

July 13, 2011

INSIDE THIS ISSUE:

- [Announcements](#)
- [Faculty Spotlight](#)
- [OVCR Internal Grant Deadlines](#)
- [OVCR Workshops and Events](#)
- [Other Workshops and Events](#)
- [Current External Funding Opportunities](#)
- [Identifying Funding Opportunities](#)

ANNOUNCEMENTS

Faculty Awarded Prestigious International Award for Alcoholism Research

Dr. Stephen L. Boehm, an associate professor of psychology in the School of Science, was recently named the 2011 Young Scientist of the Year by the International Behavioral and Neural Genetics Society (IBANGS). The award was presented to him May 13 at the society's annual meeting.

Dr. Boehm's research looks at the impact binge alcohol consumption has on the gamma-aminobutyric acid (GABA) neural circuits in the brain and normal brain function. GABA is an important neurotransmitter that inhibits mental activity. Using Mice, Dr. Boehm is specifically investigating how the sensitivity of GABA receptors to alcohol influences reaction to alcohol. He is also studying GABA receptor changes that occur over repeated binge drinking episodes. He hopes that by understanding exactly how GABA interacts and changes with repeated alcohol consumption therapeutic strategies that target GABA receptors can be developed to more effectively treat alcohol abuse and dependence in humans.



Stephen L. Boehm, Ph.D.
Department of Psychology
School of Science

At the IBANGS meeting in Rome, Boehm offered details related to a part of his study that focuses on alcoholic consumption by female mice. Initial findings indicate that hormonal status appears to modify the role of GABA receptors in binge alcohol consumption. Brain response to alcohol may vary in females depending on when in the month it is consumed. School of Science doctoral candidate Laverne Melón conducted many of the experiments related to this work. Two other School of Science students, doctoral candidates Eileen Moore and David Linsenhardt, accompanied Boehm to Rome and presented findings on their research in the Boehm lab. Moore's work focuses on the influence of genetics on adolescent alcohol sensitivity and how it differs from adult sensitivity in mice. Linsenhardt is studying the role of genetic factors in the behavior and brain adaptation to repeated alcohol exposure in mice.

For more information about the work of Dr. Boehm and his team, visit <http://science.iupui.edu/user/542>.

FACULTY SPOTLIGHT

IUPUI Faculty Member Receives National Innovative Vision Research Award

Jason S. Meyer, Ph.D., assistant professor of biology in the School of Science at Indiana University-Purdue University Indianapolis, was honored by the largest eye and vision research organization in the world for work which one day may lead to reversal of blindness caused by macular degeneration, retinitis pigmentosa and other diseases of the retina.

The Association for Research in Vision and Ophthalmology (ARVO) presented Meyer with a 2011 ARVO-AFER/Merck Innovative Ophthalmology Research Award at the organization's annual meeting in



Jason Meyer, Ph.D.
Department of Biology
School of Science

Fort Lauderdale, Fla., on May 1.

Meyer was recognized for a study he published in the Proceedings of the National Academy of Sciences (PNAS) in 2009. The paper, "Modeling Early Retinal Development with Human Embryonic and Induced Pluripotent Stem Cells" provides an important step toward the potential repair of damaged retinas by cells grown from a patient's own skin.

"In the PNAS study, we were able to produce significant numbers of photoreceptor cells and other retinal cell types which are lost in many blinding disorders. Our work could serve as a foundation for unlocking the mechanisms that produce human retinal cells," said Meyer, who codirected the study when he previously worked at the University of Wisconsin.

A developmental biologist, he continues this promising line of research in his laboratory at the School of Science at IUPUI utilizing the recently (2007) developed and not yet common technology of induced pluripotent stem (iPS) cells.

"Since iPS cells can be derived from patients with a specific known disease, these cells could help us study neurological disorders like those of the retina, the auditory system and other parts of the body, in novel ways at both the cellular and subcellular levels, bringing us closer to therapeutic approaches," said Meyer.

