

Research Enterprise

December 18, 2012

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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Editor:

Etta Ward

Layout:

Erik Scull

If you have a news item or recent noteworthy research-related achievement that you would like to share, please see the [Research Enterprise Submission Guidelines](#).

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

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HOLIDAY GREETINGS FROM THE OFFICE OF THE VICE CHANCELLOR FOR RESEARCH



Dear Colleagues and Friends,

The staff members of the Office of the Vice Chancellor for Research wish you a Holiday Season full of happiness and peace and a New Year that far exceeds expectations!

Happy Holidays!
Office of the Vice Chancellor for Research

FEATURE STORY

IUPUI Forum Showcases Commercialization and Entrepreneurial Opportunities

The IUPUI Innovation to Enterprise Showcase & Forum brought together researchers from across the Indiana University-Purdue University Indianapolis campus Nov. 28 to present opportunities for collaborative business development with the outside world.

A well-represented group of potential business community partners and investors attended the event, hosted by the Office of the Vice Chancellor for Research and the Indiana University Research and Technology Corporation, and took an interactive and in-depth look at over [30 innovative and entrepreneurial projects](#) arising from the research programs at IUPUI.



James Gladden at Enterprise Showcase

A wide range of investment opportunities were featured in the Innovation Showcase, including startups in health care and pharmaceuticals, alternative energy, workforce training, and cell phone apps for historical tours. Some of the exhibits included physical prototypes or other demonstrations of potential new products.

The diverse mix of the Innovation Showcase is evidence of IUPUI's commitment to encouraging research commercialization and entrepreneurship on campus. According to Kody Varahramyan, IUPUI vice chancellor for research, "Our goal has been to encourage and grow the invention culture on campus, which, as manifested by this event, has been resulting in a wide range of research commercialization opportunities of interest to the business and economic development community."

The event presented a unique opportunity for IUPUI researchers to establish good contacts with visitors from the Indiana business community, and to identify areas of interest for collaborative business development. Stanley Chien, professor of electrical and computer engineering in the Purdue School of Engineering and Technology and a lead investigator for one of the project exhibits, said he "had never talked to so many people in a poster session before" and found there was a good deal of interest from attendees.

According to James Gladden, dean of the IU School of Physical Education and Tourism Management, it was important for the IUPUI faculty to see the many exciting campus research projects with commercialization potential. "It was also great to have our community partners here to look at what we are doing," Gladden said. "Their feedback on this and other similar events is going to be helpful, as IUPUI continues to move forward in this critical area."

The School of Physical Education and Tourism Management is in the early phases of developing academic/industry collaboration with the American College of Sports Medicine to create a distinctive center for innovation in physical activity and sports. Gladden and co-researcher Rafael E. Bahamonde presented the project during the showcase.

Other showcase projects included the marketing of a novel bone healing solution developed to address high-risk problematic fractures, thereby potentially improving the quality and cost of orthopaedic surgery; an interactive computerized task that measures 18-to 24-month-olds' ability to learn novel words and is being developed into a clinical tool to screen children at risk for language delay; and the development of a smartphone app that will bring cultural and historical tours of Indiana cities to visitors and residents using compelling photographs, films and oral history, to name a few.

"IUPUI is committed to actively engaging the strengths of the university to support the social and economic development of Indiana and the nation, and the most

effective way to do so is to establish strong relationships between our faculty and the business community," said Marie Kerbeshian, vice president for technology commercialization at the IU Research and Technology Corporation.

For more information about research commercialization efforts at IUPUI, contact Karen White, research development and commercialization facilitator in the Office of the Vice Chancellor for Research, at 317-274-1083 or kfwhite@iupui.edu.

ANNOUNCEMENTS

National Science Foundation is Coming to Town

The National Science Foundation and Indiana University-Purdue University Indianapolis (IUPUI) will be holding a one-day workshop on Monday, February 4, 2013. According to George Wilson of the NSF, "this workshop is primarily designed for researchers and educators less experienced in proposing to the NSF; however, more experienced proposers and NSF grantees may well find the workshop useful and informative. It is our hope that events such as this will stimulate new interest in NSF programs at institutions that have not been among our traditional customers, as well as at premier research institutions. We want to extend an invitation to you and to anyone else at your institution who would like to attend this workshop and learn more about the NSF and its programs."



The workshop will provide an overview of the Foundation, its mission, priorities, and budget. It will cover the NSF proposal and merit review process and NSF programs that cut across disciplines. Additionally, representatives from the seven NSF directorates and the Office of International Science and Engineering and the Office of Integrative Activities will make presentations on their programs and will also be available informally and in breakout sessions for discussions of potential research proposals.

