

Research Enterprise

The Office of the Vice Chancellor for Research (OVCR) publishes the RESEARCH ENTERPRISE to keep the academic community and the community at large informed about research activities, opportunities and development on the IUPUI campus.

Research Offices:

Development
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Compliance
Enterprise Archive

Editor:
Etta Ward

Layout:
James Hoffman

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.

September 12, 2013

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MESSAGE FROM THE VICE CHANCELLOR FOR RESEARCH

Dear Colleagues,

This has been another remarkable year for research at IUPUI. Our research enterprise has continued its robust advancement, with significant achievements in many areas, from health and life sciences to arts and humanities. This achievement has been supported by a strategic research roadmap, which was developed by campus stakeholders and launched in 2008, as the guidepost to aid IUPUI to reach its full potential in research and scholarly activity. The main elements of this roadmap consist of a set of research [vision, mission, and goals](#), supportive of the overall [campus vision, mission, and values](#). The main goal of the roadmap has been for IUPUI to be a top urban research university, conducting research that has great socioeconomic impact. This goal is being realized through the development and expansion of innovative research programs that align well with the institutional mission and strategic plan, address important national and global needs, and through technology transfer and commercialization, noticeably support the economic development of Indiana and the nation.



Vice Chancellor Kody Varahramyan

I would like to take this opportunity to thank you for your contributions to the advancement of our campus' research enterprise. Through our collective efforts we have been instrumental in moving forward our campus-wide strategic initiatives, including the [Translating Research into Practice](#), and the [Signature Centers Initiative](#), and have developed new initiatives, such as the [IUPUI Arts and Humanities Institute](#), the [IUPUI Imaging Research Initiative](#), the [STEM Education Research Institute](#), the [Integrated Nanosystems Development Institute](#), and the

Innovation-To-Enterprise Central.

Through your research and scholarly activity accomplishments, you are expanding the frontiers of knowledge, addressing important national and global needs, and transforming the generated knowledge into practices and solutions that improve people's lives, generate economic growth, and contribute to social well being. As a result, IUPUI is emerging as a top urban research university and is establishing a reputation as a national leader in key research and scholarly activity areas.

Moreover, in our quest to best serve you, we have further developed and organized the resources available through my office to assist you in advancing your research and scholarly activities. Currently, there are three synergistic units organized under my office, consisting of the [Office of Research Development](#), the [Center for Research and Learning](#), and the [Solution Center](#). While these units have their respective missions, combined they serve the primary goal of advancing the IUPUI research enterprise, with emphasis on pursuing innovation and achieving impact. We support this through a multitude of programs and services, including a variety of [internal grant programs](#), [workshops and training programs to succeed in research](#), [proposal development services](#), [research commercialization support](#), [undergraduate research and learning programs](#), and [campus-community engagement programs](#).

I appreciate your efforts in support of our campus' research mission, which is *to develop and expand innovative research programs that align well with institutional mission and strategic plan, address important national and global needs, and through technology transfer and commercialization noticeably support the economic development of Indiana and the nation*. Moreover, as we carry out this mission, we are progressing well in our pursuit of realizing our campus' research vision, which is *to be the best urban research university by conducting world-class research, scholarship, and creative activities that develop knowledge and contribute to the economic growth and social advancement of Indiana and the nation and benefit humanity as a whole*.

As always, your inputs and comments are welcomed and valued.

Kody Varahramyan
Vice Chancellor for Research

FEATURE STORY

IU Professors Receive Luce Foundation Grant to Study Development of Philanthropic Sector in China

Indiana University professors on two campuses have been awarded grants for a new initiative on philanthropy in China. It will include research projects, workshops and conferences, publications, a new course, student internships and engagement in a philanthropic activity to address a social problem.

IU professors on two campuses have been awarded the Henry Luce Foundation grant for a new initiative on philanthropy in China.

The [Henry Luce Foundation](#) has awarded a three-year, \$300,000 grant for the project being led by Scott Kennedy, director of the [Research Center for Chinese Politics and Business](#) in the College of Arts



and Sciences at IU Bloomington, and Angela Bies, director of international programs at the [IU Lilly Family School of Philanthropy](#) at Indiana University-Purdue University Indianapolis.

"We are going to create an advisory board for the initiative of well-respected philanthropists in the United States and China, who will identify a pressing problem in China, figure out a way to raise funding to address it, and then find a vehicle to solve that problem," Kennedy said. "We will both learn and learn by doing."

"Most people who study philanthropy would at least aspire to give something back to practice. However, the depth and extent of this project is far beyond what is the norm -- to have a teaching component, to have a service component and a policy component all in one project," Bies said, adding that this will be a new research model for academics in China.

The Luce grant also will support summer internships for two IU students each year in China, where they will work with existing partners of the Lilly Family School of Philanthropy, NGOs and foundations.

Kennedy and Bies also will develop a new course on philanthropy and civil society in China, which they will jointly teach at IU Bloomington and IUPUI.

Their philanthropy initiative also is being supported by a two-year \$109,000 grant from the [Ford Foundation](#), which will be used to study corporate philanthropy in China. Support also has come from the Lilly Family School of Philanthropy and the Office of the Provost at IU Bloomington.

"This international and interdisciplinary project focuses on philanthropic practice and potential in a key area of the world," IU Bloomington Provost Lauren Robel said. "We are extremely grateful to the Luce Foundation for supporting this innovative research, which also aims to aid the growth of China's philanthropic sector."

"With additional support from the Ford Foundation, we are able to bring together faculty expertise from IU Bloomington's School of Global and International Studies, Kelley School of Business and School of Public and Environmental Affairs along with our esteemed colleagues at IUPUI's Lilly Family School of Philanthropy," Robel added. "Working together with our research partners in China, there is enormous potential to influence positive growth in China's nonprofit sector."

"This project stems from the Lilly Family School of Philanthropy's deep roots in promoting mutual international understanding of philanthropy, and it will be a central part of advancing our commitment to further internationalizing our work," said Gene Tempel, founding dean of the school. "This is an exciting time in the creation of China's formal philanthropic sector, and we are eager to learn from and with our Chinese colleagues. Engaging with and across diverse key constituents involved in Chinese philanthropy affords our students, faculty and staff unprecedented opportunities to witness and study the development of a

philanthropic ecosystem in a nation where changes are occurring virtually daily."

