

Research Enterprise

March 13, 2012

INSIDE THIS ISSUE:

- [Message from the Vice Chancellor](#)
- [Feature Story](#)
- [Announcements](#)
- [Faculty Spotlight](#)
- [Student Spotlight](#)
- [Translational Research Impact](#)
- [OVCR Internal Grant Deadlines](#)
- [OVCR Events and Workshops](#)
- [Other Events and Workshops](#)
- [Recent External Funding Awards](#)
- [Current External Funding Opportunities](#)
- [Identifying Funding Opportunities](#)

MESSAGE FROM THE VICE CHANCELLOR

Dear Colleagues,

I would like to extend a personal invitation to each of you to join us in a celebration of IUPUI research and scholarly activity at the **[2012 IUPUI Research Day](#)**, on April 13th. This event will be held in the Campus Center, on the fourth floor, from 9:00 am to 4:30 pm. The program in the morning will include student (graduate, professional and undergraduate) oral and poster presentations coordinated by the [Center for Research and Learning](#) (9:00 to 12:00 pm). The program in the afternoon will start at 1 pm, and will include faculty award recognitions, presentation by the keynote speaker, concurrent research poster and exhibit sessions, and networking reception.



Vice Chancellor Kody Varahramyan

Our keynote speaker this year is Dr. Subra Suresh. Dr. Suresh has been the Director of the National Science Foundation since October 2010. He was nominated to this position by President Barack Obama and unanimously confirmed by the U.S. Senate in September 2010. As director of this \$7-billion independent federal agency, he leads the only government science agency charged with advancing all fields of fundamental science and engineering research and related education. NSF's programs and initiatives keep the United States at the forefront of scientific fields, empower future

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.

Research Offices:

[Development](#)
[Administration](#)
[Compliance](#)
[Enterprise Archive](#)

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.



Dr. Subra Suresh, Director
National Science Foundation

generations of researchers, and foster economic growth and innovation. Since joining NSF, Dr. Suresh has established several new initiatives, including INSPIRE (Integrative NSF Support Promoting Interdisciplinary Research and Education), PEER (Partnerships for Enhanced Engagement in Research, in collaboration with USAID), the NSF Career-Life Balance Initiative, and the NSF Innovation Corps.

The faculty awards will recognize the 2012 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 by many of the major units that provide resources and programs in support of research and scholarly activity at IUPUI.

Research Day is a great way for IUPUI faculty, staff, and students, and their academic, industrial, governmental partners, along with the broader community, to learn 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/researchday2012/index.php>.

[Click here to register.](#)

I look forward to seeing all of you at the April 13 Research Day!

Kody Varahramyan
Vice Chancellor for Research

FEATURE STORY

U.S. Secretary of Energy Makes Special Visit to IUPUI

United States Secretary of Energy Steven Chu made a special visit to IUPUI's campus Monday, March 5, 2012 to meet with university leaders and conduct a Town Hall forum with students to discuss the future of clean energy.

Secretary Chu's visit came following an announcement in September that the Purdue School of Engineering and Technology at IUPUI would receive a \$1.3 million grant from the Department of Energy (DOE) to train undergraduate- and graduate-level students in manufacturing efficiency as part of the DOE's Industrial Assessment Center program. IUPUI is one of only 24 sites across the nation – and



Secretary Chu fields questions at IUPUI Town Hall

the only institution in Indiana – selected to participate in the program.

“As President Obama made clear, an American economy built to last will depend on American manufacturing, American energy and skills for American workers,” said U.S. Energy Secretary Steven Chu. “This is why the Energy Department is investing in innovative initiatives like the Industrial Assessment Center at IUPUI that is helping to train the clean energy workforce of tomorrow, while saving money for American companies and manufacturers.”

Secretary Chu spent the first part of his visit debriefing with university officials and touring the IUPUI Industrial Assessment Center and various energy labs. The Energy Department announced in February that to date, the assessment centers across the country have helped save over 530 trillion BTUs of energy – enough to meet the energy needs of 5.5 million American homes – and helped participating manufacturers save more than \$5.6 billion in energy costs.

The Energy Secretary then held a Town Hall forum with students, faculty and business leaders to discuss the future of clean energy.

