

Research Enterprise

December 15, 2011

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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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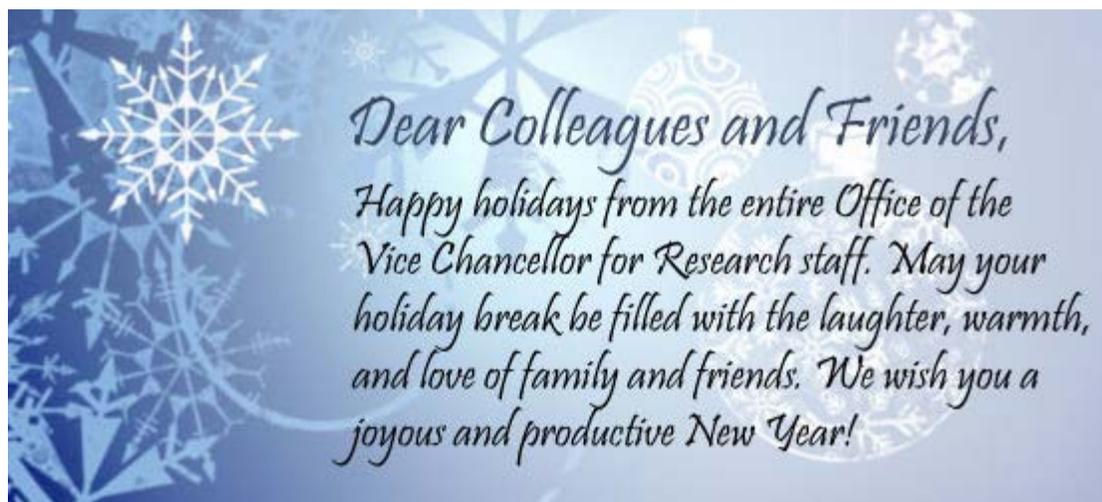
Etta Ward

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.



FEATURE STORY

IUPUI Awarded Diabetes Research Grant

The National Institutes of Health (NIH) has recently awarded biomedical researchers at IUPUI's Purdue School of Engineering and Technology in Indianapolis approximately \$400,000 to study a synthetic hydrogel matrix that could potentially trigger both cell proliferation and differentiation. This cutting-edge technique could have significant implications for individuals suffering from type 1 diabetes, as well as bone, cartilage and other cell deficiencies.

"Individuals with type 1 diabetes, for instance, lack the cells that create insulin to regulate blood sugar levels," explains Dr. Chien-Chi Lin, IUPUI assistant professor and lead researcher on the project. "We're conducting research on hydrogel matrices that could be used to



Chien-Chi Lin, Ph.D.
 Department of Biomedical

generate large quantities of insulin-producing cells for transplantation into the body to treat type 1 diabetes. A solution like this could one day provide ample supply of donor tissues and eliminate the need for insulin shots.”

No biomaterial system currently exists that can accomplish, in a sequential manner, cell reproduction and differentiation into another cell type. That’s why the NIH has chosen this distinguished biomedical engineering team that draws from innovative faculty and biomedical researchers, as well as the expertise and resources of IU Health, to conduct this important translational research.

“The goal of the National Institute of Biomedical Imaging and Bioengineering (NIBIB) at NIH is to enable technological innovation and discoveries in healthcare,” said Dr. William Heetderks, NIBIB Associate Director. “Dr. Lin is developing a novel biomaterial to enhance the proliferation and differentiation of epithelial cells into insulin-producing cells which could impact the treatment of type 1 diabetes and improve the health of millions.”

To learn more, visit www.engr.iupui.edu or engr.iupui.edu/bme/lin/Lin_Research_Group.

ANNOUNCEMENTS

Grove Receives National Women's Studies Association Achievement Award

Kathleen Surina Grove, J.D., director of the Indiana University-Purdue University Indianapolis Office for Women, is the 2011 recipient of the Outstanding Achievement Award from the National Women’s Studies Association Women’s Center Committee.



