



Weekly news for faculty, staff and students from
the [Indiana University School of Medicine](#)

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News to Use

Regenstrief, IU inaugurate next era in clinical informatics fellowship programs

As more patient information takes an electronic form, physicians must work with computers efficiently and effectively to provide the best care.

To help physicians not just use but shape the course of electronic medical record systems and health information exchange, the Regenstrief Institute and the Department of Emergency Medicine at the IU School of Medicine are offering one of the nation's first accredited clinical informatics fellowship training programs.

The new **Regenstrief-IU fellowship program**, which is available to physicians in any medical specialty, focuses on a rapidly growing interdisciplinary field merging medicine and computer science and on the collection and use of electronic patient data to improve delivery of health care, with the goal of improving the health of individuals and entire populations.

"The nation is very rapidly moving towards 'digitizing' health care," said Titus Schleyer, DMD, Ph.D., Clem McDonald Professor of Biomedical Informatics at the IU School of Medicine and director of the **Center for Biomedical Informatics** at the Regenstrief Institute. "Electronic health records have had huge benefits, but there are also a lot of bumps in the road. Physicians are largely very dissatisfied with EHRs as tools for their daily work. Individuals trained in clinical informatics can help chart the way to a better future."

The director of the new IU-Regenstrief fellowship program is John T. Finnell, M.D., associate professor of clinical emergency medicine at the IU School of Medicine and investigator at the Regenstrief Institute. The program is accredited by the Accreditation Council for Graduate Medical Education as part of an initiative of the council and the American Board of Anesthesiology, the American Board of Emergency Medicine, the

American Board of Family Medicine, the American Board of Genetics and Genomics, the American Board of Internal Medicine, the American Board of Pathology, the American Board of Pediatrics, the American Board of Preventive Medicine and the American Board of Radiology.

Dr. Schleyer also serves as director of the biomedical informatics core of the [Indiana Clinical and Translational Sciences Institute](#).

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

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2015 Indiana Alzheimer Disease Center symposium -- March 6

The Indiana Alzheimer Disease Center will present its 2015 Scientific Symposium, "Network Science and Alzheimer's Disease," from 8 a.m. to 2:45 p.m. Friday, March 6, in the IU Health Neuroscience Center (Goodman Hall) Auditorium.

This annual symposium is designed to help scientists and clinicians to better understand the complex multi-level systems involved in Alzheimer's disease, from altered brain connectivity and gene networks to the social networks surrounding patients and caregivers.

Keynote speakers will be:

- **Andrew J. Saykin**, Psy.D., Raymond C. Beeler Professor of Radiology & Imaging Sciences and director of the Indiana Alzheimer Disease Center at the IU School of Medicine
- **Bernice A. Pescosolido**, Ph.D., Distinguished Professor and Chancellor's Professor of Sociology, co-director of the IU Network Science Institute and director of the Indiana Consortium for Mental Health Services Research at IU Bloomington
- **Olaf Sporns**, Ph.D., Distinguished Professor, Provost Professor and Robert H. Shaffer Chair in the Department of Psychological and Brain Sciences and co-director of the IU Network Science Institute at IU Bloomington

This event will also feature "state-of-the-science" presentations from Indiana Alzheimer Disease Center researchers, including **Joaquin Goñi**, Ph.D.; **Vijay Ramanan**, Ph.D.; and **Li Shen**, Ph.D.

In addition, symposium attendees are invited to submit abstracts highlighting their research related to Alzheimer's disease or other dementias, with up to 10 authors being invited to present their poster during the morning session. Space will be available to display posters throughout the day.

Abstracts of 250 words are due **Monday, Feb. 16**. Submit abstracts to iadc@iupui.edu.

This symposium is offered free of charge; however, [registration is required](#).

Questions to Donna Wert at 317-963-7297 or dwert@iupui.edu.