“It was a great honor to host Secretary Chu on our campus,” said David Russomanno, Dean of the Purdue School of Engineering and Technology at IUPUI. “We are very pleased to be part of the DOE’s Industrial Assessment Center program, and thank the DOE for their help in creating an opportunity for our students and faculty to partner with businesses to make significant energy efficiency and cost saving gains.”

The DOE assessment program is a natural fit for the School of Engineering and Technology, which has long advocated programs that train students to improve the efficiencies of manufacturing and energy-related processes. The School currently offers a B.S. in Energy Engineering – the only program of its kind in the nation – and works with its Richard G. Lugar Center for Renewable Energy to conduct energy-related research and disseminate its findings.

For more information about the DOE’s Industrial Assessment Center program, visit http://www1.eere.energy.gov/manufacturing/tech_deployment/iacs.html.

ANNOUNCEMENTS

New Ideas Solving Social and Economic Challenges (ISSEC) Program Announced

The Ideas Solving Social and Economic Challenges (ISSEC) is a program to reward IUPUI students for their innovative ideas to solve social and economic challenges facing the nation and the world. The emphasis of the program is on providing answers to real-world problems, through new approaches, products, services, or ventures. ISSEC challenges IUPUI students--individuals or teams--to propose original solutions to pressing social and economic challenges. One member of each team will have two minutes to present to judges their concept or solution. The time constraint of this “elevator pitch” format challenges the presenters to present themselves, and their ideas, in a concise and persuasive manner.

ISSEC is open to all IUPUI students (i.e. undergraduate, graduate, and professional), who are currently enrolled and in good standing. Ideas presented can be at any stage of development, but must be “pre-revenue” ideas. Presentations must be conducted without visual aids. The pitch will be judged by local experts and professionals, who will look for the student’s ability to convey clearly an idea and the value proposition represented in a professional manner.

March 5–19: Program opens for pre-registration online
April 1 at 11:59 pm: Completed proposals due online

The ISSEC is a program to reward IUPUI students for their innovative ideas to solve social and economic challenges facing the nation and the world.

1st Place: \$2,500

2nd Place: \$1,000

3rd Place: \$500

\$1,000 award for "audience choice" at April 18 presentation.

Proposal and pitch development workshops will be offered to registered presenters. (see [workshops](#) or [OVCR Events for schedules](#))

For complete details, visit <http://crl.iupui.edu/issec/>.

Physician's Therapeutic Art Featured at the IUPUI Cultural Arts Gallery

Curated by Dr. Jeffery M. Rothenberg, associate professor of clinical obstetrics and gynecology in the School of Medicine, this month's IUPUI Cultural Arts Gallery exhibition is dedicated to those who see the value of art as therapy--for themselves. The "Art Heals: Celebrating Art as Therapy" exhibition encompasses the work of 15 different artists as well as a youth and teen class and is comprised of multiple media art forms. Displayed is a diverse and colorful body of work including paintings, pastels, mosaics, metal, ceramic, wood, glass, photography and poetry.



Jeffery M. Rothenberg, M.D.
Department of Obstetrics and Gynecology
School of Medicine

In addition to studying art, the process and products of actually creating art can increase awareness of one's self and others. "The practice of art therapy, for example, can aid us as healers and facilitate our patients in coping with symptoms, stress, and traumatic experiences," says Dr. Rothenberg. "The arts give people a tool for self-expression and provide a way of processing emotions that we may not fully understand or that have been so overwhelming that they can only be handled indirectly or in small increments."

Creating art is an important vehicle to help understand social and cultural differences that exist in society. The arts can also provide insight into the human condition, suffering, and personhood, as well as foster a feeling of our responsibility to each other.



Glass art by Jeffery M. Rothenberg

According to Dr. Rothenberg, the practice of art--whether as an observer or as a literary, performing or creative artist--heightens the senses and helps focus on details. Art gives people a tool for self-expression and for processing information that may be overwhelming when absorbed in mass quantities. "This collection of diverse work represents many people from different backgrounds living and working in central Indiana--who simply feel that they must do art for themselves--people who realize and appreciate the value that creating art has in bettering their lives," he says. This effort is also supportive of the IUPUI Arts and Humanities Initiative, for which Dr. Rothenberg serves as a council member.

