



Weekly news for faculty, staff and students from  
the **Indiana University School of Medicine**

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## News to Use

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## IU Health reveals plans for new adult academic health center campus

Indiana University Health, a key clinical partner with the IU School of Medicine, announced April 24 it will build a new academic health center, including a consolidated adult services hospital, on a medical campus centered at Capitol Avenue and 16th Street in downtown Indianapolis.

Women's services, with a focused, specialty care setting for mothers and newborns, will be consolidated at or near Riley Hospital for Children at IU Health on the IU School of Medicine campus.

"We are developing a streamlined, more efficient adult academic health center to serve as our system's principal referral center for patients with severe illnesses and complex cases," said Dan Evans, president and CEO, IU Health. "The medical campus will provide patients with access to specialists and subspecialists for complex care and will be a major part of IU Health's statewide organized system of care."

The new medical campus will include a strong IU School of Medicine presence with a new medical education building, faculty offices and expanded research facilities.

"This is an extremely positive advance and a tangible example of the strength of our partnership," said Jay L. Hess, M.D., Ph.D., IU vice president for university clinical affairs and dean of the IU School of Medicine.

"This model of care maximizes our ability to benefit the patients of today and -- through research and education -- the patients of tomorrow," Dr. Hess said.

The timeline for the project is not yet defined; however, other projects of this size have taken seven or more years. The design planning will take 18 to 24 months and will involve input from hundreds of patients, their families, nurses, physicians and other clinical staff, IU Health said. The full medical campus is anticipated to be complete within 10 years.

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## IUSM Alumni Weekend and Strawberry Shortcake Luncheon registration due

The deadline for registering for the IUSM Alumni Weekend and Strawberry Shortcake Luncheon is May 4. The weekend event will be May 15 and 16 with the luncheon on May 16.

This is the 68th annual Strawberry Shortcake Alumni Luncheon and four IUSM graduates will be recognized. The Distinguished Alumni Award will be presented to Charles M. Clark Jr., IUSM '63, and Charles J. Dietzen, IUSM '87. Lindley H. Wagner, IUSM '59, will be presented with the Glenn W. Irwin Jr., M.D., Distinguished Faculty Award, and Leslie A. Hulvershorn, IUSM '05, will receive the Early Career Achievement Award.

The luncheon reception begins at 11:15 a.m. and the luncheon begins at 11:45 a.m. at the J.W. Marriott, 10 S. West St., Indianapolis. Both are complimentary for IU Alumni Association members and one guest.

Reunions will be held for the IUSM classes of 1947, 1950, 1955, 1960, 1965, 1970 and 1990.

[Register for the IUSM Alumni Weekend and Strawberry Shortcake Luncheon.](#)

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## Responding to the tragedy in Nepal

Some colleagues at the IU School of Medicine have expressed the desire to support those personally

affected by the recent catastrophic earthquake in Nepal; as members of a medical school focused on alleviating suffering, many are understandably driven to help.

One of the best ways to do that is with a financial contribution to a relief organization working on the ground. [The New York Times recently compiled a list of groups seeking support](#). This resource may be helpful to those wishing to donate.

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## De-stress with ICAN dogs to pet

There's no better way to de-stress than with your arms wrapped around a furry, loving dog -- or so says the IUSM Wellness and Children and Adults with Disabilities Student Interest Group, who are again sponsoring the ICAN Stress Less Finals Event.

[The Indiana Canine Assistant Network, which trains service dogs](#), will have four-legged companions at the Daly Student Center, Room 311 from 11 a.m. to 1 p.m. May 5.

Although the event -- strategically scheduled at the end of the finals block -- is planned with medical students in mind, it is open to everyone passing through the Daly Center.

A light lunch of wraps and healthy sides will be provided.

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## Grant to aid Eskenazi Health Prenatal Care Program

A recent grant from the March of Dimes Indiana Chapter will help fund Eskenazi Health's prenatal care programs.

The \$25,000 grant is part of the March of Dimes' continued efforts to improve the health of babies by preventing birth defects, premature birth and infant mortality. Specifically, the grant allows Eskenazi Health to expand Centering Pregnancy to expectant mothers with a special emphasis on women with prior preterm births. Centering Pregnancy is a multifaceted model of group care that integrates three major components -- health assessment, education and support -- into a unified program within prenatal care.