Kathleen Surina Grove, J.D.
Director, IUPUI Office for Women

Grove, who began her tenure with the IUPUI Office of Women in 2004, is an associate faculty member for the Women’s Studies Program in the School of Liberal Arts at IUPUI.

The National Women’s Studies Association award, presented Nov. 11 at the association’s national conference, recognizes “women working in women’s centers/gender equity centers who have accomplished a significant endeavor to improve the lives of women, and have addressed gender equity, sexism and other forms of oppression.”

In a letter of nomination, Khaula Murtadha, associate vice chancellor for Lifelong Learning, Division of Continuing Studies, praised Grove as a campus mentor and guide particularly for those seeking equity in cultural issues.

“Kathy is at the forefront, (battling) hard issues of race, class and gender with hard data. And if there is a difficult fight, we have an ally in her undaunted spirit,” Murtadha said.

Grove is the founder of IUPUI’s Women’s History Month Annual Leadership Awards. She organizes and hosts workshops and events focused on fostering the success of IUPUI women. Grove also collaborated on the development of the new EMPOWER (Enhanced Mentoring Program with Opportunities for Ways to Excel in Research) program, which supports underrepresented faculty in their research efforts, and has mentored and advised numerous students.

Grove also took the lead in proposing Women Creating Excellence at IUPUI: an online exhibit, which can be viewed at <http://www.ulib.iupui.edu/womencreatingexcellence>.

"Kathy champions what is right and just and brings considerable creativity to programming for women as well as networking and policy issues that advance women on our campus," said Mary L. Fisher, professor of nursing and associate vice chancellor for academic affairs/associate dean of the faculties.

In a letter of support, written on behalf of the IUPUI Multicultural Pedagogy Research Group, Silvia M. Bigatti, associate professor and Lilly Scholar, said Grove embodies the ideals of women's rights.

Whether inviting people to serve on committees or programs, designing programming or advocating for improvements in the campus climate, Grove consistently requires attention to ethnic and racial diversity as well as gender equity, according to Nancy Marie Robertson, associate professor of history and director of the Women's Studies Program at IUPUI

"One key point that Kathy never forgets is that 'women' includes all women," Robertson said.

Community-Based Research Grants — Request for Applications

The Indiana Clinical and Translational Sciences Institute Community Health Engagement Program is requesting applications to support community-based research projects. This grant will provide funds to academic and community partners to assist in the development and successful completion of collaborative, community-based research planning or implementation projects. Indiana CTSI CHEP support will range from \$1,000 to \$5,000 for planning projects and \$10,000 to \$20,000 for implementation projects during the 2011-2012 fiscal year.

For the purposes of this opportunity, community-based research will be defined as collaborative efforts with at least one community-based organization and one academic partner. Planning or implementation projects must be joint efforts pursuing one or more of the following objectives: (1) improve an important feature of health or health care, (2) perform a needed evaluation of a valuable health-related program, (3) or develop a relationship for a community-based implementation project that can lead to (1) or (2). Preference will be given to projects likely to lead to extramural funding that support the continuation or expansion of the proposed project or result in intellectual property.

The application deadline is **Monday, Jan. 30, 2012**. Awards will be announced March 1. The final allocation amount will be based on the number and quality of applications received. No applications will be funded for more than \$20,000. Proposed project periods cannot exceed 12 months from the project start date, although applications for additional funding in the next year's funding cycle will be considered based on progress.

For complete application guidelines and forms, visit www.indianactsi.org/grants, log in using your institutional username and password and select "CHEP Community-Based Research Awards (CBR)". Questions can be directed to Emily Hardwick at 317.278.2821 or ejhardwi@iupui.edu.