There is no registration fee for this workshop. However, **registration is required**. Please register by **Friday, January 25, 2013**. Registration will not be available the day of the event. Morning and afternoon refreshments and lunch will be provided to those registered. Registration is limited, so please register early. We hope to see you there.

[Click here to register with NSF](#)

New Associate Vice Chancellor for Research Announced

The Office of the Vice Chancellor for Research (OVCR) is pleased to announce that Dr. David Burr has been named the new Associate Vice Chancellor for Research.

Dr. Burr, professor of Anatomy and Cell Biology in the School of Medicine, also holds adjunct faculty appointments in Biomedical Engineering and Anthropology. His strong commitment to the professional development and growth of faculty, was demonstrated in his previous role as Chair of the Department of Anatomy and Cell Biology, a position he held for 21 years (1990-2010).

He has been awarded more than \$16 million in grants and contracts over his 23 years at IUPUI. He



was one of the founders of the Biomechanics and Biomaterials Research Center, and was instrumental in the development of the current Biomedical Engineering Program at IUPUI and Purdue.

"I am excited to be working across the campus and across disciplinary lines to promote the research goals of IUPUI. I am hoping that my broad background across the sciences, social sciences and engineering will help me to work with the diverse constituencies of IUPUI to build new multidisciplinary research opportunities for our faculty."

"IUPUI houses a wealth of expertise in many different areas, and in the long-term I would like to coordinate this expertise with the needs of business, industry and government, which could utilize the unique skills available at IUPUI "said Dr. Burr. More immediately, he hopes to promote greater interaction among different units engaged in research to continue to develop existing strengths in research, and to build new and innovative research programs.

The OVCR is committed to strategically advancing world class research and creative activities at IUPUI that address important national and global needs. "We are thrilled to have Dr. Burr join OVCR," said Vice Chancellor Varahramyan. "His experience and expertise will be a tremendous asset to our current and future efforts."

IUPUI Mathematicians Named Fellows of the American Mathematical Society

Two IUPUI mathematicians have earned selection to the initial class of American Mathematical Society (AMS) Fellows for 2013 in recognition of their international excellence in mathematical science and service.

Distinguished Professor Alexander Its, Ph.D., and Professor Michal Misiurewicz, Ph.D., both in the Department of Mathematical Sciences, are among the 1,119 international mathematicians representing more than 600 global institutions announced by the society as inaugural AMS Fellows.

Dr. Its' major area of research is integrable systems, and his studies have most recently focused on partial differential equations and related aspects of spectral theory and algebraic geometry, soliton theory and exactly solvable quantum field models.

Dr. Misiurewicz' major research activities are in dynamical systems and Ergodic Theory with a focus on one-dimensional systems, entropy, periodic orbits and connections with other parts of mathematics and other sciences, including applications of dynamical systems.

The prestigious fellowship recognizes members who have made outstanding contributions to the creation, exposition, advancement, communication and utilization of mathematics.

The AMS Fellows program seeks to create an enlarged class of mathematicians recognized by their peers as distinguished for their contributions to the profession and to honor excellence.

"We are very pleased at the honor extended to professors Its and Misiurewicz," said interim department chair Jyoti Sarkar. "Their work and this honor are reflective of the increasing strengths and stature of our program."

Founded in 1888 to further mathematical research and scholarship, the 30,000-member AMS fulfills its mission through programs and services that promote mathematical research and its uses, strengthens mathematical education, and fosters awareness and appreciation of mathematics and its connections to other disciplines and everyday life.

"The AMS is the world's largest and most influential society dedicated to mathematical research, scholarship and education," said AMS President Eric M. Friedlander. "Recent advances in mathematics include solutions to age-old problems and key applications useful for society."

"The new AMS Fellows Program recognizes some of the most accomplished mathematicians—AMS members who have contributed to our understanding of deep and important mathematical questions, to applications throughout the scientific world and to educational excellence."

Two School of Medicine Researchers Honored as AAAS Fellows

Two Indiana University School of Medicine faculty have received the distinction of being named a Fellow by the American Association for the Advancement of Science.

They are [Hal Edward Broxmeyer](#), Ph.D., Distinguished Professor and Mary Margaret Walther Professor Emeritus, and [G. David Roodman](#), M.D., Ph.D., Kenneth Wiseman Professor of Medicine.

