



Weekly news for faculty, staff and students from  
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## Top News

### Mock Site Visit 2 just six weeks away: Sept. 11-14

The second of three mock visits to prepare for the IU School of Medicine's April 2017 re-accreditation site visit will take place Sept. 11-14. Building on outcomes of the first mock visit in April and subsequent progress, this visit will focus on key areas for accreditation. The mock evaluators will facilitate discussion with participants about the school's current state and improvement work underway or planned.

Participants will be encouraged to come prepared to engage in discussion, and take advantage of this opportunity to validate ideas and plans, as well as look at opportunities for further improvements related to LCME requirements. The mock evaluators are three knowledgeable and experienced LCME surveyors with knowledge and insight of best practices observed at numerous medical schools across the country.

Watch your email in early August for specific information and instructions regarding Mock Site Visit 2. [Click here](#) to learn about previous site visits.

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**IU-based startup awarded \$1.47M NIH grant to study atrial fibrillation, nerve**

## activity

A life sciences company based on IU technology has received a two-year, \$1,472,476 grant from the National Institutes of Health to help researchers determine if nerve activity is associated with a common heart rhythm disorder.

Officials at Arrhythmotech LLC will use the STTR Phase II grant on new methods to study patients who are affected by atrial fibrillation. Atrial fibrillation causes the heart's upper chambers to contract irregularly instead of working together with the lower chambers.

The company is developing a device capable of detecting, on the skin, the nerve activity that is responsible for the body's fight-or-flight response. Its platform technology could potentially be widely used in the medical field.

Peng-Sheng Chen, M.D., co-founder of Arrhythmotech, said the grant will allow him and his colleagues to better establish the company's technology. Dr. Chen is also the Medtronic Zipes Professor of Cardiology, director of the Krannert Institute of Cardiology, and chief of the IUSM Division of Cardiology in the Department of Medicine.

"The grant will allow us to collaborate with investigators at the Mayo Clinic in Rochester, Minnesota, and at Cedars-Sinai Medical Center in Los Angeles," he said. "After the grant period has ended, Arrhythmotech will determine the next steps to make the method widely available to the medical community for research, education, and patient care."

For more, visit the [IUSM Newsroom](#).

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## CBRAIN designated an IUPUI Signature Center

The Center for Brain Rehabilitation, Advanced Imaging, and Neuroscience (CBRAIN) has received official designation as an IUPUI Signature Center. The Signature Centers Initiative fosters the development of research centers that are uniquely identifiable to IUPUI and lead the way in world-class research and creative activities that enhance IUPUI's reputation nationally and internationally. Each selected center receives initial funding for three years.

CBRAIN's mission is to develop and disseminate techniques and methodologies for combining advanced neuroimaging, neurogenetics, and other neurophysiological measures with precision behavioral measurement to evaluate novel rehabilitation interventions for people with acquired brain injury, said James Malec, Ph.D., senior research professor of physical medicine and rehabilitation.

Flora Hammond, M.D., chair of the Department of Physical Medicine and Rehabilitation is the center's director. Dr. Malec and Dawn Neumann, Ph.D., assistant professor of physical medicine and rehabilitation, are members of the center's executive steering committee.

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## IUSM departments create new infectious pathogens research group

Eight laboratories across four departments at the IU School of Medicine have created a new research group called Biology of Intracellular Pathogens (BIP). Intracellular pathogens are infectious pathogens that

replicate within human cells, making them difficult to eliminate with antibiotics.

The group, with total external funding of nearly \$23 million, focuses on such bacteria as chlamydia and coxiella, and protozoal pathogens such as plasmodium and toxoplasma.

"The IU School of Medicine is now one of the leading universities in the world with a focus on intracellular pathogens, which present formidable challenges to treatment since they live and reproduce inside of our own cells," said William Sullivan, Ph.D., professor of pharmacology and toxicology.

In addition to research, the group will focus on training the next generation of scientists in the field, Dr. Sullivan said.

Investigators comprising the Biology of Intracellular Pathogens group, in addition to Dr. Sullivan, are:

- Gustavo Arrizabalaga, Ph.D., associate professor of pharmacology and toxicology
- Wilbert Derbigny, Ph.D., assistant research professor of microbiology and immunology
- Stacey Gilk, Ph.D., assistant professor of microbiology and immunology
- Chandy John, M.D., Ryan White Professor of Pediatrics
- Steven Johnson, Ph.D., assistant professor of biochemistry and molecular biology
- David Nelson, Ph.D., associate professor of microbiology and immunology
- Tuan Tran, M.D., Ph.D., assistant professor of medicine

More information is available at the Biology of Intracellular Pathogens web site: <http://wjsulliv.wix.com/bipatiu>

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## Sunnylife Pharma receives NIH grant for HPV work; IUSM's Androphy a collaborator

Sunnylife Pharma Inc., a drug discovery company focused on small molecule therapeutics, has received a grant of about \$225,000 under the National Institutes of Health's Small Business Innovation Research program.

