

# Research Enterprise

November 15, 2011

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## FEATURE STORY

### Quality of Life in Indianapolis

The annual quality of life survey conducted by the Indiana University Department of Tourism, Conventions and Event Management (TCEM) examines perceptions of Indianapolis residents on a range of issues, including safety, sense of community, parks and gardens, shopping, transportation, and traffic as well as questioning attitudes about cultural and sports tourism.

Responses to cultural and sports tourism-related questions, Sotiris Hji-Avgoustis, professor and chair of TCEM said, show residents are aware of the city's accomplishments for cultural tourism and sports tourism.

"They see tourism as a recipe for economic success and support using public money for tourism initiatives," he said.

About 75 percent of the respondents said cultural and sports tourism were good for city residents and good for the city's economy. About 75 percent wanted more promotions for sports tourism, while 68 percent said they would like to see more cultural tourism promotions.

The survey found a downward trend between 2009 and 2011 when it comes to the number of Indianapolis residents who felt "very safe" in their homes and neighborhoods. The two most common reasons cited for safety concerns were crime and "stranger danger" – strangers seen in neighborhoods.

In the 2011 survey, 55.6 percent of respondents said they felt very safe at home during the day, compared to 59.4 percent in 2010 and 66.9 percent in 2009. At night, 43.4 percent said they felt very safe in their homes this year, compared to 45.1 percent in 2010 and 48.6 percent in 2009.

Fewer Indianapolis residents (40.2 percent) felt very safe during the day downtown than they did a year ago (45.6 percent). In 2009, 39.5 percent said they felt very safe downtown during the day.



Sotiris Hji-Avgoustis, Ph.D.  
Department of Tourism,  
Conventions and Event  
Management  
School of Physical Education  
and Tourism Management

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.

More respondents to the survey (23 percent), however, said they felt very safe at night, compared to the previous year (17.2 percent) or in 2009 (12.3 percent).

Nonetheless, most city residents gave the city, overall, good marks or were at least neutral in the 2011 survey when asked: How much do you agree or disagree with the statement, "I feel a sense of pride in the way Indianapolis looks and feels in regards to crime?" Nearly 50 percent of the respondents said they strongly agreed or agreed with the statement, while 28.9 were neutral. Only 20.5 percent disagreed or strongly disagreed with the statement.

There is no clear explanation why fewer residents said they felt very safe at home or in their neighborhoods. Overall, the results seemed to say that for the city, as a whole, crime was not a major problem, said Sotiris Hji-Avgoustis, professor and chair of TCEM. A majority also indicated Indianapolis has a reliable police presence.

The survey of 350 city residents was conducted in September at three festivals: American Rib Festival, October Fest and Irish Fest - and First Friday, a monthly arts event along Massachusetts Avenue. Surveyors also questioned city residents at four events at Lucas Oil Stadium, including a college football game, two NFL games, and a Horseshoe Hall of Fame competition.

## ANNOUNCEMENTS

### Lugar Center Director Lands Patent

Dr. Peter Schubert—recently appointed director to the Lugar Center for Renewable Energy at IUPUI—has hit the ground running. On Nov 1, the US Patent and Trade Office granted Patent 8,046,946— Dr. Schubert's 35th Patent and his first in the field of firearms. The patent was granted just two weeks after Dr. Schubert began his new appointment at IUPUI. Dr. Schubert's newest patent gains exposure for both the School and IUPUI on a global level.

The nature of the patent is an automatic shot counter for self-loading firearms (fully and semiautomatic) which harvests energy from the movement of parts internal to the gun. It therefore needs no battery, and could conceivably last for the life of the weapon. This invention was the subject of \$350,000 in grants from the Department of Defense, and resulted in two successful demonstrations: one as a stand-alone device, counting 1199 of 1199 shots (a world record); the second integrated with a military vehicle network where the weapon provided real-time information to a vehicle commander for shots fired and rounds remaining.

The benefit is that firearms can be serviced when needed, based on shots fired, rather than on calendar date – which is inefficient. This new technology can save the Pentagon millions of dollars and provide greater field reliability for the equipment carried by our soldiers.

Dr. Schubert brings over 25 years of industry experience and energy-related research, with sponsors such as the USDA, DOE, DOD and NASA, to the Lugar Center as it addresses pressing energy issues facing Americans in an increasingly-volatile global climate.



