



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

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November 19, 2015



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## NIAAA and fetal alcohol spectrum disorders

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## Writing/designing winning NIH proposals workshop

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[View more events »](#)

### Top News

#### No InScope issue next week

InScope will not be published on Thursday, Nov. 26, in observance of the Thanksgiving holiday. The next issue of InScope will be distributed Thursday, Dec. 3.

Remaining 2015 issues of InScope are: Dec. 3, Dec. 10 and Dec. 17. After the holiday break, InScope will resume publication on Thursday, Jan. 7, 2016.

Submit news items to [scopemed@iu.edu](mailto:scopemed@iu.edu).

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#### What you said: Internal communications survey results

The IU School of Medicine's Office of Strategic Communications issued a survey in June to determine how faculty, staff and students get information and stay informed about the School and its entities.

The data shows that internal audiences:

- Primarily get news from department-level communications (e.g., team meetings, one-off emails with

colleagues, supervisor)

- Receive InScope and typically skim the headlines, read one-two articles
- Cite lack of time and content relevancy as a reason for not always reading internal communications
- Are most interested in forward-facing information versus past events or awards, recognitions
- Seek insight to student life and trainee perspectives as well as information about strategic planning/ goals from School leaders

Thanks to the input, changes underway to improve internal communication efforts statewide include:

- Development of a limited-scope, fully responsive intranet for more efficient and secure communication of internal news, collaboration
- Adjusted editorial focus of InScope to include more trainee and leadership perspectives
- Shorter, more descriptive InScope headlines for improved “skim-ability”
- Tailored e-mail sends through Salesforce to communicate news in a more timely and targeted manner
- Platform integration to diversify information access (e.g., at-a-glance references on MedTV to expanded content on website)

“The IU School of Medicine intranet will be the go-to resource for school and campus news, announcements, events and updates,” said Holly Vonderheit, director of strategic communications. “We want to offer staff and students a place to circulate information, connect with one another, and stay informed about what’s happening at the school—on a statewide level.”

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## Bishop honored by Indianapolis Business Journal

MaryEllen Kiley Bishop, vice chairwoman of the IU Board of Trustees, was chosen for the Indianapolis Business Journal’s 2015 class of Women of Influence -- women from diverse fields who are shaping Indiana’s business, educational, artistic and philanthropic communities. Bishop is former co-chairwoman of the IUSM [Planned Giving Committee](#) and still participates as a committee member.

For more, visit [inside.iupui.edu](http://inside.iupui.edu).

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## Research News

**New IUSM research grants and awards exceed \$7.5 million in October**

Investigator	Sponsor	Type	Project Title	Begin Date	End Date	Awarded Dollars
Niranjan Awasthi	University Of Notre Dame	New	Enhancing pancreatic cancer chemotherapy response by targeted inhibition of TGFb induced tumorigenic signaling.	7/1/15	6/30/16	20,000
Sunil Badve	Case Western Reserve University	New	Computerized morphologic-molecular predictor of progression in DCIS	4/1/15	3/31/16	35,100
Ashay D Bhatwadekar	International Retinal Research Foundation	New	Muller cell dysfunction in diabetic retinopathy	10/1/15	9/30/16	100,000
Michelle L Block	U.s. Department Of Defense	New	The Role of Protein Radicals in Chronic Neuroimmune Dysfunction and Neuropathology in Response to a Multiple-hit Model of Gulf War Exposure	9/30/13	9/29/16	609,042
David L Boone	University Of Notre Dame	New	ATG16L1 and colon cancer	7/1/15	6/30/16	20,000
Christopher M. Callahan	Agency For Healthcare Research And Quality	New	Brain Health Patient Safety Learning Laboratory	9/30/15	9/29/16	948,753
Simon J Conway	U.s. Department Of Veterans Affairs	New	VA H. Nakshatri, MD Research	9/1/16	9/30/16	14,391
Christen Klochan Dilly	American Gastrological Association	New	Validation of a tool for summative assessment of endoscopy performance	10/1/15	9/30/16	1,000
Robert J Fallon	Children's Hospital Of Philadelphia	New	CC-5013-AML-002, A PHASE 2, MULTICENTER, SINGLE-ARM, OPEN-LABEL STUDY TO EVALUATE THE ACTIVITY, SAFETY AND PHARMACOKINETICS OF LENALIDOMIDE	7/14/15	7/14/18	88,500