The company is collaborating with Elliot Androphy, M.D., chair of the Department of

Dermatology and Kampen-Norins Professor of Dermatology, whose research includes development of assays to identify human papillomavirus inhibitory compounds.

Sunnylife Pharma, located in Purdue Research Park in Indianapolis, will use the Phase I award funding to develop molecules to block the activity of a key HPV protein, preventing continued infection and the potential for development of cancer.

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## Future health care is winner when Big Ten rivals team up for C.A.M.P.

Rising high school students from eight states and one from the territory of Puerto Rico gathered this week to learn more about careers in medicine and health professions from the Indiana University School of Medicine — West Lafayette and Purdue's College of Health and Human Sciences. The event, Clinical Applications for Future Medical Professionals, was geared toward rising high school seniors who have an interest in medical careers. This was the inaugural year for C.A.M.P.

During the three-day event, students participated in 17 hands-on learning activities with more than 20 faculty members from the IU School of Medicine and Purdue. Among the most popular were skin suturing, dissecting a heart, and inserting an IV stick.

"When large universities work together on the educational front, we are all winners. We are pleased to be a part of this effort to develop the confidence and enthusiasm of campers as they learn more about health care professions," said Regina A. Kreisle, M.D., Ph.D., interim associate dean of the IU School of Medicine and interim director of the IU School of Medicine — West Lafayette.

To view a video of scenes from C.A.M.P., [click here](#).

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## Faculty and Staff News

### Five honored with named professorships

Named professorships were recently announced for the following IU School of Medicine faculty members:

**Homer L. Twigg III, M.D.**, was named the second holder of the Floyd and Reba Smith Chair in Pulmonary Disease effective July 15. In addition to his new title, Dr. Twigg will retain his current faculty title of professor of medicine.

**Kara K. Wools-Kaloustian, M.D.**, was named the second holder of the David H. Jacobs Chair in Infectious Diseases also effective July 15. In addition to her new title, Dr. Wools-Kaloustian will retain her current faculty title of professor of medicine.

**William J. Sullivan, Jr., Ph.D.**, was named the third holder of the Showalter Professorship in Pharmacology & Toxicology effective July 19. In addition to his new title, Dr. Sullivan will retain his current faculty titles of professor of pharmacology & toxicology and professor of microbiology & immunology.

**J. Dennis Fortenberry, M.D.**, will become the second holder of the Donald Orr, M.D., Chair in Adolescent Medicine effective Aug. 1. In addition to his new title, Dr. Fortenberry will retain his current faculty titles of professor of pediatrics and professor of medicine. He also holds an adjunct faculty appointment in the Fairbanks School of Public Health.

**Laura S. Haneline, M.D.**, will become the second holder of the Edwin L. Gresham Chair in Pediatrics effective Aug. 1. In addition to her new title, Dr. Haneline will retain her current faculty titles of professor of pediatrics, professor of microbiology & immunology, professor of medicine, and adjunct professor of cellular & integrative physiology.

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## Bonds is new director of IUSM health professions and pre-doctoral programs

Vicki L. Bonds, an experienced leader in undergraduate research programs at IUPUI, has been named the new director of health professions and pre-doctoral programs at the IU School of Medicine. She will oversee the school's Health Professions Program and the Master of Science in Medical Science program.

The appointment, announced by Marti Reeser, Ed.D., assistant dean of health professions and pre-doctoral programs, was effective July 1.

Bonds previously directed the undergraduate research programs in the Center for Research and Learning at IUPUI, overseeing the IU Simon Cancer Center Summer Research Program, the IUPUI Post-Baccalaureate Research Education Program, and Diversity Scholars Research Program. Her experience working with students also includes the Ronald E. McNair Post-Baccalaureate Achievement Program and the Bridges to Baccalaureate Research Program.

Before coming to IUPUI, Bonds worked for Ivy Tech, Vincennes University, and in the public schools. She is in the process of completing her doctorate in urban education from Indiana University. She has two master's degrees from IU, in counseling and counselor education and in higher education and student affairs. Bonds also was recently elected to the board of the directors of the American Association of Blacks in Higher Education.

