

IU School of Medicine SCOPE

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Stimulus grants boost IUSM research

IUSM scientists have received more than \$12 million in grants funded by the federal economic stimulus legislation, funding that has bolstered both research initiatives and research employment on the medical center campus.

More than 40 researchers have received American Recovery and Reinvestment Act awards ranging from a \$1.4 million National Science Foundation grant supporting innovative research on proteins to smaller awards enabling investigators to hire lab assistants for summer jobs.

Approximately 75 research-related jobs have been created or saved on the IUPUI campus as a result of the grants to School of Medicine scientists. Other than the National Science Foundation award, all of the grants are from the National Institutes of Health.

For more information on IUSM's funding, see

www.medicine.indiana.edu/news_releases/viewRelease.php4?art=1142. To learn more about stimulus package funding to IU, see www.stimulus.iu.edu.

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CTSI Young Investigator Training Awards

The Indiana Clinical and Translational Sciences Institute (CTSI) announced its 2009-2010 Young Investigator Training Awards recipients earlier this summer. CTSI is able to fund 9 Young Investigator Awards (5 renewals and 4 new two-year awards). Together (Predoctoral and Young Investigator), these awards total more than \$1.2 million to develop young scientists at the participating universities.

The 2009 Young Investigator Award recipients are:

- Brian Decker, MD (new), assistant clinical professor of medicine, who is investigating the CYP450-mediated metabolism of medications in patients with kidney disease.
- Melissa Carpentier, PhD (renew), assistant professor of pediatrics, whose research focuses on the development of community based interventions to improve quality of life outcomes among adolescent and young adult cancer survivors.
- Craig Erickson, MD, MS (renew), assistant professor of psychiatry, whose research is focused on the neurobiology and treatment of fragile X syndrome, a common variant of autism-spectrum disorders.
- Jacob Kean, PhD (new), assistant professor of speech and hearing sciences, who is conducting rehabilitation and translational research in patients with brain injury.
- John Lopshire, MD, PhD (renew), assistant professor of medicine, who is studying the mechanisms by which chronic spinal cord stimulation may be useful in treating heart failure, translating his findings from canine models into human studies.
- Barrack Pressler, DVM, PhD (new), assistant professor of veterinary medicine, whose research is focused on studying immunologic disorders in renal disease.
- Sheri Robb, PhD (new), associate scientist, IU School of Nursing, who is developing and testing music-based interventions to diminish symptom distress and improve quality of life in children with cancer.
- Rachel Vreeman, MD, MS (renew), assistant professor of pediatrics, whose research focuses on improving pediatric adherence to antiretroviral therapy, including studies in Kenya.
- Martin Were, MD, MS (renew), assistant professor of medicine, whose medical informatics research is focused on interventions to improve the management of pending laboratory tests at hospital discharge.

All awardees have dual mentorship from a clinician and a non-clinician PhD scientist and are focused on translational research that will accelerate the application of laboratory findings to improved understanding and care of human disease, and from clinical studies to patients and populations in the community. The CTSI began in the summer of 2008 with an award from the National Institutes of Health. The initiative combines

the resources of Indiana University (Bloomington and IUPUI), Purdue University, and Notre Dame, as well as business and government within the state.

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And the Scientific Poster Session winners are...

The 2009 annual IUSM and Clinical and Translational Sciences Institute Scientific Poster Session was Wednesday, Sept. 16. For the first time posters were judged and prizes were awarded, with first place winners receiving cash prizes of \$1,000. The winners and their poster topics were:

Basic Science Category

- First place (tie, \$500 to each winner) – Eunjin Oh: “Syntaxin 4 Transgenic Mice Exhibit Enhanced Longevity,” and Raja Settivari: Pharmacogenetic and Biochemical Analysis of Parkinson's Disease-, Manganism-, And Dopamine Neuron Associated Proteins in C Elegans: Effects on Mitochondrial Function and Dopamine Neuron Vulnerability”
- Second place – Sheng Zhang: “Acquisition of a Potent and Selective TC-PTP Inhibitor Via a Stepwise Fluorophore-Tagged Combinatorial Synthesis and Screening Strategy”
- Third place – Sanjay Kumar: “The Role of TRPC Channels in the Growth of Neurite Processes in a Neuronal Model”