"There are few honors in the world of science as prestigious as being named a Fellow with the American Association for the Advancement of Science," said D. Craig Brater, M.D., dean of the IU School of Medicine and vice president for university clinical affairs at IU. "The two IU School of Medicine faculty elected this year are not just influential in their respective fields but are esteemed by their colleagues at IU. I am honored to call Hal Broxmeyer and David Roodman colleagues and know that the medical school and our students have benefited from the contributions to our school and our world made by these outstanding scientists."

Broxmeyer is the co-leader of the Hematopoiesis, Hematological Malignancies and Immunology research program at the Indiana University Melvin and Bren Simon Cancer Center. His recognition by the AAAS is "for distinguished contributions to hematopoietic stem cell biology, and cytokine and chemokine actions, and particularly for initiating and advancing the field of cord blood transplantation."

Roodman is director of the Division of Hematology/Oncology and co-director of



Hal Edward Broxmeyer, Ph.D.

the Hematopoiesis, Hematological Malignancies and Immunology research program at the IU Simon Cancer Center. His AAAS Fellow award is "for significant contributions to research and education in cancer and bone research, especially Paget's disease."



G. David Roodman, M.D. Ph.D.

This is the second consecutive year that the AAAS has awarded the distinction to a record number of IU faculty members. This year, 12 faculty from the IU Bloomington College of Arts and Sciences and the IU School of Medicine have been honored with the AAAS award. The announcement brings the total number of AAAS Fellows affiliated with IU to 81. Election as an AAAS Fellow is an honor bestowed upon AAAS members by their peers.

This year, 702 members have been awarded this honor by AAAS because of their scientifically or socially distinguished efforts to advance science or its applications. New Fellows will be presented with an official certificate and a gold and blue (representing science and engineering, respectively) rosette pin on Feb. 16 at the AAAS Fellows Forum during the 2013 AAAS Annual Meeting in Boston.

ISSEC Pitching Your Ideas Workshop

This Ideas Solving Social and Economic Challenges (ISSEC) workshop will focus on the elements of an effective "pitch" with emphasis on 1) crafting statements of the fundamental concepts, and 2) effective delivery techniques. Students will be given tips on how to deliver a compelling presentation in three minutes or less!

Wednesday, January 09, 2013
2 p.m. - 3 p.m.
University Library, UL1116

Please register for the event using the link below.
Questions? Please contact Karen White, kfwhite@iupui.edu or by phone at 274-1083.

Link: <http://crl.iupui.edu/Events/eventsRegistration.asp?id=3021>

Call for AY 2013-2014 Multidisciplinary Undergraduate Research Institute (MURI) Proposals

The Center for Research and Learning welcomes proposals for the [AY 2013-2014 Multidisciplinary Undergraduate Research Institute \(MURI\) at IUPUI](#). Proposals should represent two or more disciplines and should offer undergraduate students the opportunity to engage in a substantive research experience focused on a significant research problem.

This is a unique opportunity provided to IUPUI faculty and researchers for mentoring students while conducting pilot projects or testing new techniques and designs.

Some key points regarding this year's program are as follows:

- Faculty writing proposals are encouraged to review the document entitled

[MURI FAQs for Faculty Submitting Proposals.](#)

- Proposals must be submitted by using the current version of the [MURI Project Proposal Form](#).
- The MURI Review Committee will review the submitted proposals using the [MURI Proposal Evaluation Form](#) (log in with IUPUI username and password).
- Graduate students and post-doctoral trainees may also serve as co-mentors on a team.
- Proposals are due by midnight on March 22, 2013, to the following address: CRLGrant@iupui.edu
- The Proposal Review Committee Meeting is currently scheduled for April 12, 2013
- The announcement regarding funded proposals is currently scheduled for April 16, 2013.
- Once the selected projects are posted to the CRL website, students may apply to MURI and rank their project choices beginning April 30, 2013 with a deadline of September 10, 2013.
- The Academic Year program begins on October 4, 2013, and continues through April 30, 2014.

MURI is jointly funded by the Center for Research and Learning, a division of the Office of the Vice Chancellor for Research, and the School of Engineering and Technology.

Project proposals from [all disciplines](#) on the IUPUI campus are encouraged.

For more information contact Elizabeth Rubens erubens@iupui.edu

FACULTY SPOTLIGHT

Professor Takes Research to Finland, Finding Historical, Archaeological Similarities

Dr. Paul Mullins wanted to compare American consumer society to a location that he thought would be vastly different from the 19th and 20th century urban Midwest. He found the town of Oulu in Finland—only it ended up being not as different as he expected.