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IU researcher identifies novel pathway that solid tumor cancer cells activate for growth

A common, yet previously undistinguished protein, which is elevated in many late-stage cancers, may play a strategic role in tumor growth through a non-conventional pathway, researchers at the IU School of Medicine [report in the Feb. 10 issue](#) of the Proceedings of the National Academy of Sciences.

The protein, Mdm2, an oncogene, has long been thought to play a major role in regulating the effectiveness of the tumor suppressor p53, largely through p53's destruction. New research shows that Mdm2 plays an active role in making p53 ineffective without eradicating it from the cell.

"This work provides new evidence on the mechanism through an unrealized pathway that can spur on cell growth and metastasis," said Lindsey D. Mayo, Ph.D., associate professor of pediatrics, biochemistry and molecular biology, a scientist at the Herman B Wells Center for Pediatric Research at the IU School of Medicine and a researcher at the IU Simon Cancer Center.

Previously, Dr. Mayo and colleagues identified a critical pathway that stimulates the production of Mdm2 causing an increase in the level of protein that binds to p53, the most common tumor suppressor, as well as other tumor suppressors, and extinguishes tumor suppression activity. Since elevated levels of Mdm2 are found in late-stage cancers, the IU researchers began to test what elevated Mdm2 was doing in the cells.

The tumor uses Mdm2 to either destroy p53, or put p53 in suspended animation. The suspended animation is the revelation that Dr. Mayo's laboratory discovered in the recently published work.

Co-authors on the PNAS article are Christopher N. Batuello, Ph.D; Paula M. Hauck, Ph.D.; Jaimie M. Gendron; and Jason A. Lehman, Ph.D.

This work was funded by the National Cancer Institute with pilot funding from Riley Children's Foundation and a research support funds grant from IUPUI.

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

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IU study finds obese women differ in how they view weight by race

According to a new study from the Regenstrief Institute and IU Center for Aging Research study, low-income obese white women uniformly report that weight negatively affects their lives, while half of their black contemporaries are comfortable with obesity.

"For both the black and white women we interviewed, food was central to social life and pleasure," said NiCole Keith, Ph.D., the study author and a physical activity researcher who focuses on health disparities such as race, age and socioeconomic status and on preventive health interventions. "Understanding how low-income urban middle-aged women feel about weight and the perceived social pressures to lose weight is important to reaching this high-risk and complicated -- in terms of weight loss -- population."

The study, which appears in the January-February 2015 issue of the American Journal of Health Behavior, also found that none of the black women who participated in the study reported felt external pressure to lose weight from friends or family members, compared to three-quarters of the white women. Ninety-one percent of white women in the study versus 69 percent of black women also believed obesity to be an inherited trait, suggesting they thought nothing can be done to prevent it.

Study results were based on in-depth home interviews conducted with 16 obese black and 11 obese white women who failed to attend Healthy Me, a free Eskenazi Health lifestyle weight loss program to which they had been referred by their health care provider at one of Eskenazi Health's nine urban clinics.

Dr. Keith is an associate professor of kinesiology in the School of Physical Education and Tourism Management at IUPUI and vice president of the American College of Sports Medicine. She is also an investigator at the Regenstrief Institute and scientist with the IU Center for Aging Research.

Additional study authors were Kimberly Hemmerlein, B.A., and Daniel O. Clark, Ph.D. of the Regenstrief Institute and IU Center for Aging Research. The study was funded by National Institute of Diabetes and Digestive and Kidney Diseases.

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Faculty and Staff News

Chandy John named Ryan White Professor in Pediatrics

Chandy C. John, M.D., who recently joined the IU School of Medicine from the University of Minnesota, has been named the second holder of the Ryan White Professorship in Pediatrics, effective Feb. 1, pending Board of Trustees approval.

Dr. John is also a professor of pediatrics and a professor of microbiology and immunology at the IU School of Medicine. His recruitment to IU was supported by resources from the Physician Scientist Initiative, which was funded by the Lilly Endowment.