China passed its first large-scale law governing foundations in 2005. Today, there are more than 3,000 registered foundations there. Overall philanthropic giving accounts for 1.5 to 2 percent of the nation's gross domestic product. But the quality and capacity of NGOs and foundations are not fully developed, nor is awareness by companies about how to engage with philanthropic organizations.

"We're in very early days in terms of the emergence of China's philanthropic sector," said Kennedy, also an associate professor of political science and East Asian languages and cultures. "China is among the more developed countries in terms of the overall amount of giving and philanthropic activity, but from the perspective of people who look at China, it looks like a very immature sector. It's grown quickly, but it's not very well developed."

Bies, also an associate professor in philanthropic studies, has an extensive background in international development and exchange that includes senior leadership at the Charities Review Council, the American Field Service and projects in Africa, Central Europe, Pakistan and elsewhere.

"It would be wrong to say that China as an ancient culture doesn't have a history of philanthropy," Bies said. "But in contemporary China, the institutions for philanthropy are nascent and they are changing rapidly. I think that philanthropy will play an increasingly important role in the future of China, both in terms of domestic and foreign investment."

She said the developing regulatory environment in China has led universities there to play more of a leading role in conducting research and training in the philanthropic sector than has been seen in other emergent philanthropic sectors. The academy in China is serving as an incubator for significant thinking and action around social entrepreneurship and philanthropy.

Kennedy and Bies expect their project will tap into that environment along with nine research partners at Sun Yat-sen University, Beijing Normal University, Tsinghua University, the Council on Foreign Relations, the Conference Board, China Development Brief, the University of Wisconsin Law School and IU's Kelley School of Business and School of Public and Environmental Affairs.

Other IU faculty involved in the initiative includes Marjorie Lyles, the OneAmerica Chair in Business Administration at the IU Kelley School at Indianapolis, and Chao Guo, associate professor and director of international programs in SPEA at IUPUI and the Lilly Family School of Philanthropy.

While the project focuses on China, Bies believes what is learned will have applications in emergent philanthropic sectors in other parts of the world, such as the Middle East.

"The growth of and changing role of philanthropy is a global phenomenon," Bies said. "This is an important issue as NGO sectors merge and change, as they emerge, and as democratic institutions evolve in various parts of the world."

ANNOUNCEMENTS

Workshop on the Ins and Outs of Applying for NIH Funding

Faculty are invited to attend a special workshop titled ***Ins and Outs of Applying for NIH Funding***. The event will take place on September 27, from 9:00 AM to 12:00 PM, in the IUPUI Campus Center Theater.

How to prepare and submit grant proposals to the National Institutes of Health

(NIH) is the focus for this interactive discussion by representatives of the Office of the Vice Chancellor for Research. Topics to be covered will include the identification of the different types of funding mechanisms and those most appropriate for your career stage, a description of the content of excellent proposals, a presentation of resources available within the University to support proposal development, and an intensive look at the peer review process. Highlighting the event is a panel discussion by current and previous NIH awardees and study section participants who will provide an in-depth look into the review process and a presentation by staff from the Office of Research Administration.

Register for this event at <https://crm.iu.edu/CRMEvents/NIHFundingWorkshop/>.

Enhanced Mentoring Program with Opportunities for Ways to Excel in Research (EMPOWER) – Deadline Extended to September 17th

There is still time to apply for this outstanding internal grant opportunity! The deadline has been extended to **Tuesday, September 17, 2013**.

Co-sponsored by the Office of the Vice Chancellor for Research and the IUPUI Office for Women.

Is **EMPOWER** for You?

Goal: To assist junior faculty through a year-long formal and funded mentoring process - 1) to become successful in sponsored research and scholarly activity, and 2) to achieve significant professional growth and advancement

Eligibility for Mentees: Mentees are 1)assistant professors in tenure-track faculty positions or 2) associate professors in tenured faculty positions - who are historically underrepresented and/or excluded populations in their discipline or area of scholarship and/or historically denied admission to higher education or that discipline.

Eligibility for Mentors: Mentors for category #1 are associate professors or professors with successful research programs, who are willing to sponsor and support mentees, and assist with developing their research agenda. Mentors for category #2 are professors with successful research programs, who are willing to sponsor and support mentees, and assist with developing their research agenda.

Funding: \$5,000 for mentees; \$1,000 for mentors

Matches: Mentors and mentees can apply separately to the program and get matched by the review committee, or apply together as a team and get evaluated by the review committee.

Application and guidelines available at: <http://research.iupui.edu/funding/>

Questions? Contact Etta Ward at emward@iupui.edu or Kathy Grove at ksgrove@iupui.edu

How to Apply for Funding from The National Endowment for the Humanities - Information Webinar

When: Wednesday, September 18th, 2013
2pm to 3pm
Where: University Library, room 1116
Register at:



<https://crm.iu.edu/CRMEvents/NEHWebinar/>

The NEH will host a webinar during which expert NEH staff will share resources, grant programs, and tips for Indiana-based college faculty members interested in applying for federal funding to advance their research. Webinar attendees will learn more about the various programs NEH supports as well as best practices for writing grant applications.

In advance of the webinar, attendees will receive resources via email. To learn more about the NEH and grant opportunities for college faculty, please visit www.neh.gov.

The NEH thanks Indiana University and Senator Joe Donnelly's office for their assistance in planning this webinar.

Applications Sought for Center for Research and Learning Student Research Opportunities



Applications are now available for participation in a Multidisciplinary Undergraduate Research Institute (MURI) team or an Undergraduate Research Opportunities Program (UROP) grant project during academic year 2013-2014. The deadline for student applications is September 17, 2013. Applications can be found at the links below. Both programs offer competitive stipends and give students the opportunity to work with a faculty mentor. Projects begin in October and continue through the academic year.

MURI

The Center for Research and Learning is now accepting applications from students for academic-year MURI projects. Students will need the following documents when they apply for MURI:

- Transcript
- Résumé
- Reference letter from faculty member

For more information about MURI, go to
<http://crl.iupui.edu/programs/MURI/index.asp>.