The "Art Heals: Celebrating Art as Therapy" exhibition will run at the IUPUI Cultural Arts Gallery through May 30, 2012. Associated events include:

Art Therapy Informational Session and Introduction of New Masters in Art Therapy

offered through Herron, March 15th 1-3PM

"Medical Professions and the Arts" March 22nd 1-3PM

"Music & Healing" March 29th 1-3PM

To hear Dr. Rothenberg's thoughts on glass therapy, visit <http://www.youtube.com/watch?v=aesbzB9s4yY>.

National Institutes of Health (NIH) Regional Seminar in Indianapolis - Volunteers Needed

Volunteers are needed to help with the NIH Regional Seminar, where the National Institutes of Health provides detailed information and advice on its grants-making process. Young investigators, post-docs, students at all levels and staff are invited to help.

On Tuesday April 17 and Wednesday April 18 NIH officials will offer seminar sessions aimed at grants administrators, investigators and others involved with the NIH grants process.

Topics include grant budgeting, compliance issues, successful grant writing, conflict of interest issues and how study sections work.

On Monday, April 16, there will be two half-day hands-on computer workshops on electronic Research Applications (eRA).

Volunteers are needed for all three days.

Volunteers not only get in free on the day they volunteer but get a discount if they want to attend another day. The main conference fee is \$500, but the fee for one day of the conference is \$215 for volunteers. The computer workshop is \$250, but volunteers can attend for \$210.

Many of the volunteer duties involve room monitoring which will enable volunteers to observe and learn from those sessions. Other duties will include working the registration desk and as "floaters." Although we can't promise specific assignments at specific times, we will try to be flexible.

Volunteers are requested to work a full day (7 am to 5 pm) but we will try to accommodate half-days.

Volunteers will be asked to attend a 30-minute orientation session on either Sunday April 15 or Monday April 16, depending on when they are scheduled to volunteer.

For more information about the seminar, go to http://grants.nih.gov/grants/regionalseminars/Indiana_2012/registration.html. To sign up to volunteer go to http://www.certain.com/system/profile/form/index.cfm?PKformID=0x1216_5716b57.

Questions can be directed to Eric Schoch of IU Communications at eschoch@iu.edu or 317-274-8205.

IUPUI Lab Reagents LISTSERV

The new IUPUI Lab Reagents LISTSERV has been created, enabling researchers to share lab reagents (plasmids, cell lines, odd chemicals, etc.) across the IUPUI campus. It is anticipated that this resource will make such sharing time-effective and cost-efficient.

Signing up is easy. Simply send a message to listserv@iupui.edu with "subscribe IUPUI_Reagents-I" in the BODY of the message. You must use an IU-affiliated email

address to register. All those involved in laboratory research are encouraged to subscribe! Safeguards are in place to avoid spam, and the list will be monitored for inappropriate use.

Questions can be directed to Dr. Tim Corson at tcorson@iupui.edu, in the Eugene & Marilyn Glick Eye Institute.

2012 Research Day Graduate and Professional Student Poster Abstract Deadline

Graduate and professional students are encouraged to submit abstracts (300 words or less) for poster presentations at the IUPUI Research Day. Presentations will be from 10:00am to noon on Friday, April 13, 2012. The deadline for submission of abstracts is March 23, 2012. Abstracts can be submitted at:

<http://www.crl.iupui.edu/events/researchday/gradSubmissionGuide.asp> The top poster presentation will receive \$500. Second place will receive \$300, and third place will receive \$200. Questions should be sent to grchism@iupui.edu

FACULTY SPOTLIGHT

Faculty Member Focuses on Pathways Employed by Living Cells to Repair DNA Breaks

An authority in genomic instability, Dr. Anna Malkova focuses her research on pathways employed by living cells to repair double-strand DNA breaks. Abnormal repairs are believed to promote cancer in humans.

Dr. Malkova, associate professor of biology in the School of Science, came to the United States from St. Petersburg, Russia, in 1993. She spent nearly a decade as a post-doctoral fellow at Brandeis University. During that time, Dr. Malkova uncovered Break-Induced Replication (BIR), a pathway to repair DNA lesions.