Peter Schubert, Ph.D.  
Lugar Center for Renewable Energy  
School of Engineering and Technology

### IUPUI Imaging Research Workshop

The IUPUI Imaging Research Council invites you to the first IUPUI Imaging Research Workshop that will be held on Thursday, November 17, 2011 (8:30 AM – 3:00 PM). Program activities will take place in Walther Hall (R3) Auditorium, Medical Science Building Atrium, R2 and R3 breakout rooms, and R3 Auditorium. Register for the workshop at <http://crl.iupui.edu/Events/eventsRegistration.asp?id=2626>.

The purpose of this workshop is to help raise campus-wide awareness of the broad spectrum of imaging research activity within our IUPUI community.

The workshop will feature a keynote presentation by **Dr. Jane Silverthorne, Acting Division Director for Integrative Organismal Systems**, from the National Science Foundation (NSF). Her presentation will showcase new NSF initiatives and opportunities.

The following is the program for the day and specific locations for each activity.

*Walther Hall (R3) Auditorium*

8:30-8:50 am – Registration,

9:00-9:10 am – Welcome

9:10-10:00 am – Keynote

10:00-11:30 am – IUPUI Imaging Research Presentations

*Medical Science Building Atrium*

11:30 am–1:00 pm – Poster Session / Luncheon

*R2 and R3 breakout rooms and R3 Auditorium*

1:00-3:00 pm – Breakout Sessions

Register for the workshop at <http://crl.iupui.edu/Events/eventsRegistration.asp?id=2626>.

### **IU New Frontiers and IUPUI Arts and Humanities Internal Grant Information Session Offered**

The IUPUI Arts and Humanities Institute will offer an information session for IUPUI faculty who are interested in developing a proposal for the IU New Frontiers and IUPUI Arts and Humanities Internal (IAHI) grant mechanisms. The session will be held on November 29, 2011, from 1:00 pm to 2:30 pm in University Library room 1126. This session will provide participants with an overview of the deadlines for these funding opportunities, how to apply and, more importantly, how to develop a competitive proposal. Members of the IAHI and New Frontiers grants advisory groups will be present to answer questions, as well as IUPUI faculty who have received one or both of these grants and who have reviewed arts and humanities proposals.

To register for this event, go to <http://crl.iupui.edu/Events/eventsRegistration.asp?id=2690>. Questions may be directed to Etta Ward at 278-8427 or [emward@iupui.edu](mailto:emward@iupui.edu).

## **CENTER SPOTLIGHT**

### **Alzheimer's Center Lands Major Grant**

The National Institutes of Health has renewed funding to the Indiana Alzheimer Disease Center at the IU School of Medicine for the fifth consecutive five-year term, awarding the center its largest grant yet of \$9.1 million.

The grant will enable the Center's scientists and doctors

to continue their work in state-of-the-art research aimed at developing a better understanding of the causes and potential treatments for Alzheimer disease and other dementias, said Bernardino Ghetti, M.D., the center director.

The center also offers a variety of educational and outreach programs, including an annual spring educational symposium with sessions for scientists, health care providers, and caregivers.



Bernardino Ghetti, M.D.  
Indiana Alzheimer Disease Center  
School of Medicine

The funding renewal marks the 20th anniversary of the center being named an NIH-designated and funded Alzheimer disease center. As one of 29 such centers in the U.S., the Indiana Alzheimer Disease Center's investigators tackle a broad range of dementia-related issues and have developed a reputation for specialized expertise in several areas:

- Hereditary Alzheimer disease: In these forms, symptoms of the disease appear frequently at much younger ages than in the forms of the disease that affect the elderly. The center's researchers and physicians have been working with some families for as long as 35 years.
- Frontotemporal dementias: These are a group of brain disorders that affect the frontal and temporal lobes of the brain and sometimes are misdiagnosed as Alzheimer disease. These areas of the brain are functionally involved in reasoning, emotions and memory. Center researchers have helped identify several genetic mutations associated with such dementias. Also, the center hosted the 7th International Conference on Frontotemporal Dementias in October 2010.
- Prion diseases: These are progressive neurodegenerative disorders associated with abnormal forms of the prion protein in the brain. Center researchers have identified the genetic underpinnings for various forms of prion disease.