UROP

IUPUI students must identify a faculty mentor, with whom they work to write a proposal for a substantive research project. Projects should last at least several months, and grant periods are up to two years or until baccalaureate graduation, whichever comes first. Stipends are awarded to the best-qualified candidates. Documents required to apply for a UROP grant include:

- Transcript
- Résumé
- Recommendation letter from faculty mentor

For more information about UROP, go to

[http://www.crl.iupui.edu/programs/UROPgrant/index.asp.](http://www.crl.iupui.edu/programs/UROPgrant/index.asp)

Kuali Coeus (KC) IRB Now Live for New Studies

Effective Monday, 19 August, all new studies must be submitted through KC IRB. Indiana University is the largest and most complex institution to date to develop and implement KC IRB. For more information regarding KC IRB, visit researchadmin.iu.edu/News/Newsletters/Systems/KCIRB/05/orc_newsletter05.html

CENTER SPOTLIGHT

Patent Offers Significant Breakthrough Potential for Low-cost Storage of Hydrogen

The director of the Richard Lugar Renewable Energy Center at IUPUI has been awarded a patent that brings a 40-year-old prediction of hydrogen replacing oil as the next energy source closer to realization.

Ironically, the prediction by General Motors engineers in the 1970s about a "hydrogen economy" may come true first someplace other than the U.S.

The U.S. Patent and Trademark Office issued Patent 8,518,856, "Solid-State Hydrogen Storage Media and Catalytic Hydrogen Recharging Thereof," to Dr. Peter Schubert, making it the third patent he has received since joining the center at Indiana University-Purdue University Indianapolis in 2011 and his 37th patent overall. The center is part of the School of Engineering and Technology.



Peter Schubert, Ph. D.

The patent addresses hydrogen storage for fuel-cell applications and uses porous silicon as the storage material, covered by two previous patents. The third patent is the keystone of the entire concept, covering strategic placement of catalyst atoms to facilitate moderate-temperature and moderate-pressure re-charge of hydrogen.

"This has significant breakthrough potential because all existing hydrogen storage media now require either extremely high pressures or extremely cold temperatures to store amounts of hydrogen beyond 2 or 3 percent of the weight of the material holding it," Dr. Schubert said. His patent theoretically offers the path to reversible, low-cost storage of hydrogen. Laboratory tests show storage up to 6.6 percent by weight when using porous silicon as a solid-state hydrogen storage media.

"If that breakthrough moves hydrogen toward replacing oil as a fuel, that movement is likely to be pursued outside the U.S. in countries that need transportation fuels. In the U.S., an abundance of natural gas that is cheaper than renewable energy has undercut motivation to invest in hydrogen technology," Schubert said. He is working with Indiana University Research and Technology Corp., which formed Hydrogen Sponge, LLC, to advance the technology. IURTC is a not-for-profit agency that assists faculty and researchers in realizing the commercial potential of their discoveries.

Hydrogen Sponge is preparing a Kickstarter fundraising campaign for experiments

to prove the technical feasibility of the technology. The company also is pursuing a federal Small Business Innovation Research grant to help develop lab capabilities.

Dr. Schubert and his research team are also looking to China for funding. The team will be presenting papers on this technology and its economic implications at the World Hydrogen Technology Convention in Shanghai, China, Sept. 25 to 28.

"We will be talking to Chinese investors," Dr. Schubert said. "They have the money, and no one in the U.S. seems to be investing in renewable energy."

FACULTY SPOTLIGHT

Editors, Actors, and the Laboratory of Shakespeare

Editing the *Complete Works* of William Shakespeare was something associate professor of English Drama, Dr. Terri Bourus, never considered when she joined the faculty in August 2007. Founding and directing a theatre company dedicated to Shakespeare seemed even less likely. Dr. Bourus came to the School of Liberal Arts to develop a degreed Theatre Program at IUPUI. But after three years and five successful international acting residencies on campus, she was asked to direct the New Oxford Shakespeare project, connecting IUPUI to Oxford University Press, the world's leading academic publisher. She is one of three general editors of this global Shakespeare initiative—a multiplatform project that has already captured the attention of major scholars and theatre practitioners three years ahead of its projected publication in 2016.



Terri Bourus, Ph.D.

In 2010, Dr. Bourus founded Hoosier Bard Productions, the theatrical arm of the New Oxford Shakespeare project, launching the only theatre company connected to the campus. Collaborating with Drs. Gary Taylor (lead general editor), Rory Loughnane and Anna Pruitt (on-site associate editors), Dr. Bourus tests editorial theories about problematic Shakespeare plays by placing them in the environment they were designed for: the stage. So far, Dr. Bourus has directed *Young Hamlet*, based on the earliest version of the play; *The History of Cardenio*, a reconstruction of the so-called "lost" Shakespeare-Fletcher play, based on *Don Quixote*; and two versions of *Measure for Measure* (Shakespeare's original and Middleton's adaptation).

"Theatre is a form of research, and the collaborative nature of Shakespeare's multimedia art has become a hotly debated, fruitful topic at the center of editorial research," according to Dr. Bourus; "staging these plays has been revealing in ways I never imagined—they illuminate Shakespeare's working creative interaction with actors, musicians, and other playwrights in early modern London." Bourus' and Taylor's book *The Creation and Recreation of 'Cardenio'* includes an analysis of her experience directing the play, and will be published this month by Palgrave Macmillan. Their analysis of the *Measure* experiment—"Performance-Testing the Adaptation Hypothesis"--has just been accepted by *Shakespeare*, the journal of the British Shakespeare Association, and will be published later this year. Meanwhile, she's already meeting with leading scholars in London, Oxford, and Stratford-upon-Avon, planning the next phases of the project that is making theatre an essential component of the research mission of IUPUI.

STUDENT SPOTLIGHT

Chemistry Major Makes the Most of Opportunities to Get Involved

When you're a student in junior high school, events like your teacher accidentally setting the classroom ceiling on fire tend to stick in your mind. For Stephanie Metcalf, the mishap helped spark her interest in science and soon will lead to a career in biomedical research.

As a student at Borden Jr./Sr. High School, Metcalf was fortunate to have a teacher, Ross Shauver, whose enthusiasm for chemistry was contagious. That passion led her to IUPUI and the Department of Chemistry and Chemical Biology.

"I like solving things," said Metcalf, from Sellersburg, Ind. "I went to a forensic summer camp when I was in high school, and I fell in love with all the instruments and the samples and all the preparation that takes place in the lab. My counselor said I should look into it further."



Stephanie Metcalf, Undergraduate Student, Chemistry and Chemical Biology, Biomedical Science Researcher

"The atmosphere in the department and the school makes it easy to get involved and invested in everything going on here."



Stephanie Metcalf, far left, is joined with fellow student leaders at a Science Ambassadors event.