STUDENT SPOTLIGHT

Undergraduate Student Receives Louis Stokes Alliances for Minority Participation Award

Alyssa Gutierrez, a senior in the school of Physical Education and Tourism Management, Department of Kinesiology, presented her research orally at the Indiana Louis Stokes Alliances for Minority Participation Research Conference on Saturday, November 12, 2011, at Purdue University-West Lafayette. Competing against twelve other oral presenters from the eight campuses of LSAMP Indiana, Alyssa's presentation was ranked outstanding with the second highest composite scores by a panel of faculty judges from Indiana, Purdue, Ball State, and Indiana State Universities. Alyssa received an LSAMP Oral Presentation Award.



Alyssa Gutierrez
LSAMP Student

Alyssa has done her research for three years under the mentorship of Dr. Kathleen Stanton. The title of her research is, "Effectiveness of an At-Home Based Physical Activity Program for Families who have Children with Intellectual Disabilities." She has presented her research at local, state, and national conferences and her work is published in IAHPERD Spring 2010.

Alyssa Gutierrez expects to complete her Bachelor of Science in Kinesiology in May 2012 and is seeking admission to an occupational therapy program following her graduation. For more information on the LSAMP program, go to <http://www.crl.iupui.edu/programs/LSAMP/index.asp>.

TRANSLATIONAL RESEARCH IMPACT

Making Treatment Decisions with Your Healthcare Provider

Dr. Marianne Matthias, adjunct assistant professor of communication studies in the School of Liberal Arts, and her colleagues are working to develop an intervention to improve shared decision making in chronic pain and mental health care. She is collecting observational and interview data from these two care settings to identify strengths and weaknesses in communication and how communicating treatment decisions can be improved to better involve collaboration and equality between patients and providers. Once the data from the observations is analyzed, it will be used to design and test an intervention to improve shared decision making. The next step will then be implementing this intervention in clinics.



Marianne Matthias, Ph.D.
Department of Communication Studies
School of Liberal Arts

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, 2012**. 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, 2012**. 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, 2012**. 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, 2012**. For grant guidelines and application forms, go to <http://research.iupui.edu/funding/>.

OVCR EVENTS AND WORKSHOPS

Finding Funding

When: Thursday, January 19, 2012 | 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 several knowledge management systems that contain thousands of funding opportunities available by university subscription.

[Click here to register](#)

The National Science Foundation Faculty Early Career Development (CAREER) Grant Writing Circle – Multiple Sessions

When: Friday, January 20, 2012 | 12:00 PM-1:30 PM
Where: University Library, Room 2115J

The NSF CAREER Grant-Writing Circle brings together faculty members who are preparing proposals for the mid-July 2012 due date. Faculty members may check their eligibility for this award at this web site:

<http://www.nsf.gov/pubs/2011/nsf11038/nsf11038.jsp>. Sessions will assist project conception and development, budget construction and proposal writing and editing. Participants will assist each other to develop their project ideas and edit their writing as much as possible. Four sessions, ninety minutes each, will be followed up by proposal writing, editing, and submission assistance from staff in the Office of the Vice Chancellor for Research. To qualify for assistance from the OVCR proposal writing staff, in the writing, editing, and submission processes, proposal writers

must attend all four sessions. Note that meeting times are different for Wednesday and Friday workshops. Additional summer dates will be arranged as required.

Note: Faculty who submit an NSF CAREER proposal in 2012 are eligible to be considered for an OVCR CAREER Project Seed Grant related to that submission. Up to three awards may be made.

Register for all four workshops. You may choose to attend a Wednesday or a Friday for each workshop, to fit your schedule.