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## Aug. 18 FEED lecture: Conveying messages with graphs

Although widely used in research to analyze and communicate data, graphs and charts are often poorly mastered by researchers. As part of the Faculty Enrichment and Education Development (FEED) series, Jean-luc Doumont, Ph.D., will present "Conveying Messages with Graphs" from 5:15 to 7 pm, Thursday, Aug. 18, in the Glick Eye Institute, Room 103. An engineer from the Louvain School of Engineering, Dr. Doumont, who earned his Ph.D. at Stanford University, trains doctors, scientists, and others in effective communication, pedagogy, statistical thinking, and related themes.

This lecture will provide attendees the skills needed to select the appropriate type of image for a given data set and research question, write a caption that is useful for the researcher and reader, and optimize a graph's layout to reveal a study's outcomes.

Dinner will be served at 5:15 pm, and the lecture will begin at 5:30 pm. For more information and to register, visit [faculty.medicine.iu.edu](http://faculty.medicine.iu.edu).

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## Student News

### Vater publishes research findings in JAMA

Former IUSM-South Bend student **Laura Vater**, an MS4 in Indianapolis, has published further findings on her research into cancer advertising in the Journal of the American Medical Association Internal Medicine. Her

research identifies that advertising spending has soared in the past 15 years. She also recently published "Partnership Building and Implementation of an Integrated Healthy-Aging Program" in *Progress in Community Health Partnerships*.

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## Fuhs presents at NIH Global Health Fellows Program Orientation

MS4 **Amy Fuhs**, IUSM – South Bend, who spent the past academic year on a research project in Peru, gave a presentation at the National Institutes of Health for the Global Health Fellows Program Orientation and Training called "An Assessment of Rehabilitation Infrastructure in Peru."

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## Research News

### New areas in human genome linked to increased risk of skin cancer

Jiali Han, Ph.D., the Rachel Cecile Efroymsen Professor in Cancer Research at IU School of Medicine, and professor and chair of the Department of Epidemiology at the IU Richard M. Fairbanks School of Public Health, and colleagues have identified new genomic regions that confer susceptibility to squamous cell skin cancer.

The findings were published online on July 18 in [Nature Communications](#).

Dr. Han, the study's co-senior and co-corresponding author and a researcher at the IU Simon Cancer Center, said the significance of the finding is that it provides new insights into the etiology of skin cancer. He and his colleagues identified four additional loci -- locations on a person's genome -- that had not been previously reported that are susceptible to the development of squamous cell skin cancer.

"This type of molecular and genetic epidemiological research provides a foundation for precision medicine," Dr. Han said. "Precision medicine is an emerging approach for disease treatment and prevention that takes into account individual variability in genes, environment, and lifestyle for each person."

He added: "Our findings may potentially provide a genetic testing tool for prevention and screening for a highly susceptible population."

For more details, visit the [IUSM Newsroom](#).

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### Researchers begin PET scans of certain older patients in new Alzheimer's-related study

In a new Alzheimer's disease-related initiative, IU School of Medicine researchers have begun using PET brain scans to look for signs of abnormal protein deposits known as amyloid plaques in older patients who have been diagnosed with mild cognitive problems.

The new project, part of a national research study that will enroll more than 18,000 participants, was made possible by Medicare's decision to reimburse for the amyloid PET brain scans in the study.

The Imaging Dementia -- Evidence for Amyloid Scanning Study, known as the IDEAS Study, will use amyloid PET brain scans to determine whether participants have abnormal deposits of amyloid proteins in the brain, which are closely associated with Alzheimer's disease. The IDEAS Study is led by the Alzheimer's Association and managed by the American College of Radiology and American College of Radiology Imaging Network.

The research goal of the IDEAS Study is to determine whether knowing that patients have the amyloid deposits will change physicians' treatment plans for those patients. Researchers will also gauge after 12 months whether this knowledge had an effect on hospitalizations and emergency room visits.

At least 200 participants will be enrolled at the IU School of Medicine and IU Health, said Liana Apostolova, M.D., Barbara and Peer Baekgaard Professor of Alzheimer's Disease Research and principal investigator for the research study at IU.

To learn more, visit the [IUSM Newsroom](#).

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## Study: Genomic-guided therapy leads to better outcomes for cancer patients

Cancer patients with advanced disease fared better when they received genomic-guided therapy, according to a study by Indiana University School of Medicine researchers.