The discovery forced him "to rethink what it means to be a city, how people shop for material things, and what constitutes diversity," Mullins found that much of the material culture excavated in northern Finland was similar to what's found in the US which is in turn similar to what is found in most of the world.

So perhaps we are even more alike in our heritage than we think. "It forces us to ask how the same sort of plate or bottle or clothing might be defined in very different ways in distant international reaches," he says.

Mullins, professor and chair of the Anthropology Department in the IU School of Liberal Arts at IUPUI, traveled to Finland three times in the past 12 months to work with colleagues at the University of Oulu.

During his visits he realized they were borrowing heavily from American theory and



Dr. Paul Mullins

method, and while the discoveries of their excavations were similar to the United States, Mullins realized European archaeology had much to teach American scholars. Together, Mullins and his Finnish peers are working to borrow the best of European and American historical archaeologies alike.

The project led Mullins to apply for and, ultimately receive, a Fulbright to spend the fall semester of 2012 at the university. "The Fulbright program focuses on sharing American scholarship and in the process strengthening American research through international partnerships," he says. "My proposal aspired to share much of what American historical archaeologists do while at the same time, potentially complicating Americans' basic assumptions about colonial and post-colonial life through my work in Finland."

During the Fulbright Mullins will also teach seminars in historical archaeology and material culture. Mullins says the University of Oulu is one of the few institutions in Europe with a focus on post-medieval archaeology. "For a discipline that aspires to examine global transformations in the last 500 years, historical archaeology needs to develop research relationships with such colleagues and provide a complex comparative vision of the colonial experience that reaches beyond the US alone," he says.

The University's archaeological fieldwork has focused on the transition from medieval to post-medieval life since the 15th century and the impact of globalization and colonization. During that time, Finland was controlled by a series of states that kept certain types of material culture from reaching small towns like Oulu, located at the far northern end of the Gulf of Bothnia, not far from the Arctic Circle.

"Much of my interest in Finland was driven by the ways social experience is so different from American urbanization, consumption, and colonial experiences, so it provides an interesting way to complicate many of my own assumptions about life in cities, social complexity, and the development of consumer society, all of which have been at the heart of my American scholarship," he says.

Mullins' American research has focused on popular culture, race, and material culture. His 2008 book, *Glazed America: A History of the Doughnut*, garnered national attention from media outlets such as *NPR* and *ABC News*. He's also provided commentary for a documentary attached to *The Adventures of Young Indiana Jones* DVD set. His accomplishments have led to his election as President of the Society for Historical Archaeology, the world's largest international scholarly organization focused on archaeological research of the colonial and post-colonial worlds.

English translations of European archaeological texts are increasing and digitization allows further access to the research. This allows American scholars to be more aware and to participate in the work of their international contemporaries. Mullins says, "I've found many European scholars who would be happy to have American colleagues and students work on their projects, and scores of colleagues in the UK and Europe have been exceptionally gracious and shared their research and time with me."

STUDENT SPOTLIGHT

School of Nursing PhD Students Successfully Compete for NIH grants

Three PhD students have been awarded highly competitive Individual National Research Service Awards (F31) from the National Institute of Nursing Research. These awards are given to students who are conducting dissertation research that is deemed significant and receiving research training that will provide a solid

foundation for a successful scientific career. This was the first NIH award for each of the students.



Dana Hines for her dissertation research titled: "Social Patterns and Pathways of Healthcare Utilization among HIV-Positive Transgender Women" Sponsors: Barbara Habermann and Eric Wright



Andrea Maners for her dissertation research titled: Long-term Psychosocial Impact of Breast Cancer on Young Survivors and Partners" Sponsor: Victoria Champion



Esther Smith-Howell for her dissertation research titled, "End-of-Life Decision-Making among African Americans with Advanced Cancer" Sponsors: Susan Hickman and Susan Rawl

OVCR INTERNAL GRANT DEADLINES

Release Time for Research (RTR): IUPUI maintains a robust research enterprise. To support faculty in having adequate time to prepare competitive proposals, the IUPUI Office of the Vice Chancellor for Research has developed the Release Time for Research (RTR) internal funding mechanism. This funding program allows IUPUI faculty a "buy out" of teaching time to prepare high quality grant/contract proposals for submission to external funding agencies. It also supports non-tenure track faculty who are full-time senior lecturers or clinical track faculty possessing terminal degrees relevant to their fields, and who have a desire to engage in research or creative activity in an area that directly relates to their teaching or service mission. The next RTR application deadline is **February 1, 2013**. For grant guidelines and application forms, go to <http://research.iupui.edu/funding/>.