And she did. The School of Science at IUPUI has an accredited undergraduate program in forensic science, but it was the chemistry program that she found to be the best fit for her. The opportunities for research matched her career plans, and she's made the most of every chance she's had to work in a lab, participate in mentoring programs and even help recruit students to the school she has grown to love.

"What I really like is how close-knit the department is," she said. "I have two advisors, and I know I can go to either of them at any time for advice or direction. I have gotten to know all the faculty and students. I'm still friends with most of the freshman chemistry majors I met on my first day of school at

IUPUI."

"The atmosphere in the department and the school makes it easy to get involved and invested in everything going on here," she added.

Metcalf has been a member of the Honors College since her freshman year. She is a leader in Peer-Led Team Learning (a nationally recognized, student-led mentoring program to help students in core science courses), a participant in the Life Health Sciences Internship Program and member of the Chemistry Club. For the past year, she has worked in the lab of Dr. Marc Mendonca studying radiation oncology, specifically the effect of therapeutic drugs on pancreatic cells when exposed to radiation.

"Being able to do some real research solidified what I wanted to do in graduate school," Metcalf said. "I first thought I would work in the pharmaceutical industry, maybe something corporate, but now I know I want to do some sort of biomedical research and possibly teach after getting my Ph.D."

Metcalf has been president of the Science Ambassador Leadership Team for two

years. She plans recruiting events, conducts student tours, and manages other Science Ambassadors to help attract talented high school students to the School of Science at IUPUI.

"I know I wouldn't have been able to have the same quality of experiences that I've had here at another university," she said. "I enjoy getting to brag about IUPUI, because this school has had such a positive impact on me that I love sharing that with people."

TRANSLATIONAL RESEARCH IMPACT

Professor Receives National Knapp Award in Interpersonal Communication

The National Communication Association, which promotes the use of competent communication and knowledge about communication to improve the quality of human life and relationships and to solve human problems, has named an Indiana University-Purdue University Indianapolis professor as the recipient of one of its prestigious awards.

Dr. Sandra Petronio is the 2013 recipient of the Mark L. Knapp Award in Interpersonal Communication. At IUPUI, Petronio is a professor of communication studies in the IU School of Liberal Arts and in the IU School of Medicine. She also is senior affiliate faculty in the Charles Warren Fairbanks Center for Medical Ethics at IU Health and is an adjunct faculty member in the IU School of Nursing and the IU School of Informatics and Computing.

The Knapp Award in Interpersonal Communication recognizes individuals who throughout their careers have made significant scholarly contributions to the study of interaction and/or relational processes. The award also recognizes recipients for active involvement in interpersonal communication, significant mentoring of students and/or public service focused on interpersonal communication.

According to a nominating letter, Petronio's "theorizing has changed the way interpersonal communication is studied, taught and practiced across disciplines. Her contributions have been sustained and increased in scope over her career to the point where she is now one of the most widely recognized and important communication scholars in the academy. In short, Dr. Petronio epitomizes the standards for this award."

Dr. Petronio is the founding director and has managed the Translating Research Into Practice Initiative, known as TRIP, since 2007. Supported by TRIP, IUPUI researchers take the information they have learned from scholarship and apply it to create practical solutions to problems faced by people and communities. TRIP faculty have worked on projects to help farmers, manufacturers, policy makers, educators, etc.

"Professor Petronio leads among our extensive community of translational scholars at IUPUI, whose interdisciplinary and cross-disciplinary research works toward the betterment of people's lives across communities, our state, and beyond," said Nasser Paydar, executive vice chancellor and chief academic officer. "This well-



Sandra Petronio, Ph.D.

deserved recognition from the National Communication Association is an affirmation of her path-breaking work, its impact, and importance."

Dr. Petronio earned her doctorate in communication from the University of Michigan. She developed the Communication Privacy Management Theory, widely considered to be an important breakthrough in understanding how people manage private information in their everyday lives. Her book, "Boundaries of Privacy: Dialectics of Disclosure," won the 2003 Gerald R. Miller Award from the National Communication Association and the 2004 IARR Book Award from the International Association for Relationship Research. She is past president of IARR and past chair of the National Communication Association Interpersonal Division.

Petronio "has amassed an impressive research record in areas both theoretical and applied," the Knapp award committee said of its selection of the IUPUI professor as the award recipient. "Her books on, and theory of, communication privacy management, which she has developed over the past 30 years, is relevant to so many social and technological contexts and has inspired an enormous number of citations. Her body of work is of interest not only to scholars but practitioners and citizens alike, given its potential to improve the lives of all."

The National Communication Association will present the Knapp award to Petronio during its 99th annual convention in November in Washington, D.C.

OVCR INTERNAL GRANT DEADLINES

Important Note: Guidelines for most of the Office of the Vice Chancellor for Research internal grant programs have changed. The new guidelines must be used for all applications starting this fall including resubmissions.

Research Support Funds Grant (RSFG): The Research Support Funds Grant (RSFG) program is designed to enhance the research mission of IUPUI by supporting research projects and scholarly activities that are sustainable through external funding. The next RSFG application deadline is **October 15, 2013**. For grant guidelines and application forms, go to <http://research.iupui.edu/funding/>.

International Development Fund (IDF) GRANT: The IDF grant was developed to enhance the international research and scholarly activity focus of the IUPUI academic mission. Generally, the IDF grant serves as venture capital to stimulate additional funding for international research and scholarly activity, which have strong potential to generate indirect cost recovery from extramural sources. The next IDF application deadline is **November 15, 2013**. For grant guidelines and application forms, go to <http://research.iupui.edu/funding/>.

OTHER INTERNAL GRANT DEADLINES

IU Health Values Fund Competition Proposals Due at Noon, October 14th

Application forms and instructions are now available for the 2014-2016 IU Health Values Fund grants for Medical Research, Medical Education and The Integration of Religious and Spiritual Dimensions to Health Care. Eligible applicants include IU Health Academic Health Center (AHC) employees and/or those with IU Health AHC medical staff privileges. Application requirements vary among the three programs, so please carefully review the full instructions.

Questions regarding only the IU Health Values Fund for **Medical Research** or clinical **Medical Education** grants should be directed to Rob Clark, Grants Specialist, IU Health Grants Administration & Development Office, at 317-962-9653, rclark16@iuhealth.org, or 1812 N. Capitol Ave, Wile Hall, Rm. W 219, Indianapolis, IN 46202.

