



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

Features

Past Issues

Subscribe

Contact

February 5, 2015



AMPATH receives \$1 million gift for  
new chronic disease center in Kenya



Two IUSM faculty named to IBJ's 40  
Under 40

## News to Use

IU launches certificate in innovation and implementation science

Indiana CTSI to offer new minor in clinical research

## Research News

\$2.2 million grant funds IU study of depression-cardiovascular disease link in

## HIV patients

### Student Showcase

Medical students teach local kids about dangers of drugs and alcohol

### Opportunities

Indiana Spinal Cord and Brain Injury Research Fund -- due Feb. 9

---

Society for Immunotherapy of Cancer accepting postdoc fellowship applications

---

Applications sought for new equipment, software purchases

---

Applications sought for use of core facilities

### Grants

Grants and Awards -- January 2015

### Kudos

Sundararajan honored by student honorary society

### Sound Medicine

Dealing with chronic health anxiety; heart disease in women; and crowdsourcing healthcare costs

### Events

2/12/2015

IU Health State of the System Address

---

2/13/2015

## Student Leadership Appreciation Reception

---

2/18/2015

## The Future of the Physician Innovator

---

3/6/2015

## Save the Date: Edward C. Moore Symposium on Excellence in Teaching

---

3/6/2015

## Let's Talk Palliative Care: Comprehensive Care for Seriously Ill Patients, Families and Care Providers

---

3/9/2015

## Third annual Children's Health Services Research Symposium

---

[View more events »](#)

## News to Use

### IU launches certificate in innovation and implementation science

IU is recruiting participants for the nation's first graduate-level **certificate in innovation and implementation science program**.

The nine- to 12-month program, which blends part-time online instruction with one-weekend-per-month classroom instruction in Indianapolis, starts in September.

Sweeping reform and complex market forces are transforming the way health care is delivered and managed in the United States. Until now, the training needed to prepare physicians, nurses, administrators and others who work in health care to spearhead these changes has not existed.

The new certificate program will provide working clinicians and health care administrators with the skills needed to coordinate care and deliver population health management to improve health outcomes at a lower

cost and applied knowledge on how to successfully identify, implement, localize, evaluate and scale up evidence-based practices -- as well as innovate and invent new models of care and processes, when evidence-based practices do not exist.

The Center for Health Innovation and Implementation Science -- funded by the IU School of Medicine and the Indiana Clinical and Translational Sciences Institute -- will provide certificate program participants with the theoretical knowledge and practical elements required to create effective health care catalysts capable of delivering, sustaining and constantly improving the health care systems and the care they deliver.

Students in the program are required to have at least two years of health care work experience and a bachelor's degree.

For more information, including an [online application](#), visit the [CHHS website](#).

[BACK TO TOP ▲](#)

---

## Indiana CTSI to offer new minor in clinical research

IU will offer a [new minor in clinical research](#) for Ph.D. students starting spring 2015.

The minor program will be offered through the Indiana Clinical and Translational Sciences Institute's CERT program, or Career development, Education and Research Training.

The program is designed to provide students pursuing a doctorate with an overview of clinical research concepts and skills, including clinical research methodology, clinical trials, research ethics and biostatistics.

The minor's requirements include a total of 12 credit hours, including nine credit hours of core courses and three elective credit hours in coursework focused on a specific area of interest. Eligible electives include courses focused on grant writing, biostatistics in public health, patient-reported outcomes and economic evaluation, fundamentals of epidemiology, tools and techniques for translational research and critical inquiry health sciences.

Core and elective courses offered under the minor are provided in collaboration with the IU Graduate School, IU Richard M. Fairbanks School of Public Health and IU School of Health and Rehabilitation Sciences at IUPUI.

The director of the minor program is Kurt Kroenke, M.D., IUPUI Chancellor's Professor and professor of medicine at the IU School of Medicine, who also serves as director of CERT. Established with the foundation of the Indiana CTSI in 2008, the CERT program developed from the [Clinical Investigator Training Enhancement program](#) established at the IU School of Medicine through an award from the National Institutes of Health in 2000. The program, which gained an increased focus on clinical and translational research under the Indiana CTSI, also offers master's degree and certificate programs in clinical research, and [a master's degree, minor and certificate program in translational science](#).