"These funds will greatly benefit our patients and allow us to provide additional services to at-risk pregnant women who are seeking services at Eskenazi Health," said Elizabeth Ferries-Rowe, M.D., obstetrics and gynecology service chief at Eskenazi Health and an assistant professor of obstetrics and gynecology at IUSM. "Our aim is to improve birth outcomes and the health of babies born in Marion County."

Specific plans call for the grant funds to be used to enhance programs offered at the Eskenazi Health Outpatient Care Center and Eskenazi Health Center Westside.

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## Check out IUPUI camps for kids this summer

IUPUI Day Camps are offered June 1 through Aug. 7 for children ages 5 to 12. IUPUI Sports Camps are available for children ages 9 to 17. [A wide range of summer camp programming options is available](#).

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## OS X and iOS updates may improve Wi-Fi performance

Are you using an Apple device? OS X 10.10.3 and iOS 8.3 include fixes that may improve Wi-Fi performance and connectivity. The updates address issues such as continuous prompting for login credentials and intermittent disconnects from Wi-Fi networks.

UITs is always working to improve wireless connectivity around campus. [If you experience issues connecting to IU Secure, report them via the UITs website](#) or contact the UITs Support Center.

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## Research News

### 15 teams to share \$1 million in collaborative grants through IU Research program

Indiana University Vice President for Research Jorge José has announced over \$1 million in collaborative research grants to be shared among 15 newly formed research teams. Members of the teams represent 21 departments from eight schools on three IU campuses.

The IU Collaborative Research Grants program, initiated by José and now in its fifth year, awards teams of researchers up to \$75,000 to support collaborative, innovative projects with a high likelihood of securing external funding. Each project team includes faculty members from different campuses, schools, departments or disciplines.

“As it was envisioned to do, the Collaborative Research Grants program continues to increase the capacity for our investigators to do meaningful and innovative work through new partnerships,” José said. “This increased capacity for collaboration is an especially important outcome of this program.”

This year, 44 investigators make up 15 teams that represent departments and schools from Indiana University Bloomington, Indiana University-Purdue University Indianapolis and IU Southeast, in addition to one team that had a member from Purdue University.

Since a collaboration funded by the inaugural round of grants in 2010-11, Giovanna Guidoboni, an associate professor of mathematics at IUPUI, and Alon Harris, professor of cellular and integrative physiology at the IU School of Medicine, have seen their initial round of work on modeling glaucoma result in enormous benefits.

Following their original round of research, the pair received three external grants, including one from the National Science Foundation for over \$275,000. They have also founded a new scientific journal, the Journal for Modeling in Ophthalmology; established an agreement of international cooperation with the Polytechnic University of Milan (Italy); and co-organized an international workshop in Europe.

“That 2011 collaborative research grant has indeed led to an incredible number of great successes,” Guidoboni said.

[Of the 15 projects awarded funding this year, eleven involved contributions from IU School of Medicine](#)



**researchers.** They are:

### **Single Cell Studies With Scanning Sniffer Patch Microscopy**

Lane Allen Baker, Department of Chemistry, College of Arts and Sciences, IU Bloomington; and Theodore Cummins, Department of Pharmacology and Toxicology, IU School of Medicine.

### **Investigating the Relationship Between Cumulative Disadvantage and Telomere Length as a Contributor to Cancer Disparities**

Silvia Bigatti, Department of Social and Behavioral Sciences, Richard M. Fairbanks School of Public Health, IUPUI; Brittney-Shea Herbert, Department of Medical and Molecular Genetics, IU School of Medicine; Kenzie Latham, Department of Sociology, School of Liberal Arts, IUPUI; and Anna Maria Storniolo, Department of Medicine, Division of Hematology/Oncology, IU School of Medicine.

### **Mechanism of the Regulation of DNA Replication by PIF1 Family Helicases**

Matthew L. Bochman, Department of Molecular and Cellular Biochemistry, College of Arts and Sciences, IU Bloomington; Yuichiro Takagi, Department of Biochemistry and Molecular Biology, IU School of Medicine; and Amber Mosley, Department of Biochemistry and Molecular Biology, IU School of Medicine.