Questions and all letters of intent (LOI) regarding **The Integration of Religious and Spiritual Dimensions in Health Care** grant program should be directed to Steven Ivy, Ph.D., SVP, Values Ethics, Social Responsibility & Pastoral Services Division (sivy@iuhealth.org) or Tereasa Gillentine, administrative assistant, at 317-962-3591, 317-962-2276 (fax), tgillentin@IUHealth.org, or sent to IU Health, Office of Values, Ethics, Social Responsibility & Pastoral Services, 340 West 10th St., Fairbanks Hall, Suite 6107, Indianapolis, IN 46202.

Instructions, forms, and pre-applications meetings are found on IU Health's PULSE intranet website at <http://pulse.clarian.org/>.

OVCR EVENTS AND WORKSHOPS

Basic Proposal Development

When: Thursday, September 19, 2013 | 11:30 AM-1:00 PM

Where: University Library, Room 1126

This workshop will focus on the basic essentials of building a successful grant proposal for agencies that fund in a variety of disciplines (science, engineering, arts, humanities, and social sciences). A wide-range of topics will be covered from developing a strong foundation for your application to key components of the narrative, the basic budget, writing styles, and interpreting agency guidelines, the necessity for knowing how your proposal will be reviewed, funding limitations, and how to communicate complex ideas in a limited space. You are welcome to bring your lunch.

Register: <https://crm.iu.edu/CRMEvents/BasicProposalDevelopment/>

Finding Funding (Repeat Session)

When: Thursday, September 26, 2013 | 10:00am - 11:00am

Where: University Library, Room 0106

This workshop will focus on the basic essentials of building a successful grant proposal for agencies that fund in a variety of disciplines (science, engineering, arts, humanities, and social sciences). A wide-range of topics will be covered from developing a strong foundation for your application to key components of the narrative, the basic budget, writing styles, and interpreting agency guidelines, the necessity for knowing how your proposal will be reviewed, funding limitations, and how to communicate complex ideas in a limited space. You are welcome to bring your lunch.

Register: <https://crm.iu.edu/CRMEvents/FundingRepeatSession/>

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

When: Tuesday, October 8, 2013 | 12:00pm - 1:00pm
Where: University Library, Room 2120

Presenter: Heather Coates, Digital Scholarship and Data Management Librarian, University Library

As of January 18, 2011, the National Science Foundation now requires a Data Management Plan for all new proposals. This plan should describe how the proposed study will disseminate and share the collected research results. Do you know what this plan should include? Are you aware of best practices and standards for data management, sharing, and preservation? Do you know what research support services are available at IUPUI? This workshop will provide key information on current NSF data policies, practical tips for developing a data management plan, and resources available on campus. Q&A will follow the presentation. Anyone planning to apply for NSF funding is welcome to attend. Feel free to bring your lunch.

Register: <https://crm.iu.edu/CRMEvents/NSFDataPlan/>

IUPUI Imaging Research Symposium

When: Wednesday, October 9, 2013 | 10:00am - 4:30pm
Where: University Library, Lilly Auditorium

The objective of this Symposium is to bring together investigators from diverse scientific disciplines with image technology experts to explore potential collaborative research opportunities. Presentations will highlight several of the imaging capabilities that are available within the IUPUI community as well as applications of advanced imaging methods to address current scientific, medical, and engineering questions. The target audience includes researchers within the IUPUI/IU/PU community as well as academic and industrial investigators within the greater Indiana research community.

Register: <https://crm.iu.edu/CRMEvents/ImagingSymposium/>

ITS Cyberinfrastructure Session

When: Wednesday, October 16, 2013 | 2:30pm - 4:00pm
Where: Campus Center, Room 309

ITS has added significantly to its computational and storage resources with the new Big Red II supercomputer and Data Capacitor II data storage system. These systems are managed by the Research Technologies Division of ITS, and the leaders of Research Technologies are intent upon ensuring that these new systems are well used by faculty, staff, and students of IUPUI. As IUPUI develops its new strategic plans and ITS deploys these new services this year (with planned additions to visualization systems as well) now is an ideal time to ensure that everyone at IUPUI understands the cyberinfrastructure services, consulting, and research technologies services in general that ITS offers for researchers, scholars, clinicians, engineers, and artists.

This event is co-hosted by the Office of the Executive Vice Chancellor and Chief Information Officer and the Office of the Vice Chancellor for Research.

Register: <https://crm.iu.edu/CRMEvents/UITSCyberinfrastructure/>

Developing Multi-Investigator, Multi-Institutional Proposals

When: Thursday, October 17, 2013 | 11:30 AM-1:00 PM

Where: University Library, Room 1116

The current funding environment favors large, complex, multi-institutional, multi-investigator projects. However, organizing a successful submission takes a great deal of planning and teamwork. What works best in which situation? Should you use a "Red Team Review"? What role does the RFP serve to organize the writing efforts? Professional proposal writers and editors will discuss these and a number of related issues at this session. You are welcome to bring your lunch. (limited to 30 attendees)

Register: <https://crm.iu.edu/CRMEvents/MultiInvestigatorProposals/>

Nine Golden Rules to Succeed in Research and Scholarship

When: Friday, October 25, 2013 | 11:30am - 1:00pm

Where: University Library, Room 1126

This session will reveal the Nine Golden Rules on how to succeed in research and scholarship. It is focused toward new and early career investigators; however, mid-career faculty should find information of interest as well.

Register: <https://crm.iu.edu/CRMEvents/NineGoldenRules/>

IUPUI Innovation to Enterprise Showcase & Forum

When: Tuesday, November 19, 2013 | 4:00pm - 6:00pm

Where: Campus Center, Room 450 A and B

The Office of the Vice Chancellor for Research and the Indiana University Research & Technology Corporation (IURTC) cosponsor the IUPUI Innovation to Enterprise Showcase & Forum. This event highlights the research and creative successes of our faculty, research scientists, and students as they relate to technology transfer and commercialization, noticeably supporting the economic development of Indiana and the nation. Explore the many opportunities for partnering with IUPUI or learn about the exciting entrepreneurial ventures being launched.