Developing Diverse Researchers with InVestigative Expertise (DRIVE): The Developing Diverse Researchers with InVestigative Expertise (DRIVE) program is designed to enhance the diversity and research and creative activity mission of IUPUI. Faculty from historically underrepresented populations, usually defined as African-American, Latino-American, Native American, Pacific Islanders, and women are particularly encouraged to apply. The DRIVE program supports projects that have the potential for sustainability through external funding. The next DRIVE application deadline is **February 15, 2013**. For grant guidelines and application forms, go to <http://research.iupui.edu/funding/>.

IUPUI ARTS AND HUMANITIES INTERNAL GRANT (IAHI): The IAHI Grant Program exists to support campus-wide attainment of excellence in research and creative activity in arts and humanities. It is designed to enhance the research and creative activity mission of IUPUI by supporting research projects and scholarly activities that are conducted by arts and humanities faculty. The first IAHI application deadline is **March 1, 2013**. For grant guidelines and application forms, go to <http://research.iupui.edu/funding/>.

Funding Opportunities for Research Commercialization and Economic Success (FORCES): The FORCES program is designed to support IUPUI researchers in the successful transformation of their research findings into commercially viable

outcomes. The key goals of FORCES are to support: 1) realization of short-term projects that will enhance commercial value of IUPUI intellectual property assets, by facilitating commercialization of inventions, technologies, or other intellectual property derived from existing research projects, and 2) development of research initiatives that show great promise for commercialization of the research outcomes. The next RTR application deadline is **March 15, 2013**. For grant guidelines and application forms, go to <http://research.iupui.edu/funding/>.

OVCR EVENTS AND WORKSHOPS

Center Proposals for Signature Centers Initiative

When: Friday, January 11, 2013 | 1:00 PM-3:00 PM

Where: University Library, Room 1126

This workshop is intended for those interested in submitting high quality center proposals to the Signature Centers Initiative program. The intent is to provide the participants with a better understanding of what constitutes a research center and its desired attributes. In addition, the review process and review criteria for Signature Centers Initiative applications will be discussed. Ample time will be given for questions.

[Click here to register](#)

Finding Funding

When: Thursday, January 17, 2013 | 2:00 PM-3:30 PM

Where: University Library, Room 0106

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.

[Click here to register](#)

Meeting the NSF Data Management Plan Requirement: What you need to know

When: Tuesday, January 22, 2013 | 11:30 AM-1:00 PM

Where: University Library, Room 1126

As of January 18, 2011, the National Science Foundation now requires a Data Management Plan for all new proposals. This plan should describe how the proposed study will disseminate and share the collected research results. Do you know what this plan should include? Are you aware of best practices and standards for data management, sharing, and preservation? Do you know what research support services are available at IUPUI? This workshop will provide background information on NSF data policies, practical tips for developing a data management plan, and data resources and services available on campus. Q&A will follow the presentation. Anyone interested in or planning to apply for NSF funding should attend. This is a brown bag session, so feel free to bring your lunch. Presenter: Heather Coates, Digital Scholarship and Data Management Librarian, University Library

[Click here to register](#)

National Science Foundation Faculty Early Career Development Program

The Faculty Early Career Development (CAREER) Program is an NSF-wide activity offering prestigious awards in support of junior faculty who exemplify the role of

teacher-scholars through outstanding research, excellent education and the integration of education and research within the context of the mission of their organizations.

The NSF deadlines for submission of proposals are July 22, 23, and 24, 2013, depending on discipline. If you are interested in applying and would like assistance by OVCR staff, be sure to **register for and attend all of the following sessions**.

Note: Faculty who submit an NSF CAREER proposal in 2013 are eligible to be considered for an OVCR CAREER Project Seed Grant related to that submission. Up to three awards may be made.

» Information & Determining Eligibility Session

When: Friday, February 1, 2013 | 10:00 AM-12:00 PM

Where: University Library, Room 1126

A brief review of the guidelines and eligibility requirements will be presented. Attendees will also learn what resources are available to support development of a competitive proposal to the National Science Foundation CAREER program.

[Click here to register](#)

» Panel of Successful NSF CAREER Applicants

When: Friday, March 8, 2013 | 10:00 AM-12:00 PM

Where: University Library, Room 1126

As a follow-up to the initial introductory session in February, recent NSF CAREER awardees will share tips on securing funding through this program and answer questions from attendees.