### **Matrix Engineering With Adipose Stem Cells to Promote Islet Function and Longevity**

Robert V. Considine, Department of Medicine, Division of Endocrinology, IU School of Medicine; Raghu Mirmira, Department of Pediatrics, IU School of Medicine; and Sherry L. Voytik-Harbin, Department of Biomedical Engineering, Weldon School of Biomedical Engineering, Purdue University.

### **Using in vivo Microscopy to Build Predictive Models of Drug-induced Liver Injury**

Kenneth Dunn, Department of Medicine, Division of Nephrology, IU School of Medicine; Richard Day, Department of Cellular and Integrative Physiology, IU School of Medicine; and Steve Pressé, Department of Physics, School of Science, IUPUI.

### **Neurotherapeutic Potential of Adipose Stem Cell-Conditioned Medium in ALS**

Kathryn Jones, Department of Anatomy and Cell Biology, IU School of Medicine; and Keith March, Department of Medicine, Krannert Institute of Cardiology, IU School of Medicine.

### **A Novel Approach to Discover Drug Resistance Genes in Breast Cancer Cells**

Tao Lu, Department of Pharmacology and Toxicology, IU School of Medicine; and Lang Li, Department of Medical and Molecular Genetics, IU School of Medicine.

### **Induction and Maintenance of Chronic Migraine: Regulation of TRP Channels by Endogenous N-acyl Amide Lipids**

Gerry Oxford, Department of Pharmacology and Toxicology, IU School of Medicine; Heather Bradshaw, Department of Psychological and Brain Sciences, College of Arts and Sciences, IU Bloomington; and Joyce Hurley, Department of Biochemistry and Molecular Biology, IU School of Medicine.

### **Optical-Based, Label-Free Multiplex Assay for Direct Quantification of microRNAs in Serum and Cancer Cells**

Rajesh Sardar, Department of Chemistry and Chemical Biology, School of Science, IUPUI; and Murray Korc, Department of Medicine, Division of Endocrinology, IU School of Medicine.

### **Developmental Adaptation to Chronic Hypoxia**

Robert Tepper, Department of Pediatrics, IU School of Medicine; Mircea Ivan, Department of Microbiology and Immunology, IU School of Medicine; and Kenneth Nephew, Medical Sciences Program, IU School of Medicine-Bloomington.

### **Hippo/YAP Signaling Controls Protein Redistribution and Organ Size in Critical Illness**

Clark Wells, Department of Biochemistry and Molecular Biochemistry, IU School of Medicine; Teresa

Zimmers, Department of Surgery, IU School of Medicine; and Leonidas Koniaris, Department of Surgery, IU School of Medicine.

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## Study: Majority of older adults willing to be screened by telephone for dementia

Nearly two-thirds of older adults were willing to undergo telephone screening for dementia, according to a new study from the IU Center for Aging Research and the Regenstrief Institute. Willingness to be screened by phone did not differ by sex, age or race.

The researchers found that the two most significant predictors of willingness to be screened by phone were belief in benefits of early knowledge of cognitive decline and having a friend or relative with Alzheimer's disease.

Screening for dementia is designed to detect problems requiring further diagnostic assessment.

"**Older Primary Care Patients' Attitudes and Willingness to Screen for Dementia**" appears in the peer reviewed, open access Journal of Aging Research.

Patient willingness to be screened for dementia by phone was determined via a phone survey of older primary care patients. The 63 percent willingness rate was significant although lower than the 90 percent willingness rate of patients who were queried in face-to-face interviews as **reported by IU Center for Aging Research and Regenstrief Institute researchers in a 2012 study**.

"Despite rising incidence rates of Alzheimer's and other dementias, many individuals with cognitive impairment are not screened. They go unrecognized and thus never receive evaluation or diagnosis," said IU Center for Aging Research and Regenstrief Institute investigator Nicole Fowler, Ph.D., who led both studies. "Understanding patients' attitude about the risk and benefits of early identification of dementia is vital as we evaluate potential screening barriers and facilitators."

In 2013 the United States Preventive Services Task Force concluded that the evidence to routinely screen for dementia in primary care is insufficient due to a lack of studies evaluating the risks, benefits and patient perspectives of the value of dementia screening.

"Our study provides insight into what patient's think about dementia screening," Dr. Fowler said. "In addition to informing policymakers and researchers, we should make community physicians and others outside the academic community more aware of both the benefits of informing older adults about screening options for dementia and the willingness of this group to undergo screening either in person or by telephone."