Register: <https://crm.iu.edu/CRMEvents/InnovationShowcase/>

OTHER EVENTS AND WORKSHOPS

Responsible Conduct of Research Series - Fall 2013

The University Graduate School, The Poynter Center and the Office of Research Ethics, Education & Policy (REEP) announce the Responsible Conduct of Research (RCR) Series. The purpose of this series is to discuss and explore RCR topics, including Mentorship, Collaborative Science, Authorship & Publications, Peer Review, Research Misconduct and Intellectual Property. The primary audience is graduate students and post doctoral fellows but we encourage anyone in the IU research community to attend. Please forward this announcement to interested graduate students and post doctoral fellows.

A certificate of completion will be awarded to those individuals who attend all 6 sessions within two years. The educational sessions will be held once per month on the Bloomington and Indianapolis campuses.

To register for a session, please visit the Educational Opportunities page, http://researchadmin.iu.edu/EO/eo_sessions.html. You may filter the sessions by selecting *Ethics, Education & Policy* from the drop-down list of Areas.

Mentorship

September 24, 2013
10 am - 12 pm
Campus Center, Room 264

Collaborative Science

October 16, 2013
1:30 - 3:30 pm
Campus Center, Room 148

Authorship and Publications

November 14, 2013
10 am - 12 pm
Campus Center, Room 264

Women in Medicine & Science (WIMS) Conference: *Making Your Life Work*

Monday, November 11, 2013
2:30 PM - 5:00 PM

Women and men today need a toolbox of techniques to cope with the demands of academic life. As one of only five medical schools in the country [recognized by the Alfred P. Sloan Foundation as an Innovator in Faculty Career Flexibility](#), Indiana University School of Medicine recognizes the need to support diverse faculty, staff, and learners of all genders, at all career stages.



Ellen Ernst Kossek, Ph.D.

This highly interactive workshop is designed to share a framework for helping individuals better understand approaches to dividing time and attention between the many demands of work and personal life.

About the Presenter:

[Ellen Ernst Kossek, PhD](#) is the Basil S. Turner Professor of Management at Purdue University's Krannert School of Management and Research Director of the [Susan Bulkeley Butler Center for Leadership Excellence](#).

About the Women in Medicine & Science Conference:

Held each fall, the IUSM Women in Medicine and Science (WIMS) conference provides a collegial and professional environment for faculty, residents and fellows, students, and staff to discuss career advancement, particularly issues of interest to women.

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 - June 2013

PI	Agency	Project Title	School	Department	Total
Liechty, Edward A	NATIONAL INSTITUTES OF HEALTH	Global Network for Women's and Children's Health Research (U10)	MEDICINE	PED-NEONATAL MEDICINE	\$3,978,755.00
Conway, Simon J	NATIONAL HEART, LUNG AND BLOOD INSTITUTE	Role of TGFbeta superfamily in Broncopulmonary Dysplasia	MEDICINE	PED-NEONATAL MEDICINE	\$1,541,280.00
Breier, Alan	NATIONAL CENTER FOR ADVANCING TRANSLATION SCIENCE	The Efficacy and Safety of a Selective Estrogen Receptor Beta agonist (LY500307) for Negative Symptoms and Cognitive Impairment Associated with Schizophrenia	MEDICINE	PSYCHIATRY	\$1,238,241.00
Zero, Domenick T	U.S. ARMY MEDICAL RESEARCH AND MATERIEL COMMAND	Clinical Studies of Antiplaque Chewing Gum (W81XWH-11-T-0544)	DENTISTRY	DENTISTRY-ORAL HEALTH	\$1,219,651.00
Hylton, Peter	INDIANA ECONOMIC DEVELOPMENT CORPORATION	Advanced Dynamic Vehicle Simulation	E&T	MECHANICAL ENGINEERING TECH	\$1,150,000.00
Kiovsky, Richard D	INDIANA STATE DEPARTMENT OF HEALTH	FY 2013 Area Health Education Centers Operating Support	MEDICINE	AREA HEALTH EDUCATION CENTERS	\$1,143,993.00
Fife, Kenneth H	BECTON DICKINSON	HPV Assay on BD Viper LT System with Cervical Specimens. BDS-USHPV	MEDICINE	INFECTIOUS DISEASES	\$948,234.00
Stutsman, John W	SUSAN THOMPSON BUFFETT FOUNDATION	Kenneth J. Ryan Residency Training Program	MEDICINE	OBSTETRICS AND GYNECOLOGY	\$399,127.00
Asirwa, Fredrick Chite	PFIZER, INC	AMPATH-Oncology Cancer Treatment -- Determining a Sustainable Model for the Provision of Chemotherapy in a Resource-Constrained Setting	MEDICINE	GENERAL INTERNAL MEDICINE	\$300,000.00
Were, Martin Chieng	MEDTRONIC FDN	mPowering Frontline Health Workers for Noncommunicable Disease Management	MEDICINE	GENERAL INTERNAL MEDICINE	\$250,000.00
Schrader, Stuart M	MARION COUNTY HEALTH DEPARTMENT	13-14 Marion County Public Health Department Professional Service Grant, Ryan White Services Program: Oral Health Fee for Dental Service and Outreach Services	DENTISTRY	DENTISTRY-RESEARCH	\$198,000.00
Bute, Jennifer Jo	INDIANA STATE DEPARTMENT OF HEALTH	Journaling for Underserved Pregnant and Parenting Adolescents Evaluation Project: Proposal for Phase 3 Summative Evaluation and Program Design	LIBERAL ARTS	COMMUNICATION STUDIES	\$183,078.00
Lee, Men-Jean	INDIANA STATE DEPARTMENT OF HEALTH	Maternal and Child Health Comprehensive Care Alliance Grant	MEDICINE	OBSTETRICS AND GYNECOLOGY	\$160,294.00
Kiovsky, Richard D	INDIANA STATE DEPARTMENT OF HEALTH	Indiana Primary Care Office ARRA Retention and Evaluation Activities (REA) Initiative (Retention Component)	MEDICINE	AREA HEALTH EDUCATION CENTERS	\$142,154.00
Rex, Douglas K	BATTELLE MEMORIAL INSTITUTE	Study on Performance Characteristics of Immunochemical and Guaiac FOBT	MEDICINE	GASTROENTEROLOGY	\$137,767.00
Bodenhamer, David J	TEXAS WATER DEVELOPMENT BOARD	State of Texas Hurricane Risk Assessments	LIBERAL ARTS	POLIS	\$120,000.00
Srour, Edward F.	AMERICAN SOCIETY OF HEMATOLOGY	CD166 (ALCAM): A critical marker of hematopoietic stem cells and their niche	MEDICINE	HEMATOLOGY/ONCOLOGY	\$100,000.00
Haider, Kathryn M	INDIANA UNIVERSITY HEALTH	Effects of Intravitreal Injection of Bevacizumab: A Novel Treatment for Retinopathy of Prematurity	MEDICINE	OPHTHALMOLOGY	\$100,000.00

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.