Recent dementia research has enabled investigators and physicians to recognize that there are many different types of Alzheimer disease and dementias, said Dr. Ghetti, Distinguished Professor, Indiana University, and Chancellor's Professor, Indiana University-Purdue University, Indianapolis.

The Indiana Alzheimer Disease Center is composed of six cores:

- Administrative core led by Dr. Ghetti,
- Clinical core led by Martin R. Farlow, M.D., Professor of Neurology,
- Data and statistics core led by Sujuan Gao, PhD., Professor of Biostatistics,
- Neuropathology core led by Dr. Ghetti,
- Education and information transfer core led by Mary G. Austrom, Ph.D., Wesley P. Martin Professor of Alzheimer's Education, and
- Neuroimaging Core led by Andrew J. Saykin, Psy.D., Raymond C. Beeler Professor of Radiology and director of the IU Center for Neuroimaging.

The Neuroimaging core was added in 2009. The emergence of sophisticated imaging tools has been particularly significant in both better diagnosis of patients and research into causes and potential treatments for dementia.

"Today with imaging we are doing things we did not dream of when we started this center in 1991," said Dr. Ghetti.

Nevertheless, as the center moves into its third decade of NIH-designated support,

fundamental research questions remain, such as a detailed understanding of the relationship between the tau and amyloid proteins that play key roles in the development of Alzheimer disease.

### **IUPUI Center Receives \$507,000 Lilly Endowment Grant for National Study on the Bible**

Lilly Endowment Inc. has awarded the Center for the Study of Religion and American Culture at IUPUI a \$507,000 grant to support a study on how Americans relate to the Bible in their everyday lives. The three-year project, "The Bible in American Life," is the first large-scale national study on the way scripture is read and interpreted in everyday life.

Three principal investigators and professors of religious studies at IUPUI will lead the study: Philip Goff, Ph.D., executive director of the center; Arthur Farnsley, Ph.D., associate director of the center; and Peter Thuesen, Ph.D., chair of the Department of Religious Studies.

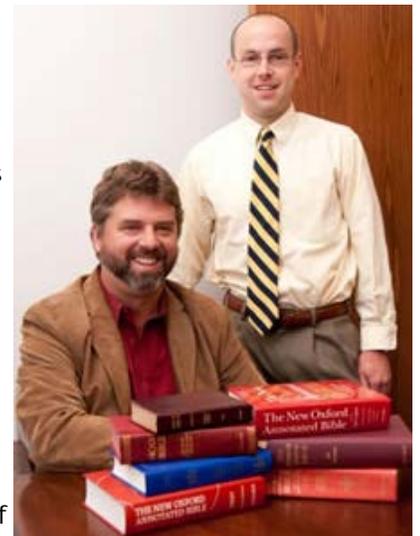


Philip Goff, Ph.D.  
Department of Religious Studies  
School of Liberal Arts

According to Goff, the project is driven by the recognition that although the Bible has been central to both public life and Christian practice throughout American history, not much is known about how people read the Bible for themselves or how religious life and practice affect an individual's understanding of scripture.

"We do not know enough about how, where, when, and why Americans use the Bible, especially any uses outside of worship services. Religious leaders are preaching and teaching (the Bible), politicians are quoting it, and many Americans say they believe it to be divinely inspired or even infallible, but claims about its use often contain conflicting information that can be difficult to interpret and reconcile," Goff said.

During the first stage of the study the grant will support research on scriptures tied to two leading scientific surveys, the National Opinion Research Council's 2012 General Social Survey, and Duke University's National Congregations Study. The second stage will involve an historical and cultural interpretation of the surveys by a team of scholars of the Bible in America. A white paper will be released in 2013, and a national conference with peer-reviewed papers will be held in Indianapolis in 2014.



Arthur Farnsley, Ph.D. (left) and Peter Thuesen, Ph.D. with a stack of bibles

Based at the IU School of Liberal Arts at IUPUI, the Center for the Study of Religion and American Culture is comprised of 40 scholars dedicated to examining the nation's mainstream and non-mainstream religions within their cultural and historical contexts. Through its studies, the center increases scholarly and public understanding of the nation's diverse faiths.