Telephone screening is less burdensome to the patient and possibly to the physician's office, she noted.

The 400 older adults in the study were patients of physicians affiliated with two large community health care systems. None of the patients had a dementia diagnosis and less than two percent reported being told by their physician that they suspected memory problems.

**Dementia is an overall term for the wide range of symptoms** associated with a decline in memory or other cognitive skills severe enough to reduce a person's ability to perform everyday activities. Alzheimer's disease, which is progressive, is the most common form of dementia.

In addition to Dr. Fowler authors of the study are Anthony J. Perkins, M.S., Hilary A. Turchan, B.S., and Amie Frame, MPH, of the IU Center for Aging Research and the Regenstrief Institute; Patrick Monahan, Ph.D., and Sujuan Gao, Ph.D., of the IU School of Medicine and Malaz Boustani, M.D., MPH, of the IU Center for



Aging Research, Regenstrief Institute and the IU School of Medicine. Dr. Boustani is also the chief operating officer of the Center for Health Innovation and Implementation Science.


This work was supported by a grant (R01AG029884) from the National Institute on Aging.

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## Faculty and Staff News

### New process for medical student letters of recommendation takes effect May 1

Beginning May 1, faculty members must submit medical student recommendation letters electronically through the Association of American Medical Colleges ERAS Letter of Recommendation Portal. AAMC will no longer allow the IUSM Office of Medical Student Affairs to handle or upload letters. **Medical student letters of recommendation should be submitted directly to the LoRP.** Fellowship letters are already handled this way.

As part of the new process, students asking faculty members for a recommendation letter will give them a form from ERAS with a letter ID (unique code) and instructions.  **Complete details about the new recommendation letter process for IUSM, including key changes, is available.**

For more information or questions, visit the LoRP portal for a list of FAQs or contact Michael McKenna, M.D., assistant dean of career mentoring at [mpmckenn@iu.edu](mailto:mpmckenn@iu.edu) or Alyssa Marcheleta, academic program support specialist, at [admarche@iupui.edu](mailto:admarche@iupui.edu).

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### Reminder: Spring Faculty Meeting is May 5

The IU School of Medicine Spring Faculty Meeting will be from 4:30 to 6 p.m. Tuesday, May 5, in Walther Hall Auditorium, R3 203. The meeting agenda includes:

- Dean's update -- Jay Hess, M.D., Ph.D.
- 2015 faculty election results and award recipients' recognition
- LCME update -- Peter Nalin, M.D., IUSM executive associate dean for education, with input from Dan Hunt, M.D., M.B.A., co-secretariat, LCME.

Faculty members are encouraged to attend in person; however, the meeting will be available via live web stream. **Instructions for viewing are posted on the Faculty Steering Committee Web page.** Faculty meetings are held twice a year to discuss issues of importance to IUSM.

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## Student Showcase

### IUSM-Northwest students volunteer for Habitat for Humanity

More than 25 IUSM-Northwest students volunteered for Habitat for Humanity of Northwest Indiana on two Saturdays in April. The students completed prep work for the entire layout and frame of a new build and then worked on an existing build.

Habitat for Humanity of Northwest Indiana is located in Gary, just blocks away from the IUSM-Northwest campus.

"We all enjoyed being able to give back to our local community and help combat the urban decay that afflicts much of Gary," said Jennifer Evan, MS3. "This local Habitat organization is currently working to build the 'Field of Hope' in Gary, which consists of new Habitat houses with a local park. They hope to continue building eight to 10 houses a year to expand the area."

IUSM-Northwest students who participated in the volunteer project are:

MS3: Dawn Federonick, Siddarth Bangar, Ryan O'Rourke, Jennifer Evan, Jamal Lawrence and Kyle Parker.

MS2: Dana Jones, Veronica Jenkins, Kaleigh Fetko and Ruvi Chauhan.

MS1: Emenike Okafor, Joshua Wallentin-Flores , Scott Painter, Ben Goldenberg, Zain Ashary, Jacquie Spring, Ajay Patel, Supriya Shah, Imran Husain, Victor Wong, Michael Boulous and Annemarie Rompca.

IU-Northwest MSW student: Alexia Evan.