Clinical Category

- First place – Stephanie Colvin: “Animal Models of Pediatric Combined Pituitary Hormone Deficiency Diseases”
- Second place – Vegas Coleman: “Sleeplessness Subphenotype of Bipolar I Disorder Heralds More Severe Course of Illness and GWAS Data Suggests Three Associated Gene Variants”
- Third place – Jessica Brown: “Risk of Coronary Heart Disease Among Elderly Adults with Depressive Symptoms: A 15-year Prospective Study”

Student Category

- First place – Vincent Tagliabracchi: “Glycogen Phosphorylation and Lafora Disease”
- Second place – Jenna Jewell: “Identification of an Insulin-Stimulated Munc18c Tyrosine Kinase in 3T3L1 Adipocytes and Primary Skeletal Muscle”
- Third place – Zachary Neeb: “Store-Operated Ca²⁺ Influx in Coronary Smooth Muscle Cells Predicts Coronary Atherosclerosis in the Metabolic Syndrome”

High school student Scott Maitland of Southport High School in Indianapolis was awarded a first place in the high school category and a cash prize of \$100 for “The Grease You Eat: Mass Spectrometric Analysis of the Lipid Content in Food.”

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A celebration of art and science at IUSM

Thank you to all participants and attendees of the 2009 Scientific Poster Session. We were delighted at the number of individuals who attended to take in the many research posters that were presented. Everyone in attendance made this event a success, and we hope that this will encourage collaboration between IUSM faculty members on an interdisciplinary basis.

A special thanks goes to Sasha Obukhov, PhD, and his team who worked tirelessly to make the event occur. In an effort to make this a more significant event in our annual scientific calendar the office of Dr. David Wilkes, the executive associate dean for research, has accepted the charge to coordinate and plan all future poster sessions for this event.

The IUSM Art Exhibition for faculty, staff and students synchronized nicely with the Scientific Poster Session. A special thanks to Kim Harper and her team for their hard work in making the event a reality. It was wonderful to see the exceptional creativity and talent of the members of the IUSM community. This event was a great success, and we look forward to sharing the work with the greater IUPUI community when it is exhibited at the IUPUI Campus Center art gallery in November.

It is interesting to note that both events took place in full view of a crop of potential medical students who were in the building for their interviews-we should take pride in the fact that they got to see our school engaging in such diverse events.

Jeffrey M. Rothenberg, MD, MS
President of the IUSM Faculty

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Faculty ASR survey due Sept. 21

The 2009 Faculty Annual Summary Report is now available. All regular faculty members who were active during the past academic year (2008-2009) have been requested to complete this survey. Deadline for ASR submissions is Monday, Sept. 21.

If you are involved in the instruction or presentation of Continuing Medical Education (CME - Question #4) or undergraduate courses (Instruction -Question #1) all course related activities will need to be entered as this data has not been provided by a central source.

Please do not forget to complete the "School of Medicine Faculty Offices, and Standing Committees Nominations" questionnaire at the bottom of the report.

The web search application for last year's research interest question may be found at <https://apps.iusm.iu.edu/IUSMDecisionSupport/search/search.aspx>.

The survey is available at <https://apps.iusm.iu.edu/asr>. Contact the office of Decision Support at 278-1968, or e-mail finaff@iupui.edu, if you have problems or questions.

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Health Services offers seasonal flu shots

IUPUI Health Services now is providing seasonal flu shots. These flu shots are free for IUPUI faculty and staff. There are a limited number (1,750) of free flu shots for students. If that supply is exhausted, students may be charged \$20 for a flu shot.

For up-to-date information about the campus seasonal flu clinics, refer to health.iupui.edu. For information regarding the seasonal and H1N1 flu virus see www.iupui.edu/~prepared/h1n1/.