Anna Malkova, Ph.D.
Department of Biology
School of Science

Today, her research focuses on Break-Induced Replication. It has been suggested that some tumor cells use BIR to stabilize their chromosomal ends, leading to immortalization. Break-Induced Replication is implicated in formation of chromosomal rearrangements that affect genes involved in cell cycle regulation, leading to cancer.

Anna Malkova's lab is comprised of two Ph.D. students, one master's degree student, one post-doctoral fellow, one technician, three undergraduate research assistants, and five freshmen students who are planning to continue their research in Dr. Malkova's lab.

Brandon Downing, School of Science alumnus starting his second year in Indiana University's M.D./Ph.D. program, attributes his decision to pursue a career in pediatric oncology to Malkova's mentorship. According to Downing, "In Dr. Malkova's lab the research I completed had direct medical relevance. Her infectious enthusiasm motivated me to continue this type of work."

Malkova's support of undergraduate research earned her lab several external grants from the National Institutes of Health, including a five-year award of more than \$1.3 million. Since it opened in 2003, Malkova's lab has received over \$1.76 million in external funding support.

STUDENT SPOTLIGHT

Student's Curiosity Leads to a Passion for Research

Fatoumata Bah, a senior majoring in chemistry at the Purdue School of Science, currently participates in the Ronald E. McNair Postbaccalaureate Achievement Program, which is administered through the IUPUI Center for Research and Learning (CRL). During her freshman year, she was accepted into the Louis Stokes Alliance for Minority Participation (LSAMP) and was able to gain exposure into laboratory research in chemistry.



Fatoumata Bah (right) and faculty mentor Patricia Scott, Ph.D.

Fatoumata credits her natural sense of curiosity as the one thing that drew her to research. "I was curious to find out what interests me in the world and what doesn't, and that's exactly what undergraduate research did for me," she says. Fatoumata went on from LSAMP to conduct clinical research in the Life Health Sciences Internship Program (LHSI) with mentor Dr. Patricia Scott. She enjoyed the research so much that she applied to CRL's McNair program, which enabled her to continue the research with her mentor and pursue publication.

Fatoumata's research is an ongoing longitudinal study analyzing the recovery process of people with liver transplants, currently focused on the impact of fatigue on a patient's return to quality of life. Early findings show that adverse events such as re-hospitalization, surgical complication, and organ rejection greatly impact fatigue, and increased fatigue leads to less participation in valued activities such as returning to work or being involved in family life. Fatoumata and Dr. Scott work closely with the transplant team (transplant surgeons, nurses, and administrators) at IU Health, hoping to translate their findings into education resources. These resources should help patients and their families better understand what to expect during the post-transplant recovery period.

This is Fatoumata's second year working with Dr. Scott, who is associate professor of occupational therapy in the School of Health and Rehabilitation Sciences. "She has been more than a mentor to me, always setting some time aside to assist me despite her very busy schedule. She has significantly contributed to my professional development at IUPUI, and the enthusiasm and passion she displays has increased my confidence," Fatoumata says of her mentor.

According to Fatoumata, "Undergraduate research is one of the best ways students can enhance their learning potential, allowing students to find their area of interest and take steps toward professional growth. Undergraduate research also provides students with excellent networking opportunities and is a great résumé builder."

Fatoumata has recently presented at the IU Undergraduate Research Conference in Kokomo and at the School of Health and Rehabilitation Sciences Alumni Association Interdisciplinary Research Conference. Her abstract has also been accepted for presentation at the 92nd Annual Conference of the American Occupational Therapy Association. Fatoumata feels that presenting research is "one of the most rewarding events one can experience as an undergrad. I am always honored and humbled to have so many people interested in hearing me out and asking questions about my project. It is also a great learning opportunity because it exposes any unclear areas of my research." She expects to graduate in December 2012, and plans to bring her passion for research with her as she becomes a health professional.