			(REVLIMID?) IN PEDIATRIC SUBJECTS FROM 1 TO ? 18 YEARS OF AGE WITH RELAPSED OR REFRACTORY ACUTE MYELOID LEUKEMIA			
J. Emanuel Finet	Duke University	New	GUIDing Evidence Based Therapy Using Biomarker Intensified Treatment in Heart Failure (GUIDE-IT)	9/30/15	4/30/17	213,000
Evan L. Fogel	National Institute Of Diabetes, Digestive & Kidney	New	Indiana University (IU) Clinical Center for Chronic Pancreatitis Clinical Research	9/28/15	8/31/16	287,655
Greg Edward Gaski	Mcmaster University	New	Fixation using Alternative Implants for the Treatment of Hip Fractures: A Multi-Centre 2x2 Factorial Randomized Trial Comparing Sliding Hip Screws versus Cancellous Screws AND Vitamin D versus Placebo on Patient Important Outcomes and Quality of Life in t	9/29/15	3/31/17	95,903
Bernardino Ghetti	University Of California, Davis	New	Collaborative research on the bran of H.M. - UC Davis	7/15/15	7/14/16	65,000
Monica Khurana	Indiana State Department Of Health	New	Sickle Bright: Transitioning to a Bright Future	10/1/15	6/30/17	124,674
Patrick J. Loehrer	Walther Cancer Foundation, Inc.	New	Center Directors Developmental Funds Award	10/15/15	10/14/16	100,000
David G. Marrero	Joint Insurer Provider Institute, Inc.	New	AMA-DTRC Patient Activation Study	10/1/15	9/30/17	350,000
Harikrishna Nakshatri	U.s. Department Of Defense	New	The impact of ethnicity-dependent differences in breast epithelial hierarchy on tumor incidence and characteristics	9/30/15	9/29/18	1,091,995

Christie M Orschell	U.s. Department Of Defense	New	Mitigation of the hematopoietic and gastrointestinal acute and delayed radiation syndromes using combination therapy with pegylated hematopoietic growth factors	9/30/15	9/29/18	1,589,461
Martin Henry Plawecki	Wright State University	New	Platelet Activating Factor and Epidermal Cytotoxicity	9/4/15	6/30/16	70,317
Jeni Prosperi	University Of Notre Dame	New	STAT3 regulates APC-mediated chemotherapeutic resistance in breast cancer	7/1/15	6/30/16	50,000
Frederick J. Rescorla	Riley Children's Foundation	New	Pediatric Surgery clinical research	7/1/15	6/30/16	150,000
Kent A. Robertson	U.s. Food And Drug Administration	New	Phase 2 Study of Imatinib in Children with Neurofibromatosis and Airway Tumors, IND#117448	9/10/15	8/31/16	400,000
Bryan Paul Schneider	University Of Michigan	New	Taxane-Induced Peripheral Neuropathy Meta Analysis	8/1/15	7/31/16	50,000
Robert S. Tepper	Oregon Health & Science University	New	CPAP Drives Lung Growth and Pulmonary Function in Moderately Preterm Primates	8/15/15	5/31/16	51,902
Lois B. Travis	National Cancer Institute	New	Genetic Susceptibility and Biomarkers of Platinum-Related Toxicities	8/1/15	7/31/16	827,511
Tracy C Vargo-Gogola	University Of Notre Dame	New	Cdc42 is a Key Regulator of Mammary Gland Morphogenesis and Breast Cancer	9/1/15	8/31/16	18,761
Daniel J Vreeman	Regenstrief Institute, Inc.	Renewal (not prev committed)	Logical Observation Identifiers Names and Codes (LOINC)	7/1/14	6/30/16	186,027
Charles Willard Yates	University Of Iowa	New	Contribution of p75NTR to Schwannoma Growth and Therapeutic Responses	5/1/14	4/30/17	10,639

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## \$4 million grant funds Brain Safety Lab focused on brain health of older adults

Brain health is critical to successful aging. A new four-year \$4 million grant from the Agency for Healthcare Research and Quality to the Indiana University Center for Aging Research funds the establishment of the Brain Health Patient Safety Learning Laboratory at [Eskenazi Health](#). It is a collaboration with the IU schools of [Medicine](#), [Informatics and Computing](#), and [Nursing](#); the Purdue University schools of [Biomedical and Industrial Engineering](#); [Purdue College of Pharmacy](#) and the [Regenstrief Institute](#).

With the multidisciplinary expertise of more than a dozen faculty members and other key personnel, the new Brain Safety Lab will develop potential brain safety solutions, test prototypes and deploy them in the real-world clinical setting of the Sandra Eskenazi Center for Brain Care Innovation.

Drawing upon knowledge from fields as diverse as aviation safety, industrial engineering and implementation science, as well as various health specialties, the Brain Safety Lab seeks to redesign the complex systems involved in providing health care to amplify attention to the well-being of the human brain.