[Click here to register](#)

» Commitment and Match Day for Faculty and OVCR Staff

When: Friday, April 12, 2013 | 10:00 AM-12:00 PM

Where: University Library, Room TBD

The Office of the Vice Chancellor for Research Proposal Development team will provide one-to-one support for developing and submitting NSF CAREER proposals. Attendees at this session will present their proposal concepts and be matched with an experienced professional writer/editor who will work with them through submission.

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 table highlights those receiving \$100,000 or more in external grants.

Grants and Awards - October 2012

PI	Agency	Project Title	School	Department	Total
SACHS,GREG ALAN	CENTERS FOR MEDICARE AND MEDICAID	The OPTIMISTIC Project - Optimizing Patient Transfers, Impacting Medical quality, and Improving Symptoms:	MEDICINE	GENERAL INTERNAL MEDICINE	\$3,406,569

	SERVICES				
		Transforming Institutional Care			
DAVIS,STEPHANIE DUGGINS	NATIONAL HEART, LUNG AND BLOOD INSTITUTE	Early Cystic Fibrosis Lung Disease Studies in Humans, NHLBI (R01)	MEDICINE	PED-PULM CRITICAL CARE/ALLERGY	\$2,235,944
NICOL,GRANT D.	NATIONAL INSTITUTE NEUROLOGICAL DISORDERS & STROKE	The role of atypical PKCs in sensitization of sensory neurons by NGF	MEDICINE	PHARMACOLOGY & TOXICOLOGY	\$2,013,263
HAMMOND,FLORA MCCONNELL	U.S. DEPARTMENT OF EDUCATION	Brain Research in Aggression and Irritability Network (BRAIN): Building Evidence-Based Approaches to Managing Traumatic Brain Injury	MEDICINE	PHYSICAL MEDICINE & REHAB	\$1,710,000
GUSIC,MARYELLEN ELIZABETH	HEALTH RESOURCES AND SERVICES ADMINISTRATION	Interprofessional Public Health Education at Indiana University School of Medicine	MEDICINE	EAD - EDUCATION	\$1,467,600
DOWNES,STEPHEN M	AGENCY FOR HEALTHCARE RESEARCH AND QUALITY	Computer-Supported Management of Medical-Legal Issues Impacting Child Health	MEDICINE	PED-HEALTH SERVICES RESEARCH	\$1,459,953
MONAHAN,PATRICK O	NATIONAL INSTITUTE ARTHRITIS MUSCULOSKELETAL SKIN	Responsiveness and Clinical Validity of PROMIS Pain and Depression Measures	MEDICINE	DEPT OF BIostatISTICS	\$954,720
KURIHARA,NORIYOSHI	U.S. ARMY MEDICAL RESEARCH AND MATERIEL COMMAND	Role of TAF12 in the Increased BDR Activity in Paget's Disease of Bone	MEDICINE	HEMATOLOGY/ONCOLOGY	\$903,196
O'NEIL,JOSEPH	INDIANA CRIMINAL JUSTICE INSTITUTE	Automotive Safety Program	MEDICINE	PED-TRAFFIC SAFETY	\$850,000
XU,XIAO-MING	U.S. ARMY MEDICAL RESEARCH AND MATERIEL COMMAND	Targeting acute spinal cord injury using polymer micelles releasing bisperoxovanadium (bpV)	MEDICINE	NEUROLOGICAL SURGERY	\$686,674
NUNN,SAMUEL	INDIANA CRIMINAL JUSTICE INSTITUTE	TRAFFIC SAFETY PROJECT 2012	SPEA	PUBLIC & ENVIRONMENTAL AFFAIRS	\$350,000
CICCARELLI,MARY R.	INDIANA STATE DEPARTMENT OF HEALTH	INDIANA STATE DEPARTMENT OF HEALTH	MEDICINE	PED-EDUCATION OFFICE	\$320,000
BROWNING,BARBARA	U.S. DEPARTMENT OF EDUCATION	IUPUI Upward Bound IPS	UNIVERSITY COLLEGE	UNIVERSITY COLLEGE	\$279,000
ROHR-KIRCHGRABER,THERESA MARIE	INDIANA STATE DEPARTMENT OF HEALTH	Center of Excellence Prevention of Teen Pregnancy	MEDICINE	OBSTETRICS AND GYNECOLOGY	\$268,345
CLARE,SUSAN ELIZABETH	THE BREAST CANCER RESEARCH FOUNDATION	Development of a Molecular Encyclopedia of the Normal Human Breast	MEDICINE	GENERAL SURGERY	\$240,000
MILLER,KATHY D.	THE BREAST CANCER RESEARCH FOUNDATION	Impact of Breast Cancer Treatment on Energy Expenditure Pilot Trial	MEDICINE	HEMATOLOGY/ONCOLOGY	\$227,334
DOMINGUEZ,JESUS H.	U.S. DEPARTMENT OF DEFENSE	Intravenous renal cell transplantation for polycystic kidney disease.	MEDICINE	NEPHROLOGY	\$192,500
MILLER,KATHY D.	SUSAN G. KOMEN BREAST CANCER FOUNDATION	PARP Inhibition After Preoperative Chemotherapy in Patients with Triple Negative Breast Cancer or Known BRCA 1/2 Mutations: A Clinical Translational Prelude	MEDICINE	HEMATOLOGY/ONCOLOGY	\$175,000
ARRIZABALAGA,GUSTAVO A	AMERICAN CANCER SOCIETY, INCORPORATED	Initiation of motility in the opportunistic pathogen Toxoplasma gondii	MEDICINE	PHARMACOLOGY & TOXICOLOGY	\$155,898
COUNSELL,STEVEN R.	AMERICAN FEDERATION FOR AGING RESEARCH	2012 Hartford Center of Excellence in Geriatric Medicine	MEDICINE	GENERAL INTERNAL MEDICINE	\$150,000
		Program in Skill			