The recent Lilly Endowment award comes during the 400th anniversary of the first edition of the King James Bible. Generally considered the best-read and most-cited text in the English language, the King James Bible has had an immeasurable impact on secular as well as religious culture.

"We are gratified that Lilly Endowment has been at the forefront of recognizing the importance of the ever-changing way that we, as Americans, live and practice our many beliefs, and examine ourselves as people of faith," said William Blomquist,

Ph.D., dean of the School of Liberal Arts, in announcing the award.

For more information, contact the Center for the Study of Religion and American Culture at: (317) 274-8409, or visit: <http://www.iupui.edu/~raac>.

## FACULTY SPOTLIGHT

### Multimedia Global Climate Change Opera by IUPUI Professor Wins Internet2 IDEA Award

A multimedia opera on global climate change, composed by an IUPUI researcher and his University of Virginia colleague, has won an innovation award from Internet2.

Internet2 is the nation's most advanced networking consortium for global researchers and scientists. Recently, the organization announced two research projects and two student projects as the 2011 Internet2 Driving Exemplary Applications (IDEA) award winners "for innovation in advanced network applications for collaborative research and education."

IUPUI Professor Scott Deal (Department of Music and Arts Technology, Purdue School of Engineering and Technology) and his collaborator Matthew Burtner (University of Virginia) won an IDEA research award for [\*Auksalaq - a Telematic Opera\*](#).

"*Auksalaq* is the single best and most important realization of meaningful opera for today's world that I have heard in decades of producing events in New York and elsewhere," wrote Joel Chadabee, president of the Electronic Music Foundation. "It is a pioneering work that pushes the boundaries of networked, media-enriched performance."

*Auksalaq*, (the Inupiat word for "melting snow/ice") explores global climate change from a northern geographic and cultural perspective.

The opera introduces an innovative toolkit of software applications developed at the IUPUI Donald Tavel Arts and Technology Research Center and the University of Virginia Interactive Media Research Group. The applications facilitate a seamless, multi-site, integrated presentation of music, media, movement, videography, audio processing and audience interactivity to create an interactive, multi-dimensional experience.

"*Auksalaq* represents a new generation of artistic works revolving around the exploitation of high bandwidth networks in the pursuit of live, interactive expression by combining computer interactivity with music, dance, drama, art and literature," wrote Internet2 representatives who presented the award.

A team from the Department of Energy's Energy Sciences Network at the Lawrence Berkeley National Laboratory also won an IDEA research award.

The winners received their awards and presented their applications at the Internet2 Fall Member Meeting in Raleigh, N.C., on Oct. 4.

"All of the winning applications have applied advanced networking technology to enable significant progress in research, teaching, learning or collaboration to



Scott Deal, Ph.D.  
Department of Music and Arts Technology  
School of Engineering and Technology

increase the impact of next-generation networks around the world," said Tom Knab, chair of the IDEA award judging committee.

To view an *Auksajaq* performance, go to: <http://blip.tv/Bigrobot/part-a-4971626>

## TRANSLATIONAL RESEARCH IMPACT

### Facilitating Life Transitions in Adolescents with Type 1 Diabetes

When transitioning through the various life stages of late adolescence and young adulthood, there becomes a need for those with type 1 diabetes to be able to manage diabetes while dealing with the stresses of freedoms associated with emerging adulthood. Through her work with adolescents, Kathleen Hanna, PhD, a professor in the department of Family Health and researcher at the Indiana University School of Nursing at IUPUI, studies emerging adults with type 1 diabetes during major life transitions. These transitions include graduating from high school, moving to independent living, enrolling in college and transferring from pediatric to adult health care providers. Diabetes management needs to be addressed in light of the increased freedoms and changes these youth will be encountering. The findings of her research provide evidence to help health care professionals in developing transition plans with these youth with type 1 diabetes.