TRANSLATIONAL RESEARCH IMPACT

Reviewing State and Federal Policies on Reintegration of Displaced Workers

Dr. Marquita Walker's research seeks new ways of looking at the state and federal policies associated with the reintegration of workers into the workforce after they have been displaced or separated from their jobs. Currently, there exist hundreds of thousands of workers who are unemployed because their firm or corporation downsized or closed due to effects of globalization and economic downturns. The state and federal policies currently in place to help dislocated workers reintegrate into the workplace are designed to put the worker back to work as soon as



Marquita Walker, Ph.D.
School of Social Work

possible without regard to the worker's human value, dignity, or wishes. Looking at dislocation from the worker's perspective, Dr. Walker's research will be able to determine the direct and indirect costs of job loss and assess the difficulty the workers have in moving through the current process of reintegration as outlined by current policy. This information will be helpful to policymakers, the business community, labor organizations, and academics interested in maintaining the value and dignity of the worker as well as reintegrating the worker into the workforce in a position most beneficial to both the worker and the broader community.

Professor Walker is an example of a translational scholar who is committed to going beyond making discoveries. She puts her research to work in programs, training, and applications that make our lives and our communities better.

OVCR INTERNAL GRANT DEADLINES

RESEARCH SUPPORT FUNDS GRANT (RSFG): The 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. The next RSFG application deadline is April 15, 2012. For grant guidelines and application forms, go to <http://research.iupui.edu/funding/>.

OVCR EVENTS AND WORKSHOPS

Writing for Success - Development of a Grant Proposal

When: Wednesday, March 21, 2012 | 1:00 PM-3:00 PM
Where: University Library, Room 1116

This short workshop will provide useful information for developing a successful NIH/NSF grant proposal.

[click here to register](#)

Finding Funding

When: Thursday, March 22, 2012 | 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, 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](#)

OVCR Research Support Funds Grant (RSFG) Information Session

When: Tuesday, April 03, 2012 | 10:00 AM-11:00 AM
Where: University Library, Room 2115E

This session will provide participants with an overview of the Office of the Vice Chancellor for Research (OVCR) Research Support Funds Grant (RSFG) internal funding mechanism for IUPUI faculty. It will also include information on upcoming deadlines, how to apply, the review process, post-award requirements, and how best to use the internal funding to leverage extramural support.

[click here to register](#)

OTHER EVENTS AND WORKSHOPS

Indiana Center for Intercultural Communication (ICIC) Workshop for International Researchers

When: Monday, March 23, 2012 | 9:00 AM-12:00 PM
Where: Riley Outpatient Center Conference Room in the Ruth Lilly Learning Center

This interactive session will provide guidance to non-native English speakers through individual practice and small group discussions to ensure clear oral communication in English. Participants will learn about the key features of oral presentations related to language use and pick up tips on organizational structure, the use of visual aids, and enhancing oral enunciation and pronunciation.

Workshop presenters are Ulla Connor, Ph.D., director of the Indiana Center for Intercultural Communication and Chancellor's Professor of English at IUPUI, an internationally-known speaker and author, and Lauren Harvey, ICIC's assistant director of training, who is also an experienced presenter and TESOL certified trainer.

Registration fee is \$50 for IU/IUPUI students, faculty and staff and is available online at: <http://tinyurl.com/74ozmn2>. For more information, contact ICIC at 317.274.2555, 317.274.2555, icic@iupui.edu or visit ICIC's website at: <http://liberalarts.iupui.edu/icic/>.

The workshop is being developed in collaboration with the Office of Postdoctoral Affairs at the IU School of Medicine.