R. Mark Payne, M.D., professor of pediatrics and of medical and molecular genetics, serves as director of the translational medicine programs. Dr. Kroenke is also director of the masters and certificate programs in clinical research.

The Indiana CTSI program also houses the Indiana CTSI Young Investigator Awards, pre- and post-doctoral training awards programs, and a structured mentorship program.

[BACK TO TOP ▲](#)

## Research News

### \$2.2 million grant funds IU study of depression-cardiovascular disease link in HIV patients

An IU School of Medicine infectious disease specialist and two colleagues have received a \$2.2 million National Institutes of Health grant to investigate links between depression, its treatment and cardiovascular disease in adults with HIV. With the success of antiretroviral therapy, cardiovascular disease is now the leading cause of death in HIV-infected adults.

Samir Gupta, M.D., associate professor of medicine at the IU School of Medicine; clinical health psychologist Jesse Stewart, Ph.D., associate professor of psychology in the School of Science at IUPUI; and internist Matthew Freiberg, M.D., associate professor of medicine at the Vanderbilt University School of Medicine, are co-investigators for the four-year National Heart Lung and Blood Institute grant which supports two research projects.

The first is an observation study of 1,525 HIV-infected adults from the national Veterans Aging Cohort Study. To examine how depression may increase the risk of cardiovascular disease in HIV-infected individuals, the investigators will test whether depression is associated with high blood levels of inflammatory and clotting proteins that are known to predict future heart attacks. They will also test whether depressed adults treated with antidepressants or psychotherapy have lower levels of these proteins than those who did not receive treatment for their depression.

The second project explores whether depression treatment could be effective in reducing the risk of cardiovascular disease in HIV-infected adults. In a randomized controlled trial of 110 depressed adults treated with antiretroviral therapy, half will receive usual depression care while the others will also receive an evidence-based, computerized, cognitive-behavioral therapy for depression called Beating the Blues, used by England's National Health Service and recently adapted for use in the U.S. In previous work, Stewart and his collaborators have validated this computerized psychotherapy for depression, which can be confidentially and inexpensively administered.

Depression is common among HIV-infected patients, with rates ranging from 20 to 40 percent. Cognitive-emotional symptoms of depression include sadness and loss of interest or pleasure. Fatigue, appetite changes and sleep disturbance are among the physical symptoms.

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

[BACK TO TOP ▲](#)

## Student Showcase

### Medical students teach local kids about dangers of drugs and alcohol

IU School of Medicine students recently paid a visit to Francis Scott Key Elementary School (IPS 103) to help educate children about the dangers of drugs and alcohol.

The [Adolescent Substance Abuse Program](#) a part of the IUSM [Office of Medical Service Learning](#), provided an hour-long education program Jan. 29 to students at IPS 103 in coordination with the Boys and Girls Club of Indianapolis, which provides after-school programming at the school.

The program's most unique aspect is the visual aids used to education children about the body: real, plasticized human organs.

"The fact they get to handle real human organs during the lesson always sparks some fun conversation and reactions," said Anna Gaddy, a third-year medical student at the IU School of Medicine and coordinator for the Adolescent Substance Abuse Program. "The kids get to learn about the human body, the negative consequences of drugs and alcohol, and get tips on how to avoid drugs."

About 50 children participated in the event, with students rotating through a series of four smaller groups during the hands-on portion of the event. Each station focused on a single organ: lungs, liver, heart and brain.

ASAP's next educational event will take place on Feb. 17.

[BACK TO TOP ▲](#)

## Opportunities

### Indiana Spinal Cord and Brain Injury Research Fund -- due Feb. 9

Applications for the [Indiana Spinal Cord and Brain Injury Research Fund](#) are due **5 p.m. Monday, Feb. 9.**

The fund is a state grant program established in 2007 to support research related to treatment and cure of spinal cord and brain injuries. Proposals should be related to research on the prevention, treatment and cure of spinal cord and brain injuries, including acute management, medical complications, rehabilitative techniques and neuronal recovery.

Eligible applicants must be based in Indiana and have the education, skills, knowledge and resources necessary to carry out the proposed research. (This includes public and private universities, nonprofit organizations and business.) Collaborations are encouraged with Indiana-based researchers as well as researchers located outside the state of Indiana, including researchers in other countries.