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## Opportunities

### Campus visits begin next week for IUPUI chancellor finalists; meeting times set for faculty

Finalists in the internal search for a new chancellor for IUPUI will meet with campus groups next week. The search committee, chaired by Eugene R. Tempel, founding dean and professor of philanthropic studies and higher education at the IU Lilly Family School of Philanthropy at IUPUI, has identified two finalists who will meet with faculty, staff, students and community members.

The finalists and their visit dates are:

- **John N. Williams, Jr., DMD, MBA, May 5 to 6** -- Dean, IU School of Dentistry
- **Nasser H. Paydar, Ph.D., May 6 to 7** -- Executive vice chancellor and chief academic officer, IUPUI

[More information about the candidates and the campus visits is available online.](#) Time has been set aside for faculty to meet with the candidates.

[The next chancellor will succeed Charles R. Bantz, who is stepping down from his position effective Aug. 15.](#)

Bantz joined IUPUI as chancellor and IU vice president for long-range planning in 2003 and guided the campus through a period of growth and unprecedented student success.

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## Online information session for a graduate certificate in Health Innovation and Implementation Science is May 6

A one-hour interactive video conference to share details about the graduate certificate in Health Innovation and Implementation Science will be held from 6 to 7 p.m. Wednesday, May 6. A Q&A session will be included. For more information or questions, contact Tiffany Campbell at 317-274-9052 or [tiffcamp@iupui.edu](mailto:tiffcamp@iupui.edu). [Directions for joining the online session are available.](#)

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## IU Simon Cancer Center Special Seminar is May 6

C. David Allis, Ph.D., of Rockefeller University in New York, will be the presenter of the IU Simon Cancer Center's Special Seminar on May 6. The seminar will be held from 3 to 4 p.m. in Walther Hall, Room 303/305.

Dr. Allis will present "Varying the Terrain of Epigenetic Landscapes: Implications for Human Cancer." He is the Joy and Jack Fishman Professor and Head of the Laboratory of Chromatin Biology and Epigenetics at Rockefeller University.

Dr. Allis studies the DNA-histone protein complex called chromatin, which packages the genetic information that exists within each cell and serves as a means of gene regulation that lies outside of the DNA itself -- the basis of epigenetics. His foundational research on the unexpected regulation of gene activation by modifications to proteins that package DNA, work with implications for many diseases including cancer, earned him a 2015 Breakthrough Prize in Life Sciences. The prize recognizes "transformative advances toward understanding living systems and extending human life." A \$3 million cash award accompanies the Breakthrough Prize, making it the richest prize in the life sciences.

Dr. Allis earned his master's and doctorate degrees from IU.

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## Save the date: NIH proposals workshop scheduled for May 27

"Writing/Designing Winning NIH Proposals" will be held from 8:30 a.m. to 4:30 p.m. Wednesday, May 27, at the IUPUI Campus Center. This comprehensive workshop is designed to help participants understand the proposal writing and submission procedures for the National Institutes of Health. The workshop is for those who need to understand how to navigate the NIH website; want to improve their proposal-writing skills; and those interested in the latest NIH funding regulations and trends.

The cost of the workshop is \$375 per person. Some discounts are available. An online version of the workshop is also available. [Register for the NIH proposal workshop or find out more.](#) Information can also be obtained by calling 866-704-7268.

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## Kudos

### Scheel recognized as research trailblazer

Molly Scheel, Ph.D., associate professor of medical and molecular genetics, IUSM-South Bend, has been selected as one of three 2015 Research Frontier Trailblazers. The Research Frontier Trailblazer Award recognizes outstanding researchers at IUSM or IUPUI at the associate professor level among candidates whose work shows great promise in becoming nationally and internationally significant. Dr. Scheel's research in vector mosquito developmental genetics and mosquito development biology aims to modify mosquitoes before they become disease-transmitting adults.

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### Davis recognized by St. Joseph County Chamber of Commerce

Patrick Davis, MS3, IUSM-South Bend, has been selected as a member of the Forty under 40 Class of 2015 by the St. Joseph County Chamber of Commerce. The program honors professionals under age 40 for their business success and community contributions. Davis, a native of Granger, led the charge in establishing the Navari Student Outreach Clinic. It was the first student-managed clinic to open among IU's eight regional medical school campuses. Although only a year old, it has already served more than 150 patients and engaged several dozen medical students in community outreach.

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