A faculty member in the field of pediatric infectious diseases and section chief of pediatric disease in the Department of Pediatrics, Dr. John investigates malaria immunoepidemiology, the pathogenesis of severe malaria and interactions between malaria and other disease states, such as iron deficiency and sickle cell disease. His lab conducts research at IU, Uganda with Makerere University and Kenya with the Kenya Medical Research Institute and Maseno University. He earned his medical degree, as well as a bachelor's degree in pre-medicine, from the University of Michigan in Ann Arbor, Mich., and a master's in epidemiology from Case Western Reserve University in Cleveland, Ohio, where he also served a fellowship in Pediatric Infectious Diseases Fellowship at Rainbow Babies & Children's Hospital. He served his residency in internal medicine and pediatrics at the University of Michigan.

The Ryan White Professorship in Pediatrics was established by the Riley Memorial Association, now the Riley Children's Foundation, to benefit the Section of Pediatric Infectious Diseases in the Department of Pediatrics. The professorship is named in honor of a patient at Riley Hospital for Children at IU Health who became nationally known for his fight against hemophilia, and later the ravages of Acquired Immune Deficiency Syndrome (AIDS), and who spent his last days at the hospital after seven years of treatment.

The first holder of the professorship was Martin B. Kleiman, M.D.

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Kathy Miller named Ballvé Lantero Chair in Oncology

Kathy D. Miller, M.D., has been named the second holder of the Ballvé Lantero Chair in Oncology, effective Feb. 3, pending Board of Trustees approval.

Dr. Miller's title of Ballvé Lantero Scholar in Oncology will be changed to Ballvé Lantero Professor of Oncology. She will also retain her current title of professor of medicine.

An IU faculty member in the field of oncology and a member of the Indiana University Melvin and Bren Simon Cancer Center, Dr. Miller specializes in the research and treatment of breast cancer, including testing therapies through clinical trials of new chemotherapy agents, including anti-angiogenic agents that reduce the blood supply to tumors. She earned her medical degree from Johns Hopkins School of Medicine, where she also served a residency in internal medicine, and served a fellowship in hematology/oncology at the IU School of Medicine. She also holds a bachelor's degree in biology from the University of Miami.

The Ballvé Lantero Chair in Oncology was established by the Ballvé Lantero family in 1996 to honor the memory of Jose Luis Ballvé, whose life was an example of good work and good deeds and who was treated for cancer at the IU Medical Center. During his lifetime, Ballvé showed special interest in helping highly talented individuals and those whose disabilities demanded the most attention. His family established an endowment to allow its beneficiaries to follow paths of investigation and dedication, particularly in the area of cancer research.

The first holder of the Chair was George W. Sledge, Jr., M.D.

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Opportunities

RESPECT Center annual conference -- registration due Feb. 20

The IUPUI **RESPECT Center** will host a conference for health care clinicians and researchers focused on best practices in palliative and end-of-life care from 8 to 4 p.m. Friday, March 6, at the Ritz Charles in Carmel.

The keynote speaker for "Let's Talk Palliative Care: Comprehensive Care for Seriously Ill Patients, their Families and their Care Providers" will be William Breitbart, M.D., Jimmie C. Holland Chair in Psychiatric Oncology at the Memorial Sloan-Kettering Cancer Center and professor of clinical psychiatry at Weill Medical College of Cornell University.

IU School of Medicine presenters include Ella Bowman, M.D., Ph.D., assistant professor of clinical medicine; Shelley Johns, Psy.D., assistant professor of medicine; Karen Moody, M.D., associate professor of clinical pediatrics; and Greg Sachs, M.D., co-director of the RESPECT Center and professor of medicine and neurology. Dr. Moody also serves director of pediatric palliative care at Riley Children's Hospital at IU Health.

The IUPUI Research in Palliative & End-of-Life Communication & Training Center aims to create a collaborative, interdisciplinary scientific community of researchers and clinicians to work together to advance the science of communication in palliative and end-of-life care across the lifespan.