SCHWARTZ,JENNIFER E	WALTHER CANCER FOUNDATION, INC.	Development in Effective Doctor-Patient Communication	MEDICINE	IUSM-SOUTH BEND	\$131,140
HUDSON,DEBORAH MARGOT	INDIANA PUBLIC HEALTH ASSOCIATION	Bringing Indiana Along	MEDICINE	CANCER CENTER	\$123,867

Grants and Awards - November 2012

PI	Agency	Project Title	School	Department	Total
KIOVSKY,RICHARD DEAN	HEALTH RESOURCES AND SERVICES ADMINISTRATION	Indiana AHEC Network (Point of Service Maintenance and Enhancement) 2012-17	MEDICINE	AREA HEALTH EDUCATION CENTERS	\$3,887,632
SWIEZY,NAOMI BETH	INDIANA DEPARTMENT OF EDUCATION	HANDS in Autism Model: Training for Success in the Education Setting	MEDICINE	PSYCHIATRY	\$681,555
KIOVSKY,RICHARD DEAN	HEALTH RESOURCES AND SERVICES ADMINISTRATION	Indiana AHEC Network (Infrastructure Development) 2012-13	MEDICINE	AREA HEALTH EDUCATION CENTERS	\$619,584
FOROUD, TATIANA M.	MICHAEL J FOX FOUNDATION FOR PARKINSONS RESEARCH	Consortium to Identify LRRK2 Modifiers of Age of Onset	MEDICINE	MEDICAL & MOLECULAR GENETICS	\$576,248
MOTT,NATHAN DAVID	INDIANAPOLIS PUBLIC SCHOOLS	University students rising to the challenge of service and experiential learning working as mentors and tutors serving Learning Centers at Indianapolis Public Schools 2012	E&T	COMPUTER INFO LEADERSHIP TECH	\$535,128
ELMENDORF, JEFFREY S.	ELI LILLY AND COMPANY	Targeting Membrane Cholesterol Accrual/Toxicity as a Novel Approach to Tailored Metabolic Disease Therapy.	MEDICINE	CELLULAR & INTEGRATIVE PHYSIO	\$299,300
SLEDGE JR,GEORGE W	THE BREAST CANCER RESEARCH FOUNDATION	Angiogenesis in Breast Cancer and Tumor Dormancy (this title will be changed when the science documents are uploaded)	MEDICINE	HEMATOLOGY/ONCOLOGY	\$240,000
O'NEIL,JOSEPH	INDIANA STATE DEPARTMENT OF HEALTH	Comprehensive Developmental Pediatric Care for Infants and Children with Special Health Care Needs	MEDICINE	PED-DEVELOPMENTAL PEDIATRICS	\$130,000
ASIRWA,FREDRICK CHITE	PFIZER, INC	AMPATH Oncology Institute Capacity Building	MEDICINE	HEMATOLOGY/ONCOLOGY	\$120,000
PFAFF,MARK STEPHEN	MITRE CORPORATION	Data Mining the Decision Space for Planning and Analysis	INFORMATICS	INFORMATICS	\$108,000

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.