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 - February 2012

PI	Agency	Project Title	School	Department	Total
	NATIONAL				

KAPLAN, MARK H	INSTITUTE ALLERGY & INFECTIOUS DISEASES	Cytokine Regulation of Skin Barrier Function	MEDICINE	PED-PULMONARY BASIC RESEARCH	\$1,925,000
MCBRIDE, WILLIAM J.	NATIONAL INSTITUTE ON ALCOHOL ABUSE AND ALCOHOLISM	CNS Sites for the Rewarding Actions of Alcohol	MEDICINE	PSYCHIATRY	\$1,732,500
BROUSTOVETSKI, NIKOLAI	NATIONAL INSTITUTE NEUROLOGICAL DISORDERS & STROKE	Mitochondrial Porin in Bioenergetic Defects in Huntington's Disease	MEDICINE	PHARMACOLOGY & TOXICOLOGY	\$1,353,634
CARROLL, AARON EDWARD	THE ROBERT WOOD JOHNSON FOUNDATION	Utility values as a way of operationalizing the question of how to value lives at different ages	MEDICINE	PED-HEALTH SERVICES RESEARCH	\$299,726
CECIL, AMANDA KAY	GLOBAL BUSINESS TRAVEL ASSOCIATION	Educational, Research and Technical Assistance Services with the GBTA	Health, Physical Education and Recreation	TOURISM,CONVT AND EVENT MGMT	\$292,527
LOEHRER, PATRICK J.	INDIANA HEMOPHILIA & THROMBOSIS CTR, INC	AMPATH Non-Malignant Hematology Program	MEDICINE	HEMATOLOGY/ONCOLOGY	\$290,500
SLEDGE JR, GEORGE W	SUSAN G. KOMEN BREAST CANCER FOUNDATION	Proj 1:Examinatin of the human kinome for novel genome-specific therapeutic targets in triple-negative breast cancer; Proj 2:Association of genetic variability with receptor activation of tumor angiogenesis inhibitors: an in vitro genetic biomarker	MEDICINE	HEMATOLOGY/ONCOLOGY	\$250,000
FORTENBERRY, JAMES DENNIS	UNIVERSITY OF ALABAMA BIRMINGHAM	ATN Coordinating Center - ATN 093	MEDICINE	PED-ADOLESCENT MEDICINE	\$186,804
LEECH, TAMARA GOLDEN JOHNSON	INDIANA STATE DEPARTMENT OF HEALTH	Social Immersive Media Project Evaluation (SIMPLE)	LIBERAL ARTS	INST FOR RESEARCH ON SOC ISSUEs	\$159,876
AGHO, AUGUSTINE OSAKHUOMWAN	ST. VINCENT HOSPITALS AND HEALTH SERVICES	Health Careers Opportunity Program	HEALTH AND REHABILITATION SCIENCES	HEALTH AND REHABILITATION SCIENCES OFFICE OF THE DEAN	\$150,600
BIONDICH, PAUL G	NORTHROP GRUMMAN INFORMATION TECHNOLOGY	Phase VI Open Medical Records system (OpenMRS)	MEDICINE	PED-HEALTH SERVICES RESEARCH	\$150,013
ANDERSON, RYAN MALLORY	JUVENILE DIABETES RESEARCH FOUNDATION INTERNATIONAL	Epigenetic regulation of pancreatic beta cell development and regeneration in the zebrafish	MEDICINE	PED-ENDOCRINOLOGY BASIC RES	\$110,000
JALAL, SHADIA I	NATIONAL LUNG CANCER PARTNERSHIP	The role of homology directed repair in NSCLC metastases and response to platinum	MEDICINE	HEMATOLOGY/ONCOLOGY	\$108,000
GRANNIS, SHAUN JASON	UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION	Enhancing Regional Infrastructures for Early Case Capture of Pediatric and Young Adult Cancer Cases	MEDICINE	FAMILY MEDICINE	\$100,557

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.

DEPARTMENT OF DEFENSE

DoD Peer Reviewed Medical Investigator-Initiated Research Award: The program seeks applications in laboratory, clinical, behavioral, epidemiologic, and

other areas of research to advance knowledge in disease etiology; to improve detection, diagnosis, treatment, and quality of life for those affected by a relevant disease or condition; and to develop and validate clinical care or public health guidelines. All applications for PRMRP funding must specifically address at least one of the topic areas directed by Congress and must be directly relevant to the health care needs of military service members, veterans, and/or beneficiaries. If the proposed research does not specifically address at least one of the FY12 PRMRP topic areas, the Government reserves the right to administratively withdraw the application. The Government also reserves the right to reassign the application's topic area if submitted under an inappropriate topic area. The FY12 PRMRP topic areas are: Arthritis; Composite Tissue Transplantation; Drug Abuse; Dystonia; Epilepsy; Food Allergies; Fragile X Syndrome; Hereditary Angioedema; Inflammatory Bowel Disease ; Interstitial Cystitis; Listeria Vaccine for Infectious Disease; Lupus; Malaria; Nanomedicine for Drug Delivery Science; Neuroblastoma; Osteoporosis and Related Bone Disease; Paget's Disease; Polycystic Kidney Disease; Post-Traumatic Osteoarthritis; Scleroderma; Tinnitus; Tuberculosis. Expected funding for 23 grants is a total of \$25.9M. *Required pre-application deadline is April 10, 1012.*