Kathleen Hanna, Ph.D.  
School of Nursing

## INTERNAL GRANT DEADLINE

### Indiana University New Frontiers in the Arts and Humanities

The objective of this opportunity is to help Indiana University faculty members pursue innovative and transformative directions in artistic creativity or scholarship in their fields of endeavor by supporting the initial stages of path-breaking and transformative programs of investigation or creative activity. New Frontiers in the Arts and Humanities funding is intended to support innovative creative work which will transform the field of study, generate an innovative trajectory in a recipient's creative or scholarly development, or foster collaborations that cross disciplinary boundaries. The primary goal of New Frontiers is to support the initial stages of research and creative activity, providing seed funding for longer-term efforts. In 2011-12, there will be two funding programs: New Frontiers [major] grants of up to \$50,000 and Exploratory Travel Fellowships of up to \$2,500. The next New Frontiers application deadline is January 16, 2012. For grant guidelines and application forms, go to [http://research.iu.edu/funding\\_newfrontiers.shtml](http://research.iu.edu/funding_newfrontiers.shtml).

## 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 2011

PI	Agency	Project Title	School	Department	Total
RENBERGER,JAMIE LYNN	NATIONAL INSTITUTE OF	Indiana University Center for Pediatric	MEDICINE	PED-	

	CHILD HEALTH, HUMAN DEVL.	Pharmacology		HEMATOLOGY/ONCOLOGY	\$3,885,552
THORius,KATHLEEN ANN KING	U.S. DEPARTMENT OF EDUCATION	Great Lakes Equity Center	EDUCATION	EDUCATION	\$2,184,096
MOLITORIS,BRUCE A.	NATIONAL INSTITUTE OF DIABETES, DIGESTIVE & KIDNEY	Proximal Tubule Albumin Transport in Disease States	MEDICINE	NEPHROLOGY	\$1,674,750
YAN,CONG	NATIONAL CANCER INSTITUTE	Inflammation and Immunosuppression in Lung Cancer	MEDICINE	PATHOLOGY AND LABORATORY MED	\$1,618,938
O'NEIL,JOSEPH	INDIANA CRIMINAL JUSTICE INSTITUTE	Automotive Safety Program	MEDICINE	PED-TRAFFIC SAFETY	\$850,000
GOFF,PHILIP KEVIN	LILLY ENDOWMENT, INCORPORATED	The Bible in American Life	LIBERAL ARTS	RELIGIOUS STUDIES	\$507,140
YU,QIGUI	BILL & MELINDA GATES FOUNDATION	A Novel Therapeutic Strategy to eradicate HIV-1 Infection	MEDICINE	MICROBIOLOGY & IMMUNOLOGY	\$489,506
NUNN,SAMUEL	INDIANA CRIMINAL JUSTICE INSTITUTE	Traffic Safety	PUBLIC & ENVIRONMENTAL AFFAIRS	PUBLIC & ENVIRONMENTAL AFFAIRS	\$350,000
HAMMOND,FLORA MCCONNELL	CRAIG HOSPITAL (COLORADO)	Social Competence Treatment for Traumatic Brain Injury	MEDICINE	PHYSICAL MEDICINE & REHAB	\$262,517
SLEDGE JR,GEORGE W	THE BREAST CANCER RESEARCH FOUNDATION	Angiogenesis in Breast Cancer and Tumor Dormancy	MEDICINE	HEMATOLOGY/ONCOLOGY	\$225,000
CLARE,SUSAN ELIZABETH	THE BREAST CANCER RESEARCH FOUNDATION	Development of a Molecular Encyclopedia of the Normal Human Breast	MEDICINE	GENERAL SURGERY	\$225,000
COLEMAN,MARTIN ALLEN	NATIONAL ENDOWMENT FOR THE HUMANITIES	The Works of George Santayana	LIBERAL ARTS	LIBERAL ARTS	\$225,000
MILLER, KATHY D.	THE BREAST CANCER RESEARCH FOUNDATION	Telomerase inhibition to reverse trastuzumab resistance in patients with HER2+ metastatic disease	MEDICINE	HEMATOLOGY/ONCOLOGY	\$222,449
CORNETTA, KENNETH G.	UNIVERSITY OF CALIFORNIA, LOS ANGELES	Translational Development of Replication-Competent Retrovirus Vectors	MEDICINE	MEDICAL & MOLECULAR GENETICS	\$206,224
KOSTROMINOVA,TATIANA Y	VALA SCIENCES	Automated analysis of skeletal muscle fiber crosssectional area and metabolic type	MEDICINE	IUSM-NORTHWEST	\$200,788
YANG,FENG-CHUN	LEUKEMIA AND LYMPHOMA SOCIETY	Development of therapeutic strategy for the treatment of AML	MEDICINE	PED-NEONATAL BASIC RESEARCH	\$200,000
SCHNEIDER,BRYAN PAUL	CONQUER CANCER FOUNDATION	Genetic predictors of taxane induced peripheral neuropathy in E1199	MEDICINE	HEMATOLOGY/ONCOLOGY	\$150,000
HUDMON,ANDY	INDIANA STATE DEPARTMENT OF HEALTH	Strategies to Develop CaMKII Peptide Inhibitors to Reduce Excitotoxic Neurodegeneration in TBI	MEDICINE	BIOCHEMISTRY/MOLECULAR BIOLOGY	\$120,000
NURNBERGER JR,JOHN I	REGENTS OF THE UNIVERSITY OF CALIFORNIA	Pharmacogenetics of Mood Stabilizer Response in Bipolar Disorder	MEDICINE	PSYCHIATRY	\$104,139
LOEHRER, PATRICK J.	WALTHER CANCER FOUNDATION, INC.	Indiana University Simon Cancer Center Population Science Pilot Project Program	MEDICINE	CANCER CENTER	\$100,000