HEALTH RESEARCH AND SERVICES ADMINISTRATION

Health Workforce Research Center: The purpose of the HWRC Cooperative Agreement Program is to increase the amount of high quality, impartial, policy-relevant research on the health workforce available to assist decision-makers at the federal, state and local levels to better understand health workforce needs and to help ensure access to high quality, efficient health care. HWRCs will conduct policy-oriented research, as defined by the collection, analysis, and reporting of data, on health workforce issues and synthesize the results into reports easily understood by a non-technical policy audience. *Application deadline is January 7, 2013.*

Nurse Education, Practice, Quality and Retention (NEPQR): The focus is on projects designed to strengthen the nursing workforce, increase nurse retention, promote coordinated care, improve the quality of patient care, and provide nurses with the skills needed to practice in existing and emerging organized health care systems. *Application deadline is January 25.*

NATIONAL ENDOWMENT FOR THE HUMANITIES

Institutes for Advanced Topics in the Digital Humanities: The focus is on national or regional (multistate) training programs for scholars and advanced graduate students to broaden and extend their knowledge of digital humanities. Through these programs, NEH seeks to increase the number of humanities scholars using digital technology in their research and to broadly disseminate knowledge about advanced technology tools and methodologies relevant to the humanities. The projects may be a single opportunity or offered multiple times to different audiences. *Application deadline is March 7, 2013.*

NATIONAL INSTITUTES OF HEALTH

NINDS Cooperative Program in Translational Research (U01): The focus is on preclinical development and testing of new therapies for neurological disorders. The program will facilitate therapy-directed projects to accelerate the translation of basic research discoveries into therapeutic candidates for clinical testing. Projects should include therapeutic leads, a strong biological rationale for the intended approach, and where available *in vivo* proof-of-concept of efficacy. *Application deadline is February 7, 2013.*

Diffusion of Medical Technology and Effects on Outcomes and Expenditures (U01): The focus is on economic research designed to explain the diffusion of health technologies both to understand trends in health outcomes and to improve the process leading from scientific advances to health benefits. *Application deadline is February 28, 2013.*

Age-Related Changes in Osteoimmunology (R01): The focus is on research activities on osteoimmunology in order to broaden our understanding of aging aspects of osteoimmunology, using animal models. Most studies in this field have been conducted in young mouse models (usually animals less than 6 months of age). Under those conditions, it is not possible to ascertain the effects of aging in the balance between bone metabolism and immune function. Studies sought under this FOA should focus on the impact of the age-related decline in immune function on bone homeostasis or conversely on the age-related changes in the bone marrow niche affecting the immune interactions with bone. *Application deadline is February 7, 2013.*

NATIONAL SCIENCE FOUNDATION

Promoting Research and Innovation in Methodologies for Evaluation (PRIME): The Promoting Research and Innovation in Methodologies for Evaluation (PRIME) program seeks to support research on evaluation with special emphasis on exploring innovative approaches for determining the impacts and usefulness of STEM education projects and programs; building on and expanding the theoretical foundations for evaluating STEM education and workforce development initiatives, including translating and adapting approaches from other fields; and growing the capacity and infrastructure of the evaluation field. *Application deadline is February 20, 2013.*

U.S. ARMY MEDICAL RESEARCH AND MATERIEL COMMAND BROAD AGENCY ANNOUNCEMENT FOR EXTRAMURAL MEDICAL RESEARCH

Research interests have been updated for this program. Before submitting full proposal/applications, organizations are required to explore USAMRMC interest by submitting preliminary research proposal/applications (pre-proposal/pre-applications). Pre-proposal/pre-applications may be submitted at any time prior to the BAA closing date of September 30, 2013. [Full Announcement](#)

NOTE: All faculty, researchers, and scientists on continuing contracts at IU interested in applying for Department of Defense funding are eligible for assistance by the consulting firm--Cornerstone Government Affairs-- arranged by the Vice President for Research. Those interested in securing assistance from Cornerstone must submit a 2 page summary of their research project and a CV or biosketch to the VP for Research Office at vpr@iu.edu. Prior to submission, the IUPUI Office of the Vice Chancellor for Research is offering assistance with the 2 page summaries. For more information, contact Ann Kratz akratz@iupui.edu.

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/listerv.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://service.govdelivery.com/service/multi_subscribe.html?code=USNSF&custom_id=823. 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 <https://www.fbo.gov>. 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://research.iu.edu/limited_sub.shtml. 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.

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. Please contact [Dee Metaj](mailto:Dee.Metaj) at 317-278-5644 if you have any questions regarding this list.

IU Authentication is required to view the following attachments:

[IUF Special Handling List and 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

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