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Power, negotiation and women – Sept. 21

Sara Laschever will present “Ask For It: Negotiation Training for Women” from 9 a.m. to 12:30 p.m. and with an encore presentation from 1:30 to 5 p.m. on Monday, Sept. 21, in the IUPUI Campus Center, room 450 B. The presentation is sponsored by the IUSM Office of Faculty Affairs and Professional Development and the Women’s Advisory Council.

Laschever is a fellow of the Center for Work-Life Policy and the co-author, with Linda Babcock, of *Ask For It: How Women Can Use the Power of Negotiation To Get What They Really Want* and *Women Don’t Ask: The High Cost of Avoiding Negotiation and Positive Strategies for Change*.

To register, see <https://faculty.medicine.iu.edu/events.asp>. Questions? Contact sarareed@iupui.edu.

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AOA election meeting

The Alpha Omega Alpha Honor Medical Society annual fall election meeting will be at 4 p.m. Tuesday, Sept. 22, in the Ruth Lilly Learning Center Auditorium at the Riley Outpatient Center.

Email rfpatter@iupui.edu or call 278-6302 for more information.

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Health and Rehab Sciences open houses

An information session to learn more about the doctorate program in Health and Rehabilitation Sciences offered by the IU School of Health and Rehabilitation Sciences will be held on Wednesday, Sept. 23, from 2 to 3 p.m. in IUPUI Campus Center, room 264. The session will be presented by Joyce Mac Kinnon, program director. For more information on the session or degree email jmackinn@iupui.edu or visit our website at www.shrs.iupui.edu/health_sciences.

An information session to learn more about the master of science in occupational therapy offered by the IU School of Health and Rehabilitation Sciences will be held on Friday, Oct. 2, from 12:30 to 5 p.m. in the Ruth

Lilly Learning Center Auditorium at the Riley Hospital Outpatient Center. To RSVP, contact Renee Akins at reakins@iupui.edu by **Friday, Sept. 28**.

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Cutting Edge Lecture

The community is invited to attend the IUPUI Cutting Edge Lecture Series. The series of outstanding lectures is designed to promote thinking and discussion across disciplinary boundaries, which by title and content encourages attendance and interactions among faculty, staff and students from across the campus as well as people in the community.

The next lecture in the series is “Can We Rescue Civic Literacy?” presented by Sheila Kennedy, from the School of Public and Environmental Affairs. It will be Wednesday Sept. 23 at 4:30 p.m. in the Lilly Auditorium University Library.

See: www.iupui.edu/administration/acad_affairs/celsfall09.html

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National health policy expert to speak at Emergency Medicine Grand Rounds

The Department of Emergency Medicine will host Grand Rounds guest speaker Art Kellermann, MD, MPH, who is a nationally recognized expert on health policy and is the associate dean of health policy at Emory University. He completed a mid-career Robert Wood Johnson Health Policy Fellowship where he joined the professional staff of the U.S. House of Representatives Committee on Oversight and Government Reform.

His presentation, “Health Policy Implications in Emergency Medicine,” will be from 7 to 9 a.m. Wednesday, Sept. 23, in the Riley Outpatient Center auditorium. (Note location change: The lecture originally was to be held in the VanNuys Medical Sciences Building.)

For more information, contact Jennifer Walthall, MD, at jdhewlet@iupui.edu.

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Faculty, staff appreciation breakfast

Full-time faculty and staff are invited to be the guests of Chancellor Charles Bantz at the IUPUI 40th Anniversary Faculty and Staff Appreciation Breakfast at 8:30 a.m. Wednesday, Sept. 23. Special recognition of Chancellor Emeritus Gerald Bepko is on the program.

Seating is limited so RSVP as soon as possible to Karen Lee, at 274-2215 or klee2@iupui.edu.

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National Postdoc Appreciation Day

The inaugural National Postdoc Appreciate Day will be observed from 9 to 10:30 a.m. Thursday, Sept. 24 from 9 to 10:30 a.m. in Walther Hall, second floor atrium.

Postdocs are welcome to join the fun, connect with postdocs from other labs and partake of coffee and donuts on National Postdoc Appreciation Day!