## 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.

## DEPARTMENT OF ENERGY

The [Office of Science of the Department of Energy](#) hereby announced its continuing interest in receiving grant applications for support of work in the following program areas: Advanced Scientific Computing Research, Basic Energy Sciences, Biological and Environmental Research, Fusion Energy Sciences, High Energy Physics, Nuclear Physics, and Workforce Development for Teachers and Scientists. *White papers accepted anytime.*

## NATIONAL ENDOWMENT FOR THE HUMANITIES

[Grants for America's Media Makers](#): this program support projects in a range of formats, including interactive digital media and radio and television programs that engage the public in the humanities and explore stories, ideas, and beliefs in order to deepen our understanding of our lives and our world. Projects should encourage dialogue, discussion, and civic engagement, and they should foster learning among people of all ages. *Application deadline is January 11, 2012.*

## NATIONAL INSTITUTES OF HEALTH

[Improving Adherence to Treatment Regimens for HIV-Positive Adolescents and Young Adults \(R01\)](#): The focus is on research projects that will develop, implement, and evaluate new or adapted interventions to improve adherence to medical and/or behavioral regimens for HIV-positive adolescents (11-21 years) and young adults (21-24 years). Applicants may investigate individual, family, social, political, and/or contextual factors that influence adherence, and may develop new or refine existing measures of adherence, in the process of developing efficacious or effective adherence interventions. *Application deadline is February 21, 2012.*

[Healthy Habits: Timing for Developing Sustainable Healthy Behaviors in Children and Adolescents \(R01, R03, R21\)](#): The focus is on identifying mechanisms of influence and/or promote positive sustainable health behavior(s) in children and youth (birth to age 18). Positive health behaviors may include: developing healthy sleep patterns, developing effective self-regulation strategies, adaptive decision-making in risk situations, practicing proper dental hygiene, eating a balanced and nutritious diet, engaging in age-appropriate physical activity and/or participating in healthy relationships. *Standard dates apply.*

[Mechanistic Pathways Linking Psychosocial Stress and Behavior \(R01\)](#): The focus is on basic psychological, social, and environmental mechanisms and processes linking psychosocial stressors and behavior. This FOA will facilitate investigation of multiple and potentially bidirectional pathways underlying the behavioral, environmental, and psychosocial link(s) between psychosocial stressors and behaviors that may ultimately impact biological function, health, and disease. Applicants are encouraged to use innovative and integrative designs to elucidate how psychological, social, and psychosocial environmental factors impact the processes by which stressors become coupled with and influenced by behaviors. Applications examining moderating factors such as individual demographic (age, gender/sex, ethnicity) and psychological (vulnerabilities, resilience) differences, risk factors, timing of exposure to stressors, and environments are desirable. *Application deadline is December 19, 2011.*

## NATIONAL SCIENCE FOUNDATION

[Law & Social Sciences \(LSS\) Program](#): The LSS program considers proposals that address 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 Decision making; 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 January 24, 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](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](mailto: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](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](mailto:bsbosch@indiana.edu).

[IUF Special Handling List and Principal Gifts Review Template](#)

Office of the Vice Chancellor for Research - [ovcr@iupui.edu](mailto: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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