

Research Enterprise

June 15, 2010

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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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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

IU-OSU Center Gets \$9 Million More for Cancer Epigenetics



Photo courtesy of Ken Nephew

Staff of the Ohio State University-Indiana University Center for Cancer Systems Biology. Co-principal investigators are, center-front, OSU's Tim Huang and IU's Ken Nephew.

Indiana University (IU) and the Ohio State University (OSU) will receive \$9 million from the National Cancer Institute to continue studying cancer genes and the sometimes-unnatural agents that mask the genes' expression, a phenomenon called epigenetics. The National Cancer Institute is a division of the National Institutes of Health.

OSU School of Medicine cancer geneticist Timothy Huang and IU School of Medicine cancer biologist Kenneth Nephew co-administer the OSU-IU Center for Cancer Systems Biology and its project, "Interrogating Epigenetic Changes in Cancer Genomes," which began in 2004 with about \$8 million in NCI support. Ten other centers received funding or continued funding this year as part of the NCI's

Integrative Cancer Biology Program.

"Our group uses integrated computational and experimental approaches to study epigenetic mechanisms that control signaling networks in prostate, breast, and ovarian cancers," said Nephew, a member of the IU School of Medicine's Bloomington faculty. "During the initial funding period, we focused on epigenetic processes associated with neoplastic transformation of normal cells into cancer cells. We demonstrated that disruption of key networks contribute to the development of breast, prostate, and ovarian cancer, and we developed mathematical models based on our experimental data."

Over the next five years, Nephew said the OSU/IU-led team will study epigenetic changes in prostate, breast, and ovarian cancer cells that cause resistance to hormonal therapy or traditional chemotherapy. Nephew said a major objective is to identify a panel of epigenetic biomarkers for predicting responsiveness to anti-hormone treatments and chemotherapies in cancer patients.

"These centers represent a unique multidisciplinary union of outstanding scientists and clinicians who will work to unravel the complexities of cancer through the novel application of technology and mathematical modeling," said Dan Gallahan, NCI Integrative Cancer Biology Program director. "Their discoveries and models will be critical to our continued success in understanding and treating this disease."

The OSU-IU center also has an "Education Core," which is training young scientists to conduct integrated cancer research. During the initial funding period, the OSU-IU center hosted 14 summer programs and co-organized two systems biology meetings. Center staff trained 137 undergraduate, graduate, and post-graduate students and supported the activities of more than a dozen short- and long-term visitors.

DID YOU KNOW?

The success rate for R01 grants in 2009 was highest (38.4%) for those submitted to the National Human Genome Research Institute.

The overall success rate for all R01 grants submitted in 2009 was 21.8%.
The overall success rate for all R03 grants submitted in 2009 was 19.0%.
The overall success rate for all R21 grants submitted in 2009 was 13.8%.
The overall success rate for all P01 grants submitted in 2009 was 39.1%.
The overall success rate for all P30 grants submitted in 2009 was 45.5%.
The overall success rate for all P50 grants submitted in 2009 was 29.5%.
The overall success rate for all T32 grants submitted in 2009 was 50.2%.

Institutes having success rates of greater than 30% for R01 grants in 2009 include NHGRI, NINR, NIDCD and NEI.

Institutes having success rates of less than 20% for R01 grants in 2009 include NCI, NIEHS, NIBIB, NIA, FIC, NICHD, NLM, NCCAM.

In 2009, the National Cancer Institute received more R01 submissions (3872) than any other institute. The National Heart, Lung and Blood Institute had the second most submissions (3110). The success rates for submissions were 19.5% for NCI and 22.3% for NHLBI.

In 2009, the success rate for R01 submissions to the National Institutes of General Medical Sciences was 26.5%.

UPDATES

Human Subject Research Audit Plan Update

New Notice of Proposed Rulemaking: NIH Policy on Financial Conflicts of Interest in Research

The NIH released a Notice of Proposed Rulemaking for a new policy on financial conflicts of interest in research (see link below). Major changes include: (1) a reduction from \$10,000 to \$5,000 in the threshold for a significant financial interest; (2) a requirement that institutions publicly disclose the conflicts of interests of its investigators - including name and dollar amount of the significant financial interest (in categories); (3) a requirement that investigators disclose to university any outside interest that reasonably appear to be related to the investigator's institutional responsibilities (not just related to NIH funded research) and (4) a requirement that investigators complete an educational program on conflicts of interest before engaging in NIH funded research and thereafter every two years, at least. The time period for receipt of public comments is 60 days from today, the release date in the federal register. As citizens and researchers, please read and decide to submit a comment.