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Business of Medicine lunch presentation

The Business of Medicine Student Interest Group will host a lunch time presentation at noon, Friday, Sept. 25, in VanNuys Medical Science Building, room 326. "How We Compensate Physicians and Why it Matters" will be presented by IUSM Professor Richard Gunderman, MD, PhD. Lunch will be provided.

During these times of economic challenges, compensation for physicians seems to depend upon selected payment models, including fee for service, episodes of care, medical home and capitation and others. During this discussion, Dr. Gunderman will present an overview of some of the most important points concerning each model. A question and answer period will following the presentation.

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Author Elizabeth Gilbert to speak

Bestselling author Elizabeth Gilbert – best known for her book *Eat, Pray, Love* - will present her views on “Traveling the Road of Life” on Monday, Sept. 28, at the IUPUI Campus Center, room 450. Gilbert’s appearance is hosted by the Department of Tourism, Conventions and Event Management at IUPUI. She will speak at 7 p.m. and sign copies of her book after her presentation. The event is free and open to the public.

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Medical Humanities for September

The Tuesday, Sept. 29, Seminar in Medical Humanities will be entitled “A Brain Wider Than the Sky: A Migraine Diary” and will be presented by Andrew Levy, PhD, an English professor at Butler University, and author of new book on migraines. His presentation will be in IUPUI Campus Center, room 307, from noon to 1 p.m.

The event is presented by the Medical Humanities – Health Studies Program.

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Problem learner workshop scheduled

On Wednesday, Oct. 7, Jean Molleston, MD, will present the workshop “The Problem Learner” as part of the Office of Faculty Affairs and Professional Development’s Academy of Teaching Scholars. Dr. Molleston is professor of clinical pediatrics and section director of pediatrics gastroenterology. She also is the recipient of the 2003 IUSM Faculty Teaching Award.

Her presentation will be from 1:30 to 3 p.m in Fairbanks Hall, rooms 1109/1111. Registration for this workshop is encouraged at faculty.medicine.iu.edu. Questions may be referred to sarareed@iupui.edu

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Physicians needed for ASB: Honduras 2010

The Alternative Spring Break Honduras 2010 program is a week-long medical mission to the coastal town of Trujillo and nearby village of Rigores, where a team of IUSM physicians and students will provide primary care, present small public health seminars, and work hand in hand with local health care providers to administer excellent care to the people of Honduras.

As part of the inaugural trip last year, the group helped treat more than 1,000 patients with illnesses ranging from scabies to diabetes to hydrocephalus. Additionally, the group offered other services such as fluoride treatments and eyeglass fittings.

Plans are underway to expand the trip from last year, and physicians interested in taking part in the trip from March 6-13 are encouraged to contact one of the co-chairs. Physicians can expect to work alongside enthusiastic MSI and MSII students, educating future Hoosier doctors while also providing Honduran patients excellent care in the tradition of IUSM. No Spanish language skills are necessary. See www.medicine.iu.edu/asb.

Co-chair contact info: [Rowan Hurrell](#), [Jonathan Lin](#), [Adam McHenry](#)

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Directors for basic science research and clinical research sought

The IUSM Department of Ophthalmology seeks applicants for two positions.

Director of Basic Science Research for the new Eugene and Marilyn Glick Eye Institute: The Director of Basic Science Research will serve as a senior member of the department and be responsible for strategic planning and growth of a cohesive research team. Applicants should have an MD/Ph.D. or Ph.D. and be at the associate professor or professor level within their respective institutions. Applicants must have demonstrated excellence within their own research and have experience in leading a research team and have the qualities to lead the development of a larger research enterprise. This is a tenure track position with a competitive salary for the research and administrative responsibilities with fringe benefits. IUPUI is an equal opportunity institution M/F/D.