Now that he and colleagues have reprogrammed skin cells into stem cells that can become any cell type of the body, and then triggered the development of retinal cell types, Meyer believes that clinical trials and eventually treatment of retinal diseases with iPS cells is only a matter of time. Since they can be derived from the specific patient who needs them, use of iPS cells avoids the problem of transplant rejection.

Human iPS cells can be obtained from a single paper punch-hole size slice of easily accessible skin requiring only one or two stitches following the removal procedure. Meyer will receive a \$10,000 grant as the second prize recipient in the stem cell applications to eye disease category. The awards, open to researchers aged 45 years or younger who hold a doctoral degree, are presented biennially. This is only the second year in which an American has received the award.

<http://science.iupui.edu/news/researchers-report-progress-using-ips-cells-reverse-blindness>

OVCR INTERNAL GRANT DEADLINES

RESEARCH SUPPORT FUNDS GRANT (RSFG): The Research Support Funds Grant (RSFG) program is designed to enhance the research mission of IUPUI by supporting research projects and scholarly activities that are sustainable through external funding. The next RSFG application deadline is October 15, 2011. 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 has strong potential to generate indirect cost recovery from extramural sources. The next IDF application deadline is November 15, 2011. For grant guidelines and application forms, go to <http://research.iupui.edu/funding/>.

OVCR WORKSHOPS AND EVENTS

Research Orientation

When: Friday, August 26, 2011 | 1:00 PM-3:00 PM
Where: University Library, Room 1126

This session will provide an overview of research resources, services and support offered to IUPUI faculty by the Office of the Vice Chancellor for Research. Participants will also meet with some current IUPUI faculty members to hear how they were able to achieve success in the early stages of their tenure at IUPUI.

Register: <http://crl.iupui.edu/Events/eventsRegistration.asp?id=2519>

Research Orientation (Repeat of 8/26 session)

When: Tuesday, August 30, 2011 | 10:00 AM-12:00 PM
Where: University Library, Room 1126

This session will provide an overview of research resources, services and support offered to IUPUI faculty by the Office of the Vice Chancellor for Research. Participants will also meet with some current IUPUI faculty members to hear how they were able to achieve success in the early stages of their tenure at IUPUI.

Register: <http://crl.iupui.edu/Events/eventsRegistration.asp?id=2520>

Introduction to Fall OVCR Grant Programs

When: Wednesday, September 7, 2011 | 1:00 PM-3:00 PM
Where: University Library, Room 1126

This session will provide participants with an overview of fall Office of the Vice Chancellor for Research (OVCR) internal grant opportunities for IUPUI faculty and will include information on upcoming deadlines, how to apply, the review process, post award requirements and how best to use the internal funding to leverage extramural support.

Register: <http://crl.iupui.edu/Events/eventsRegistration.asp?id=2521>

Finding Funding

When: Thursday, September 15, 2011 | 2:00 PM-3:30 PM
Where: University Library, Room 0106

This session will provide an overview of the various types of external funding sources, identify tools to locate funding opportunities, explain how to design a funding search, and demonstrate various knowledge management systems that contain thousands of funding opportunities available by the university subscription.

Register: <http://crl.iupui.edu/Events/eventsRegistration.asp?id=2522>

Community of Science

When: Wednesday, September 21, 2011 | 10:00 AM-11:30 AM
Where: University Library, Room 0106

Indiana University is a member of the Community of Science (COS). Whether your work is in the arts or the sciences, COS funding and expertise search tools and services can help support and advance your research and scholarly activity. Learn how to take full advantage of these services and help our institution promote its work. This event is a hands-on open lab session.

Register: <http://crl.iupui.edu/Events/eventsRegistration.asp?id=2523>

Nine Golden Rules

When: Friday, September 23, 2011 | 12:00 PM-2:00 PM
Where: University Library, Room 1126

This session will reveal the Nine Golden Rules on how to succeed in research and scholarship.