DEPARTMENT OF ENERGY

Advanced Research Projects Agency – Energy (ARPA-E): ARPA-E programs explore creative “outside-the-box” technologies that promise genuine transformation in the ways we generate, store and utilize energy. Unlike conventional DOE research, ARPA-E funds concepts that industry alone cannot support, but whose success would dramatically benefit the nation. Its high risk, high reward programs aim to substantially reduce foreign energy imports; cut energy-related greenhouse gas emissions; and improve efficiency across the energy spectrum. Required Notice of Intent deadline is March 30, 2012. *Three page concept paper deadline is April 12, 2012.*

BILL AND MELINDA GATES FOUNDATION

Grand Challenges Explorations: Focusing is on innovative and unconventional global health and development solutions, the Gates Foundation is now accepting grant proposals for its latest application round. Applicants can be at any experience level; in any discipline; and from any organization, including colleges and universities, government laboratories, research institutions, non-profit organizations and for profit companies. **Proposals are being accepted online until May 15, 2012 on the following topics:** New Approaches for the Interrogation of Anti-malarial Compounds – **NEW**; Aid is Working. Tell the World – **NEW**; Design New Approaches to Optimize Immunization Systems; Explore New Solutions in Global Health Priority Areas; Protect Crop Plants from Biotic Stresses From Field to Market. Initial grants will be US \$100,000 each, and projects showing promise will have the opportunity to receive additional funding of up to US \$1 million. Full descriptions of the new topics and application instructions are available at: www.grandchallenges.org/explorations.

NATIONAL INSTITUTES OF HEALTH

NIMHD Social, Behavioral, Health Services, and Policy Research on Minority Health and Health Disparities (R01): The focus is on innovative social, behavioral, health services, and policy research that can directly and demonstrably contribute to the elimination of health disparities. Projects may involve primary data collection or secondary analysis of existing datasets. Projects that examine understudied health conditions; examine the effectiveness of interventions, services, or policies for multiple health disparity populations; and/or directly measure the impact of project activities on levels of health disparities are particularly encouraged. *Application deadline is June 4, 2012.*

NCI and NIND SBiomechanisms of Peripheral Nerve Damage by Anti-Cancer Therapy (R01, R21):

The focus is on basic biologic research on damage to the peripheral nervous system instigated by pharmacologic cancer treatments, known as chemotherapy-induced peripheral neuropathy (CIPN). *Application deadline: Standard dates apply.*

NATIONAL SCIENCE FOUNDATION

Building Community and Capacity for Data-Intensive Research in the Social, Behavioral, and Economic Sciences and in Education and Human Resources (BCC-SBE/EHR):

As part of NSF's Cyberinfrastructure Framework for 21st Century Science and Engineering (CIF21) activity, the Directorate for Social, Behavioral, and Economic Sciences (SBE), the Directorate for Education and Human Resources (EHR), and the Office of Cyberinfrastructure seek to enable research communities to develop visions, teams, and capabilities dedicated to creating new, large-scale, next-generation data resources and relevant analytic techniques to advance fundamental research for the SBE and EHR sciences. Successful proposals will outline activities that will have significant impacts across multiple fields by enabling new types of data-intensive research. Investigators should think broadly and create a vision that extends intellectually across multiple disciplines and that includes--but is not limited to the SBE or EHR sciences. *Application deadline is May 22, 2012.*

Law & Social Sciences (LSS): The focus is on research that addresses social scientific studies of law and law-like systems of rules. The program is inherently interdisciplinary and multi-methodological. Successful proposals describe research that advances scientific theory and understanding of the connections between law or legal processes and human behavior. Social scientific studies of law often approach law as dynamic, made in multiple arenas, with the participation of multiple actors. Fields of study include many disciplines, and often address problems including though not limited to: Crime, Violence and Punishment; Economic Issues; Governance; Legal Decisionmaking; Legal Mobilization and Conceptions of Justice; Litigation and the Legal Profession. LSS provides the following modes of support: Standard Research Grants and Grants for Collaborative Research; Doctoral Dissertation Research Improvement Grants; Interdisciplinary Postdoctoral Fellowships; Workshop and Conference Proposals. *Application deadline is July 16, 2012.*

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://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.

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.

[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

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