AMERICAN CHEMICAL SOCIETY

New Directions Grants: The New Directions Grants Program aims to stimulate a new direction of research for established faculty, and to support the careers of their student scientists and engineers. The New Directions (ND) grants program provides funds to scientists and engineers with limited, or even no, preliminary results for a research project they wish to pursue, who intend to use the PRF-driven preliminary results to seek continuation funding from other agencies. ND grants are to be used to illustrate proof of concept/feasibility. Accordingly, they are to be viewed as seed money for new research ventures. A "new research direction" is something different from previous research performed by the lead principal investigator (lead PI). But, it may involve a field of science or engineering in which others are already working. Therefore, the proposed research should not be in the same direction as, or overlap with, current projects in the lead PI's research group. These are two-year, \$120,000 grants; ACS expects to award 100. *Deadline is November 1, 2013.*

DEPARTMENT OF ENERGY

Systems Biology Enabled Research on the Role of Microbial Communities in Carbon Cycling: This announcement solicits applications for: 1) systems biology studies on regulatory and metabolic networks of microbes, microbial consortia, and microbe-plant interactions involved in biogeochemical cycling of carbon, 2) development of -omics approaches to investigate microbial community functional processes involved in carbon cycling in terrestrial ecosystems, and 3) development of -omics enabled methods and technologies for imaging and analysis of microbially-mediated carbon cycling processes in terrestrial ecosystems. Applications focusing on model organisms or communities that are of limited relevance to understanding global scale carbon cycle processes are not encouraged. Applications primarily focused on metagenomic sequencing are not encouraged for this FOA and should instead be directed to the DOE Joint Genome Institute's Community Sequencing Program. This program encourages the submission of innovative "high-risk/high-reward" research applications that address critical knowledge gaps and have the potential for high impact. *Deadlines: Pre-application: March 4, 2014; application: April 19, 2014.*

NATIONAL AERONAUTICS and SPACE ADMINISTRATION

Research Opportunities in Space and Earth Sciences (ROSES): Atmospheric Composition Campaign Data Analysis and Modeling: Atmospheric composition changes affect air quality, weather, climate, and critical constituents, such as ozone. Atmospheric exchange links terrestrial and oceanic pools within the carbon cycle and other biogeochemical cycles. Solar radiation affects atmospheric chemistry and is, thus, a critical factor in atmospheric composition. Atmospheric composition is central to Earth system dynamics, since the atmosphere integrates surface emissions globally on time scales from weeks to years and couples several environmental issues. NASA's research for furthering our understanding of atmospheric composition is geared to providing an improved prognostic capability

for such issues (e.g., the recovery of stratospheric ozone and its impacts on surface ultraviolet radiation, the evolution of greenhouse gases and their impacts on climate, and the evolution of tropospheric ozone and aerosols and their impacts on climate and air quality). Toward this end, research within the Atmospheric Composition Focus Area addresses the following science questions: 1) How is atmospheric composition changing? 2) What trends in atmospheric composition and solar radiation are driving global climate? 3) How does atmospheric composition respond to and affect global environmental change? 4) What are the effects of global atmospheric composition and climate changes on regional air quality? 5) How will future changes in atmospheric composition affect ozone, climate, and global air quality? *Deadline is January 17, 2014.*

NATIONAL INSTITUTES OF HEALTH

Midcareer Investigator Award in Patient-Centered Research: The purpose of this K24 mechanism is to provide support to mid-career health-professional doctorates or equivalent who are typically at the Associate Professor level or the equivalent for protected time to devote to patient- oriented research (POR) and to act as research mentors primarily to clinical residents, clinical fellows, and/or junior clinical faculty. The award will provide salary for levels of effort between 3-6 person-months (or 25 and 50% full-time professional effort). The actual salary provided by the award is based on a full-time, 12- month staff appointment at the sponsoring institution, the PD/PIs institutional salary, and the level of effort requested, up to the maximum legislated salary rate in effect at the time of award. *Deadlines: November 12, 2013; March 12 & July 12, 2014.*

Research Networks for Macromolecular Interactions in Cells (U54): The purpose of this vehicle is to establish interdisciplinary collaborative research networks to advance studies of macromolecular interactions and their relationship to function in cells. These networks are designed to integrate additional research strategies into NIGMS' research base of laboratories specializing in macromolecular function in living systems. Investigators may use this funding opportunity to 1) complement each other's capabilities (biochemistry, genetics, chemistry, or pharmacology, et al), where the innovation is in the biology rather than in the technology; 2) apply proven technologies that are technically challenging, expensive, or not yet widely used in cell biology and allied fields (mass spectrometry, high-throughput screening); 3) develop, pilot, evaluate, and/or apply emerging technologies (for example, super resolution light microscopy); 4) carry out feasibility studies or upstream research and development of new technological concepts that are unproven, but potentially useful for study of macromolecular interactions. This announcement invites unconventional research strategies, including exploratory, descriptive, and statistical approaches, and encourages discovery and hypothesis generation as research objectives. *Deadlines: Letter of intent: April 30, 2014; submission: May 30, 2014.*

Immune Mechanisms of Virus Control (U19): The National Institute of Allergy and Infectious Diseases (NIAID) invites multi-project applications to be part of a network of synergistic research teams focused on the immunological parameters of virus infection and vaccination that are important for understanding the key molecular and cellular immune mechanisms involved in the natural control of infection, the induction of protective immunity by vaccination, or the immune-mediated processes that cause pathology after virus infection or vaccination. Studies involving multiple viruses are encouraged to foster discovery of novel immune mechanisms and generalizable principles of anti-viral immunity. Viruses of interest are listed at NIAID Emerging & Re-emerging Infectious Diseases (www.niaid.nih.gov/topics/emerging/Pages/list.aspx). The ultimate goal of this program is to discover and define novel basic immune mechanisms for controlling virus infections that will lead to new potential targets for developing future vaccines and therapeutics. *Deadlines: Letter of intent: March 15, 2014; submission: April 16,*

2014.