Workshop 1:

Friday, January 20 | 12 - 1:30 pm [register](#)

Wednesday, February 1 | 1 - 2:30 pm [register](#)

Workshop 2

Friday, February 24 | 12 - 1:30 pm [register](#)

Wednesday, February 29 | 1 - 2:30 pm [register](#)

Workshop 3

Friday, March 23 | 12 - 1:30 pm [register](#)

Wednesday, April 4 | 1 - 2:30 pm [register](#)

Workshop 4

Friday, April 20 | 12 - 1:30 pm [register](#)

Wednesday, May 2 | 1 - 2:30 pm [register](#)

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

When: Tuesday, January 24, 2012 | 10:00 AM-11:00 AM

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 curation? Do you know what support services are available at IUPUI? This workshop will outline the process of developing a data management plan, provide resources for DMP development, and introduce data services available on campus. Q&A will follow the presentation. Anyone interested in or planning to apply for NSF funding should attend.

[click here to register](#)

Nine Golden Rules to Succeed in Research and Scholarship

When: Wednesday, January 25, 2012 | 1:00 PM-3:00 PM

Where: University Library, Room 1126

This highly acclaimed workshop provides a framework for succeeding in research and scholarship and distills this into 9 Golden Rules. While this interactive session is filled with practical advice for those in the early stages of their faculty careers, more senior faculty can also benefit.

[click here to register](#)

Proposal Development / Writing Circle – Multiple Sessions

When: Friday, January 27, 2012 | 1:00 PM-2:30 PM

Where: University Library, Room 2115E

The OVCR Proposal Development/Writing Circle brings together faculty members who are preparing external proposals of any kind or length (concept pieces, letters of intent, partial drafts, completed drafts, etc.) to discuss their ideas and documents with circle participants before proposal submission to an external agency. Participants may bring to the workshop any proposal to share with other members of the group for discussion. Sessions will assist project conception and development, budget construction and proposal writing and editing. Participants will assist each other to develop their project ideas and edit their writing as much as possible. Work will occur in the workshops as well as online, by email and through the Oncourse project site. Faculty members who participate in at least three workshops **during Fall 2011 and/or Spring 2012** will subsequently be eligible to apply for follow-up assistance for proposal writing, editing, and submission by the proposal development staff in the Office of the Vice Chancellor for Research.

Participation in each session is highly encouraged.

January 27 | 1:00 pm - 2:30 pm [register](#)

March 2 | 1:00 pm - 2:30 pm [register](#)

April 6 | 1:00 pm - 2:30 pm [register](#)

April 27 | 1:00 pm - 2:30 pm [register](#)

National Science Foundation Research Experiences for Undergraduates (REU) Workshop/Writing Circle

When: Friday, January 27, 2012 | 3:00 PM-4:30 PM

Where: University Library, Room 1116

The NSF REU Grant-Writing Circle brings together faculty members and other researchers who are preparing proposals for the next [REU Site awards program](#) due either June 01, 2012 (for those requiring access to Antarctica only) or August 22, 2012 (all others). Sessions are designed to simplify project conception and development, budget construction and proposal writing and editing. Participants will assist each other to develop their project ideas and edit their writing as much as possible. Four sessions, ninety minutes each, will be followed up by proposal writing, editing, and submission assistance from staff in the Office of the Vice Chancellor for Research. Proposal writers and their collaborators should attend all sessions.

[Register for all four workshops.](#)

January 27 | 3:00 pm - 4:30 pm [register](#)

March 2 | 3:00 pm - 4:30 pm [register](#)

April 6 | 3:00 pm - 4:30 pm [register](#)

April 27 | 3:00 pm - 4:30 pm [register](#)

Additional summer dates will be arranged as required

Center Proposals for Signature Centers Initiative

When: Wednesday, February 8, 2012 | 1:00 PM-2:30 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. The workshop will be presented by two experienced reviewers of Signature Centers Initiative applications representing the fields of "Health and Life Sciences" and the "Arts and Humanities". Participants need to register for only one

of the workshops.