<http://edocket.access.gpo.gov/2010/pdf/2010-11885.pdf>

CENTER SPOTLIGHT

Center on Philanthropy to research and write *Giving USA* through 2014

Understanding and improving philanthropy is at the heart of the Center on Philanthropy's mission. From education and research to giving and volunteering, the Center strives to increase and enhance knowledge of philanthropy. One of the most valued mechanisms of fulfilling this mission is through, *Giving USA*, an annual report published by Giving USA Foundation and researched and written by the Center on Philanthropy.

The Center on Philanthropy, whose executive director is Dr. Patrick M. Rooney, received a \$500,000 multi-year grant for its work on *Giving USA* from Giving USA Foundation. This publication, the standard of its field, is the only annual report that compiles information from all sources of U.S.

philanthropy including individual, corporate, foundation and bequest giving and includes various types of recipients. The report uses charts and historical data presented with a narrative to enable readers to easily comprehend and apply the findings and is utilized by nonprofit organizations, foundations, corporations, government agencies, higher education institutions, scholars, the media and other individuals.

The grant enables the Center on Philanthropy to continue the research and writing of *Giving USA* through 2014, allow subscribers to view the report online and permit end-users to access the executive summary of the report at no charge. The Center's Director of Research, Dr. Una Osili, anticipates that its increased exposure online will enhance the Center's visibility nationally and internationally. The research and writing of *Giving USA* is a team effort, which is headed by its managing editor, Melissa Brown. Giving USA also involves experts from 18 leading research organizations, nonprofit partners, faculty, students and Center staff. Furthermore, *Giving USA* has served as a model for countries including Australia, the Netherlands and Korea.

"The relationship between *Giving USA* and the Center is an important one," says Dr. Osili, "because both organizations share important goals and objectives." With



Una Osili, Ph.D.
Director of Research
Center on Philanthropy

Giving USA Foundation's dedication to advance the research, education and public understanding of philanthropy, and the Center's commitment to increase the understanding of philanthropy and improve its practice through research, teaching and public affairs, the two organizations produce a trusted and tested, well-respected product."

Dr. Osili encourages students, faculty and staff who would like to learn more about philanthropy to start with *Giving USA 2010: The Annual Report on Philanthropy for the Year 2010* by going to www.givingusa2010.org or e-mailing the managing editor at cphlgusa@iupui.edu.

STUDENT SPOTLIGHT

Student Achieves Early Success through Research and Scholarly Experiences



Shehzad Qazi
Former IUPUI Political Science
Student
Aspires to research career on
international conflict and security

IUPUI students are frequently offered a dizzying array of opportunities to participate in academic and scholarly experiences. Shehzad Qazi is a prime example of one who has utilized those opportunities to the fullest. He has just completed his B.A. in International Relations in the Department of Political Science with an Honors Notation and Highest Distinction. Shehzad also received, as an undergraduate, the 2010 School of Liberal Arts Faculty Medal for Academic Distinction, the School's highest academic honor. This remarkable student's promising scholarly research career was catalyzed as an undergraduate scholar in the Diversity Scholars' Research Program (DSRP), which is administered through the Center for Research and Learning a division of the Office of the Vice Chancellor for Research. He was mentored by Professor Richard Ward, Associate Dean of Students, Department of Anthropology. In addition, Shehzad was a two-time Mary F. Crisler Scholar (2008-2009 and 2009-2010) and was awarded the School of Liberal Arts Dean's Scholarship for 2009-2010. He is the Founder and former Director of the Council on Strategic and International Affairs, a student-led think-tank at

IUPUI, and was the managing editor of the *Muslim Hoosier* magazine (2007-2009). According to Professor Ward, "Shehzad Qazi has an insatiable curiosity, impressive intellectual gifts and a prodigious work ethic. This combination helps account for a level of accomplishment one associates with a late stage graduate student"

Shehzad's research interests include South Asian politics, water conflict, insurgent violence, counterinsurgency, U.S. foreign policy, and imperialism. He first published two think-tank reports in 2008 on Pakistan, one of which was a widely recognized, original analysis and discussion of the security risks posed to Pakistan by the loss of its strategic water interests in Kashmir. One such recognition was by Gen. Jehangir Karamat, former Chief of the Army Staff of the Pakistan Army and former Pakistani Ambassador to the U.S from 2004-2006. Since then, he has published numerous popular articles and lectured about international relations in South Asia and the Middle East and about U.S. politics.