Lead and senior authors Milan Radovich, Ph.D., assistant professor of surgery, Patrick Kiel, Pharm.D., adjunct assistant professor of medicine, Bryan Schneider, M.D., associate professor of medicine and the Vera Bradley Investigator in Oncology, and colleagues found that patients with metastatic cancer (cancer that had spread) that had not responded to other treatments had improved outcomes when they received therapy guided by genomics compared to those who did not.

The study was published online July 15 in [Oncotarget](#).

Visit the [IUSM Newsroom](#) for more information.

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## Opportunities

### Two clinical assistant professor positions open at IUSM – West Lafayette

IU School of Medicine – West Lafayette is seeking qualified applicants to fill two part-time clinical assistant professor of medicine positions. Successful applicants will become Purdue University non-tenure track faculty members. For details about the positions, including job descriptions, view these two PDFs --

[!\[\]\(e97636a3328cdaccd5ffd8fe3bc69ce6\_img.jpg\) clinical assistant professor of medicine \(0.75 CUL\)](#) and [!\[\]\(3f82b844cefbc87c556a1e8cfd420079\_img.jpg\) clinical assistant professor of medicine \(0.4 FTE\)](#).

With questions, email Dr. Regina A. Kreisle, interim associate dean director, IUSM – West Lafayette, at [rkreisle@purdue.edu](mailto:rkreisle@purdue.edu). Letters of interest, CVs, and references should also be sent to Dr. Kreisle. Positions are available beginning Aug. 1, 2016.

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## Workshop series for international faculty and scholars

Plan to attend “Get Published, Write Winning Proposals, and Produce Effective Presentations: A Workshop Series for International Faculty and Scholars” organized by internationally recognized applied linguist Dr. Ulla Connor.

Workshops include:

- **Academic Writing For Publication in English** (Friday, Sept. 16, 9 am to 4 pm, Room UL 1126, and Friday, Jan. 27, 9 am to 4 pm, Room TBD)
- **Scientific Grant Proposal Writing** (Friday, Sept. 30, 9 am to 4 pm, Room UL 1126, and Friday, Feb. 17, 9 am to 4 pm, Room TBD)
- **Communication Skills for Oral Presentations** (Friday, Oct. 21, 9 am to 4 pm, Room UL 0110, and Friday, March 10, 9 am to 4 pm, Room TBD)

All workshops are designed to assist international faculty, researchers, and graduate students improve their oral, written, and intercultural communication strategies and to provide engaging, hands on learning activities. For registration dates and more information, visit

<https://liberalarts.iupui.edu/icic/pages/workshops/>. With questions, contact Ulla Connor at 317-278-2441  or [uconnor@iupui.edu](mailto:uconnor@iupui.edu).

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## Partner News

### IU Center for Global Health’s AMPATH receives \$7 million gift from Ruth Lilly Philanthropic Foundation

The Ruth Lilly Philanthropic Foundation awarded \$7 million to strengthen program development and establish two endowed chairs at the IU Center for Global Health for its AMPATH initiative in Kenya. The purpose of the gift is to address health care disparities and advance global health research, education, and health care delivery to underserved populations.

AMPATH (Academic Model Providing Access to Healthcare) is the cornerstone of the IU Center for Global Health. Created in 2001 in response to the HIV crisis in western Kenya, AMPATH is built on a partnership between Moi Teaching and Referral Hospital and the Moi University School of Medicine in Eldoret, Kenya, and a consortium of North American academic health centers led by IU School of Medicine. Working with the Kenyan Ministry of Health, AMPATH aims to address the challenges of access to health care in resource-

limited communities. Serving a population of 4 million people in western Kenya, AMPATH aspires to restore patients' lives, not just their health.

The Director of the IU Center for Global Health, Robert Einterz, M.D., IUSM associate dean for global health and Donald E. Brown Professor of Global Health, said the Ruth Lilly Philanthropic Foundation's continuous support demonstrates its belief in AMPATH's mission to strengthen sustainable health care services in Kenya where access to health care is a daily challenge.

"This new commitment will help us to better serve Kenyan families and continue to expand our initiatives to address the critical needs for primary health care, chronic disease care, and specialty care for the entire population, leaving no one behind," he said.

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## IU Health Physicians names management committee chairs

IU Health Physicians has taken the next step in its progression toward a revised operating model that seeks to bring more physician influence and decision making into the organization's management. John Fitzgerald, M.D., president and CEO, IU Health Physicians, and IUSM executive associate dean for clinical affairs, has appointed individuals to chair four management committees:

**Finance Committee:** John Eble, M.D., chair, IUSM Department of Pathology & Laboratory and Nordschow Professor of Laboratory Medicine; and Judy Coleman  
**Practice-Based Operations and Standards Committee:** Lee McHenry, M.D., IUSM professor of medicine; and Brian Kremer

**Program Planning and Workforce Development Committee:** Michael Ober, M.D., associate professor of clinical medicine; and Brad Burbage

**Quality and Safety Committee:** Michael Busha, M.D., assistant professor of clinical family medicine; Michele Saysana, M.D., associate professor of clinical pediatrics; and Larry Stevens, M.D., assistant professor of clinical surgery.