Poster applications will be accepted until 5 p.m. **Friday, Jan. 30**. Event registration is due **Friday, Feb. 20**. Cost is \$150 for physicians and nurse practitioners; \$100 for healthcare professions. To register or

apply, [visit the conference's website](#).

This event is eligible for up to six AMA PRA Category 1 Credits.

Questions to Laura Holtz at respectc@iupui.edu or 317-274-9114.

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GLUE grants seek to connect experts across campuses -- letters of intent due Feb. 20

A new joint grant initiative between the Indiana Clinical and Translational Sciences Institute and Office of the Provost at IU Bloomington is currently seeking applications.

The IU Grant Linking University-wide Expertise, or GLUE, Awards will provide up to \$100,000 to support the cross-campus development of multi-investigator and/or multi-project translational research teams that aim to submit multi-year extramural grant applications with annual budgets of \$500,000 or higher. For example, NIH Project Planning Grants, "U series" grants, multi-PI R01s, Small Business Technology Transfer grants or Specialized Programs of Research Excellence grants.

Proposed projects should bring together two or more scientific teams who will develop appropriate administrative and technical "core" supports. Projects at any stage of their development will be accepted for review.

Eligible applications must include a full-time, tenure track a primary investigator from IU Bloomington. Other team members should be from IUPUI or the IU School of Medicine. Team members from other CTSI partner institutions (Purdue or Notre Dame) also will be considered.

Applications are due online **4 p.m. Friday, Feb. 20**. Complete applications are due **Friday, March 20**. To apply, [visit the Indiana CTSI website](#) and log in using your institutional username and password.

Questions to Anne Nuygen (IUPUI) or Yvonne Lai (IU Bloomington) at ictsi@indianactsi.org.

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Renal Imaging Technology Development Program applications due March 2

Applications are sought for the Renal Imaging Technology Development Program, or RITDP, coordinated through the IUPUI Research Center for Quantitative Renal Imaging.

Proposals should address research associated with the development of new, innovative, renal imaging-related technologies (i.e., any technology associated with the acquisition of images, display of image information, or quantitative analyses of the information contained within an image) that will enhance the diagnosis of kidney diseases and the evaluation of the efficacy of therapeutic interventions.

A total of \$45,000 from the RITDP is available to fund meritorious proposals. Although there is no specific limit for the total proposed budget (up to \$45k), it is strongly recommended the maximum total budget for the submitted proposal not exceed the range of \$10k to \$15k. Proposed projects should not exceed one year.

Applications are due **5 p.m. Monday, March 2**. For more information on the RITDP program and complete application guidelines, [visit the IUPUI Research Center for Quantitative Renal Imaging website](#).

Questions to Mark Holland at renalimg@iupui.edu.

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Kudos

Einhorn, Hanna to be honored at Pacers game March 23

The Indiana Pacers will honor IU physician scientists Lawrence Einhorn, M.D., and Nasser Hanna, M.D., for their contributions to testicular cancer research during their game against the Houston Rockets on Monday, March 23.

The Indiana Heroes Award program presented by Citizens Energy Group serves as one of the premier community outreach programs of the Indiana Pacers. This program honors individual who have made an overwhelming impact on the lives of others, and who, through their commitment and humanitarian spirit, have make exceptional and lasting contributions to the community and state.

During the first timeout in the second quarter, Drs. Einhorn and Hanna will be honored at the center of the court. Dr. Einhorn is the Livestrong Foundation Professor of Oncology and professor of medicine at the IU School of Medicine. Dr. Hanna is associate professor of medicine at the IU School of Medicine. Both physicians are members of the IU Simon Cancer Center.

Doors open at 6 p.m. and tipoff is 7 p.m. at Bankers Life Fieldhouse. Tickets are \$16 for upper balcony, \$30 for lower balcony and \$75 for club level corner. To order tickets, visit [the Pacers website](#) and enter the code "Pacers."

Proceeds from ticket sales will go to testis cancer research at IU.

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