In March 2010, Shehzad spoke at Butler University for the New York based Foreign Policy Association's *Great Decision 2010* series, which was sponsored by the Indiana Council on World Affairs. With the theme of "Enhancing American Security through Peace Building," he spoke on U.S. and Afghan government negotiations with the Afghan Taliban. "This was my first public lecture. It was almost like a 'coming of age' feeling. I felt honored that I would be asked to give a lecture

locally on behalf of an established organization, such as the Foreign Policy Association. I was able to use my research and contribute it toward enhancing the knowledge of members of the community about a region and issues which should and do deeply concern them and that, in itself, is a rewarding experience," Shehzad reflects. He presented another talk on his research in April and is looking forward to doing additional presentations and publishing again in the near future. Shehzad's latest research article, about the Taliban in Afghanistan, will be published this year by the *Third World Quarterly*, a leading academic journal in international studies.

In the fall of 2010, Shehzad will be pursuing a Master's degree in International Relations at New York University. He intends to complete his M.A. work by 2012 and subsequently pursue the Ph.D. in Political Science with a specialization in International Relations. Following his doctoral work, Shehzad seeks to achieve two career objectives: being a research specialist and a practitioner in the field of international relations. He wishes to primarily utilize his training to establish a career in research on conflict, security and development. "I want to engage in cutting-edge research at academic institutes and make distinct scholarly contributions on issues of civil war and post-conflict reconstruction and development," said Shehzad. His secondary objective is to engage in consultative positions with governmental, non-governmental and international organizations in his areas of specialty.

TRANSLATIONAL RESEARCH IMPACT

Research Lab Uncovers Possible Drugs to Halt Progression of Polycystic Kidney Disease

Translational research in the laboratory of Dr. Bonnie Blazer-Yost, Professor of Biology in the School of Science, involves several approaches to understanding and treating polycystic kidney disease (PKD). PKD is a devastating disorder that causes the growth of large fluid filled cysts predominately in the kidney and liver, ultimately compromising organ function. The major form of this disease is relatively common and occurs at a rate of approximately 1 in 800 people. Although the cysts are present early in life, the disease is often asymptomatic until the fourth



Bonnie Blazer-Yost, Ph.D.
Department of Biology
School of Science

decade. PKD usually leads to renal failure in patients in their mid 50's. The primary treatment is renal transplantation and there are currently no pharmaceutical agents approved for treatment of PKD. Drugs in clinical trials include chemotherapeutic and immunosuppressive agents and drugs that interfere with hormone action. All of these have relatively serious side effects that may interfere with long-term treatment.

Through a series of unexpected and serendipitous events, the experiments in the Blazer-Yost laboratory have uncovered possible FDA approved drugs that may be useful for halting the progression of PKD. These observations arose during experiments that were being conducted in collaboration with scientists at GlaxoSmithKline to determine why insulin sensitizing agents called Peroxisome Proliferator Activated Receptor gamma (PPARgamma) agonists caused fluid retention. The Blazer-Yost laboratory disproved a common theory as to the

mechanism of action of the fluid retention and in the process made the unexpected finding that the PPARgamma agonists inhibit a transport mechanism that is responsible for the cyst growth in PKD. "It is very exciting to have a serendipitous and unexpected finding pave the way for the use of potential drugs to treat polycystic kidney disease. Our finding could lead to the re-purposing of FDA-approved diabetes drugs into a possible treatment for polycystic kidney disease," says Dr. Blazer-Yost.

The original studies were performed in tissue culture cell line. Currently the Blazer-Yost laboratory is testing the hypothesis the insulin sensitizing agents can stop the growth of the cysts in PKD by using rodent models of the disease. These studies are being conducted in collaboration with scientists at the IU School of Medicine and at the Mayo Clinic. The studies conducted thus far are very positive with PPAR• agonist therapy resulting in rodents with smaller cysts in both the kidney and liver. The studies extend the tissue culture findings and provide an important proof of principle showing that the insulin sensitizing agents could be an effective treatment for PKD.

The two PPARgamma agonists used in the studies are rosiglitazone (Avandia) and pioglitazone (Actos). These drugs are FDA approved and have been in long term clinical use for the treatment of type II diabetes. The studies will provide the basis for potential human clinical trials using PKD patients. These drugs have been proven relatively safe in long-term treatment of diabetic patients which makes them an ideal choice as pharmaceutical agents for a disease like PKD that will require life-long treatment to prevent the growth of cysts.