[click here to register](#)

Increasing and Expanding Your Research Agenda through Community Engagement

When: Wednesday, February 14, 2012 | 1:30 PM-3:30 PM

Where: IUPUI Solution Center, Walker Building, 719 Indiana Avenue

The [IUPUI Solution Center](#), a division of the Office of the Vice Chancellor for Research, actively engages in building community partnerships through research, internships, and business assistance. The Solution Center helps IUPUI faculty brainstorm and coordinate experiential learning opportunities, locates internal and external contacts and funding for community-based research, and identifies community organizations for class projects, case studies, or other initiatives. The Solution Center Community Venture Fund provides matching grants to organizations in order to create and sustain meaningful, challenging, and career-relevant internships and applied projects.

In this session, staff from the IUPUI Solution Center will talk about how the Center can help faculty to expand and enhance their teaching and research goals through community engagement. Drawing from examples of faculty projects, this session will explore:

- Developing a community engagement plan
- Identifying partners
- Selecting tools and resources
- Engaging students
- Funding

[click here to register](#)

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 - November 2011

PI	Agency	Project Title	School	Department	Total
Einterz, Robert	USAID	Two Titles: Main acct- AMPATH, controlling and preventing HIV/AIDS in western Kenya Supplement-USAID & AMPATH Partnership, implementing the Kenyan Essential Package for Health	MEDICINE	GENERAL INTERNAL MEDICINE	\$15,250,000
FOROUD,TATIANA M.	NATIONAL INSTITUTE ON AGING	National Cell Repository for Alzheimer's Disease (NCRAD)	MEDICINE	MEDICAL & MOLECULAR GENETICS	\$4,887,041
MATHER,KIEREN JAMES	NATIONAL INSTITUTE OF DIABETES, DIGESTIVE & KIDNEY	Preservation of Beta Cell Function in Prediabetes/Early Type 2 Diabetes	MEDICINE	ENDOCRINOLOGY	\$3,688,427
MOLINA,CARMELLA EVANS	NATIONAL INSTITUTE OF DIABETES, DIGESTIVE & KIDNEY	Mechanisms of Beta Cell Function in Health and Disease	MEDICINE	ENDOCRINOLOGY	\$1,674,750
LIU,GILBERT C	NATIONAL LIBRARY OF MEDICINE	Delivering Geospatial Intelligence to Health Care Professionals	MEDICINE	PED-HEALTH SERVICES RESEARCH	\$1,016,088
OSILI,UNA O	BANK OF AMERICA	2012 High Net Worth Study on Philanthropy	LIBERAL ARTS	CENTER ON PHILANTHROPY	\$298,708
SACHS,GREG	NATIONAL PALLIATIVE CARE	Promoting Effective Advance Care Planning for		GENERAL	

ALAN	RESEARCH CENTER	Heart Patients	MEDICINE	INTERNAL MEDICINE	\$154,000
ZHENG,QI-HUANG	INDIANA STATE DEPARTMENT OF HEALTH	Non-Invasive in Vivo Assessment of TBI with PET and New TSPO Radioligands	MEDICINE	RADIOLOGY & IMAGING SCIENCES	\$120,000
PETRACHE,IRINA	BIOMET, INC.	Evaluation of Autologous Concentrated Bone Marrow Aspirate in Treatment of Mice with Cigarette Smoke Induced Emphysema	MEDICINE	PULMONARY	\$115,555
HUTCHINS, GARY D.	PURDUE UNIVERSITY	Neuroimaging for Early Diagnosis of Manganese Toxicity in Humans and Rodents	MEDICINE	RADIOLOGY & IMAGING SCIENCES	\$109,037

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.

NATIONAL ENDOWMENT FOR THE HUMANITIES

Summer Seminars and Institutes: These grants support faculty development programs in the humanities for school teachers and for college and university teachers. NEH Summer Seminars and Institutes may be as short as two weeks or as long as five weeks. *Application deadline is March 1, 2012.*

Summer Scholar Awards: NEH Summer Scholars are awarded fixed stipends to help cover travel costs, books and other research expenses, and living expenses. Stipend amounts are based on the length of the NEH Summer Seminar or Institute: \$2,100 (2 weeks), \$2,700 (3 weeks), \$3,300 (4 weeks), or \$3,900 (5 weeks). *Application deadline is March 1, 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.*

