorations, a US\$100 million initiative to encourage unconventional global health solutions. Grant proposals are being accepted online at www.grandchallenges.org/explorations until May 28, 2009, on the following topics:

- **New!** Create Low-Cost Diagnostics for Priority Global Health Conditions
- **New!** Create New Ways to Induce Mucosal Immunity
- Create New Vaccines for Diarrhea, HIV, Malaria, Pneumonia and Tuberculosis
- Create New Tools to Accelerate the Eradication of Malaria

Initial grants will be \$100,000 each, and projects showing promise will have the opportunity to receive additional funding of \$1 million or more. Full descriptions of the new topics and application instructions are available at www.grandchallenges.org/explorations.

Indiana University policy requires prior approval before submitting to the William and Melinda Gates Foundation. Contact Bobbi Bosch bsbosch@iupui.edu.

Small Business Innovative Research (SBIR) Program

SBIR Open Solicitations/Announcements

Agency (Brief Description)	Closing Date	Solicitation Link
<u>Environmental Protection Agency</u>	14 May 2009	<u>EPA SBIR Link</u>
<u>National Science Foundation</u>	09 Jun 2009	<u>NSF SBIR Link</u>
<u>Department of Defense 09.2 SBIR</u>	18 Jun 2009	<u>DOD SBIR Link</u>
<u>Department of Health and Human Service - Non Aids topics</u>	05 Apr 2009 05 Aug 2009 05 Dec 2009	<u>NIH Link</u>
<u>Department of Health and Human Service - Aids related topics</u>	07 May 2009 07 Sep 2009 07 Jan 2010	<u>NIH Link</u>

WORKSHOPS AND EVENTS

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. Presentations are limited to 20-25 minutes to allow ample time for discussion. Presentation Title: "Understanding Religion in American Life – and the Role of IUPUI in that Endeavor"

When: Thursday, May 7, 2009, 12:00 PM-1:00 PM
Where: University Faculty Club

Presenters: Philip Goff, Director of the Center for the Study of Religion and American Culture, School of Liberal Arts

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.

<http://faa.iupui.edu/newFaa/SALT.asp>.

This event is sponsored by The University Faculty Club of Indianapolis.

IRB UPDATES TRAINING SESSIONS

Space is still available for the following training sessions regarding upcoming IRB Updates, including changes to the current IRB submission forms and submission process. The same information will be presented at all four sessions.

Tuesday, May 5, 2009, 8:00 AM – 9:00 AM
Wednesday, May 6, 2009, 1:00 PM – 2:00 PM
Wednesday, May 6, 2009, 4:00 PM – 5:00 PM

Location: Riley Outpatient Center (ROC) Auditorium

Monday May 4, 2009, 9:00 AM – 10:00 AM

Location: Methodist Hospital, Krannert Conference Room E83 on the 3rd floor of the Noyes Pavilion.

Please RSVP (including session) to acthurst@iupui.edu.

This event is sponsored by the Office of Research Administration, Research Compliance Administration.

DID YOU KNOW?

National Facts

According to NSF statistics for 2007, Johns Hopkins University (JHU) had more Federal R&D funding than any other university (\$1.19B). 49.6% of this funding came from Health and Human Services (HHS) followed closely by the Department of Defense (DoD) (43%). The University of Washington ranked 2nd with \$612M (70% from HHS). Indiana University (all campuses) ranked 49th (80% from HHS).

Hopkins had the most DoD and HHS funding. MIT had the most Department of Energy funding (\$57M). U. of Arizona had the most NASA funding (\$50M). Cornell U. had the most NSF funding (\$115M). U. of California, Davis had the most USDA funding (\$28M).

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: 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.

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 and is provided to OVPR for distribution. Questions regarding this list can be directed Bobbi Bosch at 317-278-5648 or bsbosch@indiana.edu.

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