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

Grants and Awards - May 2010

| PI | Agency | Project Title | School | Department | Total |
|------------------|--|---|----------|---------------------------------|-------------|
| RODRIGUEZ, HENRY | NATIONAL INSTITUTE OF DIABETES & DIGEST.& KIDNEY | Type 1 Diabetes TrialNet at Indiana University Clinical Center | MEDICINE | PED- ENDOCRINOLOGY/ DIABETOLOGY | \$3,293,048 |
| LUMENG, LAWRENCE | NATIONAL INSTITUTE ON ALCOHOL ABUSE AND ALCOHOLISM | Rodents with Genetic Differences in Alcohol Preference | MEDICINE | GASTROENTEROLOGY | \$3,253,210 |
| GAO, SUJUAN | NATIONAL INSTITUTE ON AGING | Selenium, other risk factors and cognitive decline in rural elderly Chinese | MEDICINE | BIostatISTICS | \$2,720,833 |
| KAPLAN, MARK H | NATIONAL INSTITUTE ALLERGY & INFECTIOUS DISEASES | Stat4 Immunobiology | MEDICINE | PED-PULMONARY BASIC RESEARCH | \$1,925,000 |
| KAPLAN, MARK H | NATIONAL INSTITUTE ALLERGY & INFECTIOUS DISEASES | The role of PU.1 in T helper cell heterogeneity Stat4 Immunobiology | MEDICINE | PED-PULMONARY BASIC RESEARCH | \$1,925,000 |
| BLUM, JANICE S. | NATIONAL INSTITUTE ALLERGY & INFECTIOUS DISEASES | Class II antigen presentation via chaperone mediated autophagy | MEDICINE | MICROBIOLOGY & IMMUNOLOGY | \$1,732,500 |
| | | American Recovery and Reinvestment Act of 2009, | | | |

| | | | | | |
|---------------------------------|---|---|-------------------|-------------------------------------|-------------|
| FINNELL II, JOHN T | U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES | Information Technology Professionals in Health Care: Training Grants Furnishing Academic Program Development Assistance for University- Based Training of Health Information Technology Professionals | MEDICINE | EMERGENCY MEDICINE | \$1,406,469 |
| WALCZAK, CLAIRE E | NATIONAL CENTER FOR RESEARCH RESOURCES | Acquisition of a DeltaVision OMX Super Resolution Imaging System | MEDICINE | MEDICAL SCIENCES PROGRAM | \$1,234,261 |
| ROBLING, ALEXANDER G | U.S. DEPARTMENT OF DEFENSE | Secreted Wnt antagonists in disuse-induced osteoporosis | MEDICINE | ANATOMY & CELL BIOLOGY | \$1,062,980 |
| SHEKHAR, ANANTHA | FAIRBANKS INSTITUTE | Multicenter Research Study to Build a Repository that will allow Researchers to Study Chronic Diseases in the Population of Central Indiana | MEDICINE | CLINICAL TRANSLAT SCI (CTSI) | \$700,001 |
| WAFI, MARWAN | COMMUNITY EDUCATION COALITION | Support for the creation of a B.S. in Nursing program | IUPUI COLUMBUS | IUPUI COLUMBUS | \$500,000 |
| CHEN, JIE | PURDUE UNIVERSITY | Recovery Act- Transportation Electrification | E&T | MECHANICAL ENGINEERING | \$393,399 |
| FARLOW, MARTIN RHYS | UNIVERSITY OF CALIFORNIA, SAN DIEGO | Alzheimer's Disease Neuroimaging Initiative Grand Opportunity (ADNI- GO) | MEDICINE | NEUROLOGY | \$225,413 |
| BODENHAMER, DAVID JACKSON | NATIONAL ENDOWMENT FOR THE HUMANITIES | New Tools for the Humanities: Visualizing Complex Spatial Data | LIBERAL ARTS | POLIS | \$224,575 |
| HERBERT, BRITTNEY- SHEA | SUSAN G. KOMEN BREAST CANCER FOUNDATION | Targeting Telomerase for the Treatment of Refractory Breast Cancers | MEDICINE | MEDICAL & MOLECULAR GENETICS | \$200,000 |
| BODENHAMER, DAVID JACKSON | CITY OF DES MOINES | City of Des Moines Mapping Hazards and Mitigation Infrastructure | LIBERAL ARTS | POLIS | \$198,540 |
| AALSMA, MATTHEW C. | CHRISTIAN COMMUNITY INC | Evaluation of Junior High OWL (Our Whole Lives) Sexuality Curriculum | MEDICINE | PED-ADOLESCENT MEDICINE | \$160,800 |
| MALKAS, LINDA H | U.S. ARMY | A Peptide Antibody Directed Against Cancer-associated PCNA Expressed in Breast Cancer Has Therapeutic Potential | MEDICINE | HEMATOLOGY/ ONCOLOGY | \$120,903 |
| STUREK, MICHAEL STEPHEN | CARDIOMETABOLIC DISEASE RESEARCH FOUNDATION | Epicardial Fat and Coronary Artery Disease | MEDICINE | CELLULAR & INTEGRATIVE PHYSIO | \$119,793 |
| MARCH, KEITH LEONARD | ADVANCED TECHNOLOGIES AND REGENERATIVE MEDICINE | hUTC and hUTC in fibrin glue for Peripheral Vascular Disease | MEDICINE | CTR FOR VASCULAR BIOLOGY & MED | \$118,777 |
| MOTT, NATHAN DAVID | INDIANAPOLIS PRIVATE INDUSTRY COUNCIL | Summer program to serve Marion County young adults in learning and exploring STEM disciplines. | E&T | ORG LEADERSHIP & SUPERVISION | \$103,806 |
| HAINLINE, BRYAN E. | INDIANA STATE DEPARTMENT OF HEALTH | INSTEP - HD 200-27 | MEDICINE | MEDICAL & MOLECULAR GENETICS | \$100,672 |