These individuals are responsible for formulating charters and formally launching their respective committees. The co-chairs will build these committees from a list of more than 175 individuals who expressed a desire to serve on committees during the solicitation period last spring.

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## Riley Child Development Center receives LEND funding renewal

The Riley Child Development Center (RCDC) has received renewed Leadership Education in Neurodevelopmental and Related Disabilities (LEND) grant funding. The RCDC is one of 49 programs to be awarded this five-year LEND funding from the Maternal and Child Health Bureau within the Health Resources & Services Administration, U.S. Department of Health and Human Services. LEND programs, located at universities and hospitals across the nation, prepare trainees from a wide variety of professional disciplines to assume leadership roles in the delivery of services to children with autism and other neurodevelopmental disabilities in clinical practice, research, and public policy.

The RCDC LEND has been a section in the IU School of Medicine Department of Pediatrics since 1970. The program is led by Director Angela Tomlin, Ph.D., IUSM associate professor of clinical pediatrics, and Stephan Viehweg, MS, IUSM assistant research professor of pediatrics. RCDC LEND faculty members

provide direct patient care services through IU Health as well as performing many other functions, including advocacy, research, technical assistance, continuing education, and training.

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## HANDS in Autism is Fraternal Order of Eagles' state fundraising recipient

Thanks to the efforts of the Fraternal Order of Eagles (F.O.E.) and the Riley Children's Foundation the HANDS in Autism Interdisciplinary Training and Resource Center is "firmly grounded" and ready for future growth, said Naomi Swiezy, Ph.D., director of the center and the Alan H. Cohen Family Professor of Psychiatry.

The F.O.E. Indiana State Aerie and Auxiliary presidents, Sam Rankin of Plainfield and Donna Weber of Batesville, chose HANDS in Autism as their state fundraising project this past year (ending June 30). They led a very passionate statewide charge to raise funds and awareness of autism spectrum disorder, through local aerie and auxiliary events, said Kate Bonner, associations and radiothon coordinator for the Riley Children's Foundation.

The F.O.E. set a goal to raise \$200,000 payable between June 1, 2015, and August 31, 2016, to be used for HANDS in Autism equipment, supplies, and educational materials, with no administrative cost taken out, to directly benefit children with autism spectrum disorder.

The Eagles' year-end banquets and check presentations were held on June 23, and they are on track to surpass their 2015 fundraising total of \$231,000 for Pediatric Cancer Research at Riley, Bonner said. The final check will be presented on Saturday, Aug. 6.

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## Eskenazi Health receives grant from Christopher & Dana Reeve Foundation

The Christopher & Dana Reeve Foundation has awarded Eskenazi Health a grant to support an initiative that provides work experience for students with disabilities in their fields of study -- experience that could potentially aid them in securing a job in the future.

Specifically, the funds will provide support for the Eskenazi Health Initiative for Empowerment and Economic Independence, a partnership between Eskenazi Health and the Ball State University Disability Project in conjunction with the Office of Disability Services. The \$22,900 Quality of Life grant is funded through a cooperation agreement with the Centers for Disease Control and Prevention (CDC). This is the second time Eskenazi Health has received a grant from the Reeve Foundation.

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## Kudos

Nalepa receives three-year, \$330,000 grant for leukemia research

Grzegorz Nalepa, M.D., Ph.D., assistant professor of pediatrics, biochemistry, and medical and molecular genetics at the IU School of Medicine, has been awarded a three-year, \$330,000 grant for leukemia research from the St. Baldrick's Foundation.

Dr. Nalepa's grant was one of 79 awarded by the foundation in July, for a total of \$22 million. The privately funded foundation, created in 2004, supports research and academic training focused on pediatric cancer.

The grant will fund Dr. Nalepa's research into cancer-specific mutations that are potential targets for treatment and could make possible more personalized treatments that would be more effective with fewer side effects for children with leukemia and inherited bone marrow failure syndromes.

Dr. Nalepa, a specialist in pediatric oncology-hematology, is a member of the Herman B Wells Center for Pediatric Research and the IU Melvin and Bren Simon Cancer Center.

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