Clinical Research Director for the new Eugene and Marilyn Glick Eye Institute: The Clinical Research Director will serve as a senior member of the department and be responsible for strategic planning and

growth of a cohesive research team. Applicants should have an MD/Ph.D. or Ph.D. and be at the associate professor or professor level within their respective institutions. Applicants must have demonstrated excellence within their own research and have experience in leading a research team and have the qualities to lead the development of a larger research enterprise. This is a tenure track position with a competitive salary for the research and administrative responsibilities with fringe benefits. IUPUI is an equal opportunity institution M/F/D.

Interested applicants should forward their CV and a cover letter to:

Louis B. Cantor, MD
Chair and Professor, Eugene and Marilyn Glick Eye Institute
Indiana University Department of Ophthalmology
Department of Ophthalmology
702 Rotary Circle #140D
Indianapolis, IN 46202

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Medical student poetry competition

The Behavioral and Community Health Sciences Department of the Northeastern Ohio Universities Colleges of Medicine and Pharmacy is sponsoring its 28th annual William Carlos Williams Poetry writing competition during the 2009-2010 academic year. The competition is open to medical students attending schools of medicine or osteopathy in the United States and Canada.

Entries must be postmarked no later than **Thursday, Dec. 31**. For more information, see www.neoucom.edu/audience/about/departments/BCS/poetry.

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IUPUI Day of Caring

IUPUI Day of Caring is Friday, Oct. 2. All participants will be volunteering three hours with Keep Indianapolis Beautiful, painting murals, gardening and aiding in a large neighborhood clean-up. Free shirts and lunch for all participants. Sign up with your student group, school, department, or as an individual at www.life.iupui.edu/ccl/volunteer/doc.html.

Questions? Contact Maggie McFarlin at mmcfarli@iupui.edu or 274-2211.

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IU Geriatrics online

The IU Geriatrics e-news for July 2009 is available [online](#). The publication is a monthly newsletter from IU Geriatrics and the IU Center for Aging Research.

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Indiana Hospital Association H1N1 web site

The Indiana Hospital Association has a web page dedicated to H1N1 updates, resources, and key contact information. It includes a presentation that hospitals may use with staff or general audiences. See www.ihconnect.org/Issues/SwineFlu/default.aspx.

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Call for applications for RWJ scholars

The Robert Wood Johnson Foundation Health and Society Scholars program is calling for applications from postdoctoral scholars at all stages of their careers. The leadership program offers two years of support and the opportunity to collaborate with other researchers to, among other things, develop ways to improve health and health disparities. Scholars will receive an \$89,000 stipend in the first year and \$92,000 in the second year. The application deadline is **Friday, Oct. 2**.

For more information, see www.rwjf.org/applications/solicited/cfp.jsp?ID=20741.

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This week on *Sound Medicine*

Tune in at 2 p.m. Sunday, Sept. 20, or 8 p.m. Tuesday, Sept. 22, to *Sound Medicine*, the award-winning weekly radio program co-produced by IUSM and WFYI Public Radio (90.1FM) in Indianapolis. The program is hosted by Barb Lewis.

This week, *Sound Medicine* reporter Lorna Benson visits the Mayo Clinic in Minnesota and will discuss why it has become the model for the nation's health care reform debate. Jeff Korsmo, director of the Mayo Clinic Health Policy Center, will explain the model of reimbursing physicians for care provided not procedures performed.

Marilyn Bull, MD, professor of clinical pediatrics at IUSM, will explain how parents, schools and family doctors play a role in preventing bullying.

Karl Taro Greenfeld, journalist and author, will discuss his book, *Boy Alone*, about growing up with his autistic brother, Noah.

Richard Weindruch, PhD, professor of medicine at the Institute on Aging for the University of Wisconsin, will discuss his research which showed that rhesus monkeys fed a restricted calorie diet lived longer and with fewer illnesses.

In this week's *Sound Medicine* "Checkup," Jeremy Shere, PhD, will explore what killed Mozart who died suddenly at the age of 35.

Archived editions of *Sound Medicine* as well as other helpful information can be found at www.soundmedicine.iu.edu.

Sound Medicine is underwritten by Clarian Health, IU Medical Group and Indiana University-Purdue University Indianapolis. Primary care segments are underwritten by Wishard Health Services.

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