ANNOUNCEMENTS

Research Enterprise 2010-2011 Submission Guidelines and Publication Schedule Released

The Office of the Vice Chancellor for Research (OVCR) has posted its new article

submission guidelines and publication schedule for fiscal year 2010-2011. Again, each issue will highlight research and scholarly activity in specific theme areas, which will alternate with OVCR themes and initiative. The following outlines the current publication schedule of themed areas.

| Submission Deadlines | Publication Date | Issue Themes |
|----------------------|--------------------|---|
| July 6, 2010 | July 13, 2010 | Science/Technology/ Engineering/Mathematics I |
| August 3, 2010 | August 10, 2010 | OVCR |
| September 7, 2010 | September 14, 2010 | Arts/Humanities/Social Sciences I |
| October 5, 2010 | October 12, 2010 | OVCR |
| November 9, 2010 | November 16, 2010 | Health and Medical Sciences I |
| December 7, 2010 | December 14, 2010 | OVCR |
| January 11, 2011 | January 18, 2011 | Science/Technology/ Engineering/Mathematics II |
| February 8, 2011 | February 15, 2011 | OVCR/Research Day |
| March 8, 2011 | March 15, 2011 | Community-based Research |
| April 5, 2011 | April 12, 2011 | Health and Medical Sciences II |
| May 3, 2011 | May 10, 2011 | OVCR |
| June 3, 2011 | June 10, 2011 | Arts/Humanities/Social Sciences II |

For submission guidelines, please visit <http://research.iupui.edu/enterprise/guidelines.php>. To view past issues, go to <http://research.iupui.edu/enterprise/archive/>. As always, OVCR welcomes your feedback. Please direct all comments and suggestions to ovcr@iupui.edu.

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

Peer Reviewed Cancer Idea Award: The focus is on conceptually innovative, high-risk/high-reward research that could ultimately lead to critical discoveries or major advancements. Preliminary data are not required. However, research projects should include a well-formulated, testable hypothesis based on a strong scientific rationale. The proposal must address one of these topics: blood cancers, colorectal cancer, genomic cancer research and genomic medicine, kidney cancer, Listeria vaccine for cancer, melanoma and other skin cancers, pediatric brain tumors. *Pre-proposal (2 page narrative) deadline is October 14, 2010.*

NATIONAL ENDOWMENT OF THE HUMANITIES

Bridging Cultures through Film: International Topics: The Bridging Cultures through Film: International Topics program supports projects that examine international and transnational themes in the humanities through documentary films. These projects are meant to spark Americans' engagement with the broader world by exploring one or more countries and cultures outside of the