"We need to and can do more to ensure brain health, actively focusing on the behaviors and needs of both patients and providers," said Christopher Callahan, M.D., founding director of the IU Center for Aging Research, a Regenstrief Institute investigator and Cornelius and Yvonne Pettinga Professor in Aging Research at the IU School of Medicine. "As we have with the heart and other organs -- we, both clinicians and patients -- can do a better job of preventing harm and maintaining the brain as it ages." Dr. Callahan, a geriatrician, is the principal investigator on the AHRQ grant and directs the Brain Safety Lab.

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

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## Changes in brain associated with peripheral nerve issues caused by cancer therapy

IU School of Medicine researchers have identified physiological changes in the brain that appear to be associated with peripheral nerve-related symptoms caused by chemotherapy.

In research newly reported in the *Journal of Clinical Oncology*, scientists used magnetic resonance imaging to study changes in brain blood flow and density of gray matter in breast cancer patients receiving chemotherapy, comparing them to participants not undergoing chemotherapy. The study is believed to be the first to identify structural and functional changes in the brain associated with peripheral neuropathy caused by chemotherapy to treat breast cancer.

Chemotherapy-induced peripheral neuropathy is a common side effect of chemotherapy treatments. Patients can experience a broad range of symptoms, including numbness, tingling, pain, muscle weakness, balance problems and difficulty walking.

The study found that chemotherapy-induced peripheral neuropathy was associated with increased blood flow in areas of the brain that are associated with processing of pain sensations. Both peripheral neuropathy and associated blood flow were associated with gray matter density change, such that individuals with lower gray matter density showed lower blood flow and reported fewer symptoms of peripheral neuropathy.



"Most studies to date have focused on either cognitive or peripheral nerve changes after cancer treatment without examining the possible relationship of both to underlying brain mechanisms," said Andrew Saykin, Psy.D., director of the IU Center for Neuroimaging and Raymond C. Beeler Professor of Radiology. "This analysis connected all of these issues suggesting the need for a more comprehensive approach to neural changes in cancer patients."

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

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## Regenstrief Data: Seniors with dementia make more ER visits

Older adults with dementia are more frequent visitors to emergency departments, returning at higher rates and incurring greater costs than older adults without dementia, according to a new study from the Regenstrief Institute and the [Indiana University Center for Aging Research](#). The study is one of the first to explore long-term patterns of healthcare use and mortality rates of elders with cognitive impairment who visit the emergency department.

Older adults with dementia also are more likely to be admitted to the hospital (not a trivial event for this age group) and have a higher death rate following an emergency department visit than those without dementia, according to the study of 32,697 individuals aged 65 and older with and without dementia who sought emergency care over an 11-year period at Eskenazi Health, a large, urban, safety-net healthcare system.

Between one-third and half of older adults with dementia made an emergency department visit in any given year. Five years after their first emergency department visit, only 46 percent of those with dementia were alive, while 76 percent of older adults without dementia who visited an emergency department had survived.

"As people live longer we will increasingly be faced with a growing number of individuals with cognitive impairment. We now know that survival rates after an ED visit differ significantly by cognitive status," said IU Center for Aging Research and Regenstrief Institute Investigator Michael LaMantia, M.D., M.P.H., assistant professor of medicine at IU School of Medicine. "We need to continue to learn how to provide better care to these vulnerable individuals in fast-paced emergency departments and after their visits to the ED.

"Our findings, which were controlled for age, race, gender and health conditions, in addition to degree of cognitive impairment, fill in gaps in knowledge about trajectories of care for older adults with dementia and provide an evidence-based starting point for future investigations that we should not defer."

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

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## Faculty and Staff News

### Hurley named interim chair of biochemistry and molecular biology department

Effective Dec. 1, Thomas D. Hurley, Ph.D., associate chair and professor of the Department of Biochemistry and Molecular Biology, will serve as interim chair of the department. The appointment is prompted by the

departure of Zhong-Yin Zhang, Ph.D., chair and Robert A. Harris professor.

Dr. Hurley, who joined the School of Medicine in 1992, was named director of the Center for Structural Biology in 1999 and associate department chair 2009. He is an IUPUI Chancellor's Professor. His current research includes the use of aldehyde dehydrogenase enzyme inhibitors to target ovarian cancer cells.

Dr. Zhang will join Purdue University, where he received his Ph.D. in biochemistry, as head of the Department of Medicinal Chemistry and Molecular Pharmacology, effective Jan. 4.

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## Friday is last day to sign up for 2016 benefits

Open enrollment for full-time IU employees ends Friday, Nov. 20. Visit the [open enrollment website](#) for details. This is a once-a-year opportunity to change certain benefit plans for 2016 or to enroll for the first time.