Register: <http://crl.iupui.edu/Events/eventsRegistration.asp?id=2523>

Indiana Nonprofit Capacity Building Conference

When: Wednesday, September 28, 2011 | 8:00 AM-4:15 PM

Where: Campus Center, Room 450

The Indiana Nonprofit Capacity Building Conference is the state's premier nonprofit and community leadership conference. During the annual, one-day conference, nonprofit and community leaders will network, share best practices, and learn from experts and peers. The **Indiana Achievement Awards** ceremony is the crowning event of the conference, bringing nonprofit, business, and foundation leaders together to recognize, celebrate and reward outstanding nonprofits and nonprofit leaders. The luncheon Keynote Speaker and IAA emcee, Tarik Glenn, Co-Founder of D.R.E.A.M. Alive and retired Indianapolis Colts Offensive Lineman, will share his thoughts on Giving Back to our Community: Why We Do What We Do.

Register: <http://www.savi.org/savi/conference/>

OTHER WORKSHOPS AND EVENTS

Indiana Health Industry Forum Life Science Lunch

This series feature a variety of topics of relevance to the health science business community. Please follow the [Event Link](#) for details on this month's program and to register.

Using Social Media to Grow a Health Science Business

When: Tuesday, July 19, 2011 | 11:00 AM-1:00 PM

Where: Barnes & Thornburg LLP - 11 S. Meridian Street

Fee: \$10 Luncheon Fee

Many small companies shy away from social media for fear of the time commitment, sharing too much information, or lack of a coherent marketing plan but integrating a social media strategy into your business plan is a key part of current business success. Please join us for a panel discussion focused on the do's and don'ts of social media for small businesses where we will explore practical applications and uses for these tools.

Register: <http://www.ihif.org/pages/lifescience>

Indiana Biomedical Entrepreneur Network (IBEN)

Interested in how to start and run a life sciences company in today's economy? Want to meet others around Indianapolis who are interested in the same? Curious how to leverage universities to accelerate a startup?

This special IBEN event has no group presentation; it is focused solely on personal conversations between experts, peers, and everyone interested in the creation of new life science companies. We will give you a chance to speak with scientists, doctors, entrepreneurs, lawyers, regulatory specialists, university representatives and even a few IT experts curious about healthcare.

This is a great opportunity to get your questions answered, meet new people, and explore the possibilities!

When: August 9, 2011 | 5:00 PM – 7:00 PM

Where: IU Emerging Technologies Center, 351 West 10th St.

RSVP: <https://www.formstack.com/forms/?998004-5CIIxUOPrZ>

IBEN strives to enable entrepreneurship in life sciences and medicine throughout Indiana. This is achieved through social networking, education and events featuring experienced entrepreneurs. The Network is open to all who play a role or have an interest in biomedical entrepreneurship, from academics to product.

ACS Webinars: Chemical Entrepreneurship Series

Dare to dream! Many people dream of starting their own businesses, or being a part of the exciting start-up culture. But do you know what it takes to succeed? A successful business, large or small, takes careful and

strategic planning, knowledge of the industry, financial resources, fiscal know-how, legal savvy, and guts. On the third Thursday of the month, learn the A-to-Z of being an entrepreneur, finding the right resources, and the challenges/rewards of start-ups. Are you ready?

August 18, 2011 - "*The Science of Selling: Selling Science to Non-Scientists.*"

September 15, 2011 - "*Writing a Winning Executive Summary and Business Plan.*"

October 20, 2011 - "*The Art in Startups: Getting Funded*"

Register: <http://acswebinars.org/chemicalentrepreneurship>

CURRENT EXTERNAL FUNDING OPPORTUNITIES

Funding opportunities in this section include selected current grant announcements from federal agencies for new initiatives and changes to existing programs. Announcements with limited scope are not listed here but are, instead, sent directly to IUPUI School Deans. For comprehensive coverage of funding opportunities please use the on-line search tools listed below.