United States. Proposed documentaries must be analytical and deeply grounded in humanities scholarship. The Division of Public Programs encourages the exploration of innovative nonfiction storytelling that presents multiple points of view in creative formats. The proposed film must range in length from a stand-alone broadcast hour to a feature-length documentary. We invite a wide range of approaches to international and transnational topics and themes, such as an examination of a critical issue in ethics, religion, or history, viewed through an international lens; a biography of a foreign leader, writer, artist, or historical figure; or an exploration of the history and culture(s) of a specific region, country, or community outside of the United States. *Application deadline is July 28, 2010.*

NATIONAL SCIENCE FOUNDATION

Biomolecular Systems Cluster: The Biomolecular Systems Cluster supports fundamental research in the areas of molecular biophysics, molecular biochemistry, and metabolic biochemistry. The cluster emphasizes the relationships between structure, function, and dynamics in studies of individual macromolecules, macromolecular complexes, and metabolic pathways. Research of interest to the cluster includes novel and creative projects addressing protein folding and dynamics, natively unfolded proteins, protein design, molecular recognition, enzymology, energy transformations in living systems, and the components, architecture and flux in metabolic pathways. The cluster also encourages multi-disciplinary research at the interface of biology with physics, chemistry, mathematics, computer science, and engineering. *Application deadline is July 12, 2010.*

Developmental and Learning Sciences: The focus is on fundamental research that increases our understanding of cognitive, linguistic, social, cultural, and biological processes related to children's and adolescents' development and learning. Research supported by this program will add to our basic knowledge of how people learn and the underlying developmental processes that support learning, with the objective of leading to better educated children and adolescents who grow up to take productive roles as workers and as citizens. *Application deadline is July 15, 2010.*

Physics of Living Systems: The focus is on the physical principles of organization and function of living systems, including the exploration of artificial life forms. While the problems under study must be important to advancing our understanding of the living world in a quantitative way, particular emphasis will be placed on those projects in which lessons learned from the biological application also expand the intellectual range of physics. Awards will cover a broad spectrum of physics approaches in biology, ranging from the physical principles and mechanisms at the single cell level such as cellular organization (e.g. cytoskeleton), energy metabolism, gene regulation and intracellular and intercellular communication, to collective behavior and evolution of complexity in life forms and living populations of organisms. *Application deadline is July 31, 2010.*

ROBERT WOOD JOHNSON FOUNDATION

Active Living Research: This program supports research to inform policy and environmental strategies for increasing physical activity among children and adolescents, decreasing their sedentary behaviors and preventing obesity. The program places special emphasis on reaching children and youths ages 3 to 18 who are at highest risk for obesity: Black, Latino, American Indian and Asian/Pacific Islander children, as well as children who live in under-resourced and lower-income communities, and supports opportunistic, time-sensitive studies on emerging or anticipated changes in physical activity-related policies or environments. Rapid-response grants are expected to accelerate progress toward policy and environmental strategies to prevent and reduce childhood obesity. *Required letter of intent deadline is July 1, 2010.*

IDENTIFYING FUNDING OPPORTUNITIES

On-line search tools are available to IUPUI investigators who are interested in identifying funding opportunities in their areas of interest.

Community of Science (COS): COS is a primary on-line search tool for identifying funding opportunities. To take advantage of this tool, register at <http://www.cos.com/login/join.shtml>. Once you have completed the short registration process, you can personalize your search by selecting the option entitled "launch your workbench". You can access federal, local, corporate, foundation, nonprofit and other funding opportunities using key terms and save the results of up to 20 searches and have them delivered to you weekly via email.

National Institutes of Health (NIH) "NIH Guide": To take advantage of this search tool, register at <http://grants.nih.gov/grants/guide/listserv.htm>. It allows you to receive discipline specific funding opportunities that are delivered to you weekly via email.

National Science Foundation (NSF) "MyNSF": To take advantage of this search tool, register at <http://www.nsf.gov/mynsf/>. It allows you to receive discipline specific funding opportunities that are delivered to you weekly via email.

Federal Business Opportunities "FedBizOpps": FedBizOpps is the single government point-of-entry for Federal government procurement opportunities over \$25,000. To take advantage of this search tool, visit <http://vsearch1.fbo.gov/servlet/SearchServlet>. Opportunities found at this site include, but are not limited to, presolicitations and special notices for research and service contracts for specific projects and some national centers and surveys that would not be found in Grants.gov and may not be found in the Community of Science.

Limited Submission Funding Opportunities:

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://ovpr.indiana.edu/lmsub/lmsub.asp>. 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.

IU Authentication is required to view the following attachments:

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

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