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## Student News

### Irakunda awarded Stanley Clark Turst Scholarship

Edmond Irakunda, MSII, IU School of Medicine-South Bend, received the 2015 Stanley Clark Trust Scholarship from the St. Joseph County Medical Society. Irakunda, a graduate of IU-South Bend, entered medical school this year after earning a degree in nursing. The society administers the scholarship fund from an endowment established in the name of physician Stanley Clark, M.D., the founder of South Bend Medical Foundation.

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## Opportunities

### Center for Diabetes & Metabolic Diseases: Pilot & feasibility grants

The [Indiana Diabetes Research Center's](#) Center for Diabetes and Metabolic Diseases announces the availability of [Pilot and Feasibility program](#) to foster the development of new diabetes-related investigators and provide seed-support for innovative, high-risk projects.

Investigators of all Indiana Clinical and Translational Sciences Institute affiliated institutions are welcome to apply: IU-Bloomington, IUSM, IUPUI and Purdue. The program will be particularly directed at new investigators and established investigators new to diabetes-related research. The program will also consider established diabetes investigators pursuing high impact/high risk projects or projects that are a significant departure from their usual work. The IUSM and Purdue campuses are ideal for establishing interdisciplinary collaborations and forging new partnerships between basic scientists and clinical researchers, and such

collaborations are encouraged. The CDMD P&F program can fund up to three meritorious proposals at up to \$45,000 each.

To learn more about this opportunity, visit the [Indiana CTSI Hub](#).

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## Partner News

### Eskenazi Health among most environmentally efficient new hospitals

Eskenazi Health's main campus has achieved Leadership in Energy and Environmental Design (LEED) Gold certification, making it among the first and largest new hospital campuses in the United States and first in the state to achieve this recognition.

The Sidney & Lois Eskenazi Hospital and Eskenazi Health campus includes a one-of-a-kind sky farm on the rooftop of the Outpatient Care Center and The Commonground, an open-air outdoor plaza. Since its opening two years ago, Eskenazi Health has built a reputation for its commitment to creating a cleaner, healthier, more energy-efficient environment.

For more on the hospital's LEED certification, visit [eskenazihealth.edu](http://eskenazihealth.edu).

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## Around Campus

### All - Deadline to complete Ruth Lilly Medical Library survey extended to Nov. 24

IUSM faculty, staff and students have until Tuesday, Nov. 24, to take part in a nationwide project to measure the effectiveness of library services and resources. The Ruth Lilly Medical Library is participating in the project to support improvements. The Web-based survey is designed to assist libraries in soliciting, tracking, understanding and acting upon users' opinions of service quality.

[Click here](#) to complete the survey. Answers should focus on Ruth Lilly Medical Library only.

Survey response is anonymous; however, one Fitbit ChargeHR will be awarded to one randomly selected person in multiple categories. Those wishing to participate in the random drawing can provide their IU e-mail address at the end of the survey. E-mail addresses are not linked to responses, yet are needed for the drawing for the Fitbit ChargeHR. Click the "Complete the Survey" button at the end of the survey to register the survey as complete.

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### Indy - IUSM orchestra to perform this Sunday

Enjoy Nabucco Overture by Giuseppe Verdi and other classical selections performed by the IUSM orchestra on Sunday, Nov. 22, 2 to 4 pm, at the Eugene and Marilyn Glick Indiana History Center.

Admission to this annual fall concert, conducted by director David Schurger, is free. A reception will follow. With questions, e-mail [orchestra@iupui.edu](mailto:orchestra@iupui.edu).

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## Indy - Save the date: Evening of the Arts is April 9

The 25th annual Evening of the Arts, hosted by IU School of Medicine, is scheduled for Saturday, April 9, at Crispus Attucks Medical Magnet High School. Evening of the Arts offers students, faculty and staff the chance to share their artistic talents, while raising money for area medical clinics.

For more information about the event that includes dinner, a silent auction and the variety show, visit [iusmeota.com](http://iusmeota.com). E-mail [iusmeota@iupui.edu](mailto:iusmeota@iupui.edu) for information on auditions and artwork submissions.

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## Indy - IUPUI adds all-gender restrooms

IUPUI is planning changes to help the campus build on its history of diversity and inclusion, adding 15 new all-gender restrooms and creating the new Lesbian, Gay, Bisexual, Transgender and Queer Center in the Multicultural Center in Taylor Hall.

"One of our strategic goals as a campus is to encourage student success, and making sure students feel safe and welcome will increase their ability to achieve at the highest levels," said IUPUI Chancellor Nasser H. Paydar. "These new restrooms represent an acknowledgement of our LGBTQ students, who are an integral part of our diverse campus community."

For more, including details on the new center, visit [insideiupui.edu](http://insideiupui.edu). Details about the IU School of Medicine's diversity efforts are online at [diversity affairs](#).

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