Roybal Centers for Translational Research on Aging (P30): This announcement solicits Edward R. Roybal Centers for Translation Research in the Behavioral and Social Sciences of Aging. Center resources are intended for the development and piloting of new and innovative ideas for early stage as well as late stage translation of basic behavioral and social research findings about established or hypothesized mechanisms of action, at the individual or population level, into programs and practices that will improve the lives of older people and the capacity of institutions to adapt to societal aging. *Deadlines: Letter of intent: December 22, 2013; submission: January 22, 2014.*

NATIONAL SCIENCE FOUNDATION

Mentoring Through Critical Transition Points in the Mathematical Sciences (MCTP)

(MCTP): MCTP awards are intended to support training programs that have strong potential to increase the number of well-prepared U.S. citizens, nationals, and permanent residents who pursue careers in the mathematical sciences and in other NSF-supported disciplines. It should be kept in mind that MCTP grants are for training and not the support of PI research activities. The MCTP program provides funds to develop a system of mentoring devoted to points of transition in a mathematical sciences career path that are critical for success, from undergraduate studies to the early years in a tenure track position. MCTP emphasizes department-wide activities aimed at specific stages in the education of trainees. The goal is to encourage the participation of research-oriented mathematical scientists in the nurturing of students and those new to research as they change the intensity of their involvement in the mathematical sciences. The range of activities can vary from preparing postdocs for an academic or industrial career to preparing talented high school students so they can begin serious study in the mathematical sciences at a university. *Deadline is June 03, 2014.*

Emerging Frontiers in Research and Innovation 2014: Two-Dimensional Atomic-Layer Research and Engineering (2-DARE)

(2-DARE): The rapid and recent advances in graphene, a single sheet of carbon atoms arranged in a two-dimensional (2D) honeycomb crystal lattice, have raised tantalizing questions for other examples of 2D materials which might have distinct and useful properties. Such possibilities have opened our eyes to an entire world of 2D crystals. The rich variety of properties that 2D layered material systems offer can potentially be engineered on-demand, and they create exciting prospects for device and technological applications such as in electronics, sensing, photonics, flexible electronics, energy harvesting and storage, thermal management, mechanical structures, catalysis, bio-engineering, and gas adsorption in the future. Although the idea of separating individual layers from 2D layered solids is straightforward, the challenges for obtaining large single crystal domains, for chemical modification, for characterization and modeling of such materials, for transfer of these layers onto appropriate substrates, for manipulating these, and for fabricating devices and optimizing their characteristics are significant. Also, this solicitation will contribute to the goals of the National Nanotechnology Initiative. *Deadlines: letter of intent due September 18, 2013; preliminary proposal due October 25, 2013; final submission Feb. 10, 2014.*

Discovery Research K-12 (DRK-12): Projects in the DRK-12 program build on fundamental research in STEM education and prior research and development efforts that provide theoretical and empirical justification for proposed projects. Teachers and students who participate in DRK-12 studies are expected to enhance their understanding and use of STEM content, practices and skills. DRK-12 invites proposals that address immediate challenges that are facing preK-12 STEM education as well as those that anticipate radically different structures and functions of pre-K 12 teaching and learning. The DRK-12 program has four major research

and development strands: (1) Assessment; (2) Learning; (3) Teaching; and (4) Implementation Research. The program recognizes that there is some overlap among the strands. Proposals may address more than one strand. The program supports three types of projects: (1) Exploratory, (2) Full Design and Development, and (3) Conferences, Workshops, and Syntheses. *Deadlines: December 6, 2013 & October 16, 2014.*

Cyber-Physical Systems (CPS): Cyber-physical systems are engineered systems that are built from, and depend upon, the synergy of computational and physical components. Examples of the many CPS application areas include the smart electric grid, smart transportation, smart buildings, smart medical technologies, next-generation air traffic management, and advanced manufacturing. CPS will transform the way people interact with engineered systems, just as the Internet transformed the way people interact with information. Traditional analysis tools are unable to cope with the full complexity of CPS or adequately predict system behavior. The present electric power grid experiences blackouts over large regions, tripped by minor events that escalate with surprising speed into widespread power failures. This illustrates the limitations of the current science and technology, which do not enable us to conceptualize and design for the deep interdependencies among engineered systems and the natural world. At the same time, pressure to develop technologies such as renewable energy, wireless health, advanced manufacturing, and smart materials, creates an unprecedented opportunity to rethink many systems. *Deadline: January 29, 2014.*

CISE Research Infrastructure (CRI): With its CRI program, CISE drives discovery and learning in the core CISE disciplines covered by the three participating CISE divisions through support for the creation and enhancement of world-class computing research infrastructure. Further, through the CRI program CISE seeks to ensure that individuals from a diverse range of academic institutions, including minority-serving and predominantly undergraduate institutions, have access to such infrastructure. Examples of research infrastructure of interest to the program include, but are not limited to: systems of security and monitoring devices, linguistically annotated electronic language and vision corpora, spectrum and protocol analyzers, system test-beds, suites of robots, clusters of graphic processing units, software libraries and tools, networks of wireless and mobile devices, programmable network components, motion capture systems, Field Programmable Gate Array (FPGA)-based systems, data clusters, integrated systems of sensors, data repositories and visualization capabilities. These computing infrastructure resources (and others not listed here) are expected to enable unique and compelling research opportunities otherwise inaccessible to the core CISE research community. *Deadlines: November 4, 2013 & October 7, 2014.*

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

IDENTIFYING FUNDING OPPORTUNITIES

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

Community of Science (COS): COS is a primary on-line search tool for identifying

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

National Institutes of Health (NIH) "NIH Guide": To take advantage of this search tool, register at <http://grants.nih.gov/grants/guide/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.

The Special Handling list was created in order to communicate donor restrictions and/or preferences for managing solicitation requests from Indiana University. The list reflects special relationships that exist between donors and the university and includes corporations and foundations that the President's office wishes to review prior to submission in order to coordinate Indiana University's requests to these donors.

The Special Handling List was compiled and is maintained by the Indiana University Foundation office of Corporate and Foundation Relations. Please contact [Dee Metaj](#) at 317-278-5644 if you have any questions regarding this list.

IU Authentication is required to view the following attachments:

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

Office of the Vice Chancellor for Research - ovcr@iupui.edu
Indiana University Purdue University Indianapolis
755 West Michigan Street, UL1140, Indianapolis, IN 46202-2896
Phone: (317) 278-8427

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