Shared Instrumentation Grant Program (S10): The National Center for Research Resources (NCRR) Shared Instrument Grant (SIG) program encourages applications from groups of NIH-supported investigators to purchase or upgrade a single item of expensive, specialized, commercially available instrumentation or an integrated system that costs at least \$100,000. The maximum award is \$600,000. There is no limit on the number of applications an institution may submit provided the applications are for different types of equipment. *Application deadline is March 21, 2012.*

Advancing Diversity in Aging Research (ADAR) through Undergraduate Education (R25): The National Institute on Aging (NIA), NIA MSTEM: Advancing Diversity in Aging Research (ADAR) through Undergraduate Education, encourages institutional Research Education Grant (R25) applications from institutions that propose creative and innovative research education programs to diversify the workforce in aging by (1) supporting undergraduate competency and completion in medicine, science, technology, engineering and mathematics) ((MSTEM) to be referred to as NIA MSTEM fields henceforth), as they relate to aging and, also, by (2) application and transition to graduate study that advances a cadre of students

from diverse backgrounds into NIA MSTEM fields. The interests of the NIA span biological, biomedical, behavioral, clinical and social sciences research across the lifespan with a focus on processes of aging through midlife and into old age.

Standard dates apply.

Implications of the Economic Downturn for Health, Wealth, and Work at Older Ages (R01): The focus is on the implications of exogenous shocks, such as those produced by the recent economic downturn, for health, economic circumstances, and planning throughout the life-cycle. *Standard dates apply.*

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.*

Methodology, Measurement, and Statistics: The Methodology, Measurement, and Statistics (MMS) Program is an interdisciplinary program in the Social, Behavioral, and Economic Sciences that supports the development of innovative analytical and statistical methods and models for those sciences. MMS seeks proposals that are methodologically innovative, grounded in theory, and have potential utility for multiple fields within the social and behavioral sciences. As part of its larger portfolio, the MMS Program partners with a consortium of federal statistical agencies to support research proposals that further the development of new and innovative approaches to surveys and to the analysis of survey data. The MMS Program supports a variety of different types of awards, including: 1) Regular Research Awards 2) Mid-Career Research Fellowships 3) Doctoral Dissertation Research Improvement Grants 4) Research Experience for Undergraduates (REU) Supplements. *Application deadline is January 30, 2012.*

Smart Health and Wellbeing: Through the Smart Health and Wellbeing (SHB) Program, NSF seeks to address fundamental technical and scientific issues that would support much needed transformation of healthcare from reactive and hospital-centered to preventive, proactive, evidence-based, person-centered and focused on wellbeing rather than disease. The issues to be addressed include, but are not limited to, sensor technology, networking, information and machine learning technology, modeling cognitive processes, system and process modeling, and social and economic issues. Effective technology-based solutions must satisfy a multitude of constraints arising from clinical needs, social interactions, cognitive limitations, barriers to behavioral changes, heterogeneity of data, semantic mismatch and limitations of current cyberphysical systems. The high degree of complexity and broad range of the problems require multidisciplinary teams of scientists and engineers to identify and address barriers limiting quality of life, independence for chronically ill and elder individuals, and other aspects of wellbeing. *Application deadline is February 6, 2012.*

DEPARTMENT OF EDUCATION OFFICE OF POSTSECONDARY EDUCATION (OPE)

Graduate Assistance in Areas of National Need (GAANN) Program Block

Grants for Graduate Fellowships: Program funds fellowships in areas of national need (Area Studies; Biological Sciences/Life Sciences; Chemistry; Computer and Information Sciences; Engineering; Foreign Languages and Literatures; Mathematics; Nursing; Physics; and Educational Evaluation, Research, and Statistics) to academic departments for graduate fellowships. Expected grant size is \$132 – 263K, and a 25% institutional match is required. *Application deadline is January 20, 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

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