NATIONAL ENDOWMENT FOR THE HUMANITIES

Bridging Cultures Implementation Grants

To help Americans better understand our own rich cultural heritage, while enhancing public knowledge of and respect for others both here and abroad, NEH has launched the Bridging Cultures initiative. The initiative encourages projects that explore the ways in which cultures from around the globe, as well as the myriad subcultures within America's borders, have influenced American society. With the aim of revitalizing intellectual and civic life through the humanities, NEH welcomes projects that expand both scholarly and public discussion of diverse countries, peoples, and cultural and intellectual traditions worldwide. As part of its Bridging Cultures initiative, NEH welcomes proposals to implement a national or regional program for broad and diverse public audiences on one of two humanities themes: "Civility and Democracy" or "The Muslim World and the Humanities." *Application deadline is August 2, 2011.*

NATIONAL INSTITUTES OF HEALTH

NIH National Center for Research Resources High-End Instrumentation Grant: The NCRR High-End Instrumentation Grant (HEI) program encourages applications from groups of NIH-supported investigators to purchase a single major item of equipment to be used for biomedical research that costs at least \$750,000. The maximum award is \$2,000,000. Instruments in this category include, but are not limited to, structural and functional imaging systems, macromolecular NMR spectrometers, high-resolution mass spectrometers, cryoelectron microscopes and supercomputers. *Application deadline is September 19, 2011.*

NATIONAL SCIENCE FOUNDATION

Perception, Action and Cognition: Supports research on perception, action and cognition including the development of these capacities. *Application deadline is August 1, 2011.*

Research in Engineering Education: The focus is on increasing our understanding of how engineering students learn and the capacity that supports such discovery; understanding how to increase the diffusion and impact of engineering education research; understanding engineering education in broader, organizing frameworks such as innovation, globalization, complex engineered systems, or sustainability and diversifying pathways to and through engineering degree programs. *Application deadline is August 22, 2011.*

IDENTIFYING FUNDING OPPORTUNITIES

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

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

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

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

National Science Foundation (NSF) "MyNSF": To take advantage of this search tool, register at http://service.govdelivery.com/service/multi_subscribe.html?code=USNSF&custom_id=823. It allows you to receive discipline specific funding opportunities that are delivered to you weekly via email.

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

Limited Submission Funding Opportunities:

Many federal agencies and foundations offer grants, awards and fellowships that limit the number of applications that can come from one institution or require special handling. In order to comply with agency and foundation guidelines and increase the chances of Indiana University (IU) succeeding in such limited submissions and special handling opportunities, IU policies and procedures are in place and are utilized by the Office of the Vice Chancellor for Research and other IU research offices to facilitate internal coordination and competitions.

Individuals interested in responding to limited submission opportunities must inform the Office of the Vice Chancellor for Research about their intent to apply to a given limited submission opportunity, such that they can be included in the internal review and selection process. Failure to do so may disqualify individuals from consideration for submission to the funding opportunity.

Individuals interested in a limited submission opportunity or have any questions about the internal coordination process, contact Etta Ward at emward@iupui.edu or 317-278-8427. For a description of upcoming limited submission funding opportunities, as well as guidelines and application forms, go to: http://research.iu.edu/limited_sub.shtml. Please note that this is not a comprehensive list, and that any external funding opportunity that imposes any type of submission limitation is subject to the IU limited submission policy and procedures.

Special Handling: The Special Handling list was created in order to communicate donor restrictions and/or preferences for managing solicitation requests from Indiana University. The list reflects special relationships that exist between donors and the university and includes corporations and foundations that the President's office wishes to review prior to submission in order to coordinate Indiana University's requests to these donors. The Special Handling List was compiled and is maintained by the Indiana University Foundation office of Corporate and Foundation Relations. Questions regarding this list can be directed to Bobbi Bosch at 317-278-5648 or bsbosch@indiana.edu.

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

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

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