The maximum requested amount per application should not exceed \$80,000 per year for up to two years (\$160,000 maximum). Proposed projects should not exceed two years.

Complete application guidelines are online. To apply, [visit the Indiana CTSI grants portal](#) and enter your institutional username and password. Applications instructions are located under "Indiana Spinal Cord and Brain Injury Research Fund Grant - 2015.02 (SCBI)."

Questions to Julie Driscoll at [ictsi@iu.edu](mailto:ictsi@iu.edu).

[BACK TO TOP ▲](#)

---

### Society for Immunotherapy of Cancer accepting postdoc fellowship applications

The Society for Immunotherapy of Cancer is accepting applications for the 2015 postdoctoral fellowship in cancer immunotherapy in partnership with Merck.

The Society for Immunotherapy of Cancer-Merck Cancer Immunotherapy Clinical Fellowship Award will provide funding support in the amount of \$100,000 for one year of salary, equipment, supplies and fringe benefit support to a young investigator. The award also includes travel support to attend an upcoming Society for Immunotherapy of Cancer Annual Meeting and the opportunity to present their work to the cancer immunotherapy community at this venue.

Applications will be accepted until **Monday, March 9**.

For more information, visit the [Society for Immunotherapy of Cancer website](#).

[BACK TO TOP ▲](#)

---

## Applications sought for new equipment, software purchases

The Indiana Clinical and Translational Sciences Institute is seeking applications from core facilities at the IU School of Medicine for the purchase of new equipment, software or other resources.

Only Indiana CTSI-designated cores are eligible to apply. Applicants may request anywhere from \$5,000 to \$100,000. Proposals for equipment costing more than \$100,000 will be entertained if matching funds to cover the balance are identified.

Competitive applications will be those that bring new technology and services to Indiana CTSI investigators; expands existing services or contributes to the strategic research mission of the institution.

Indiana CTSI-designed cores are scientific resources certified by the CTSI for high-quality service, including established policies for project prioritization, confidentiality, pricing, conflict resolution and tracking user satisfaction.

Applications are due **5 p.m. Friday, March 20**. For more application information, or to apply, visit the Indiana CTSI [grants portal](#) and enter your IU username and password. Applications instructions are located under "Indiana CTSI/IUSM Core Equipment Funding - 2015.03 (COREQ)."

For more information, contact Lilith Reeves at [ictsi@iu.edu](mailto:ictsi@iu.edu).

[BACK TO TOP ▲](#)

---

## Applications sought for use of core facilities

Applications are sought to access advanced technologies and expertise at service cores across IU, Purdue University and the University of Notre Dame.

Indiana Clinical and Translational Sciences Institute Core Pilot Grants provide up to \$10,000 for the advancement of basic science projects through support from one of [48 Indiana CTSI-designed cores](#). Indiana CTSI-designed cores, which span the CTSI's partner institutions of IU, Purdue and Notre Dame, are scientific resources certified by the CTSI for high-quality service, including established policies for project prioritization, confidentiality, pricing, conflict resolution and tracking user satisfaction.

Proposed projects must possess high potential for generating new intellectual property or extramural grant support. Applications should clearly describe how support from the Indiana CTSI will either "jump-start" a

new project or strengthening a planned or pending grant submission.

Eligible applicants include faculty members at IU, Purdue and Notre Dame.

Applications are due **Monday, March 30**. Complete guidelines and application forms are available for download from the **Indiana CTSI grants portal**. Applicants must log in using their institutional username and password. Application instructions are under "Pilot Funding for Research Use of Core Facilities -- 2015.03 (PCF)."

Questions to [ictsi@iu.edu](mailto:ictsi@iu.edu).

**BACK TO TOP ▲**

Grants

Grants and Awards -- January 2015

IU School of Medicine researchers earned more than \$6.7 million in grants and awards -- excluding commercial projects -- in January 2015:

Investigator	Sponsor	Type	Project Title	Begin Date	End Date	Awarded Dollars
Costantine Albany, M.D.	Dartmouth College	New	DNA methylation inhibitor therapy for testicular germ cell tumors	1/15/2015	1/14/2016	\$28,724
Jeffrey Owen Anglen, M.D.	Johns Hopkins University	New	Improving Pain Management and Long Term Outcomes Following High Energy Orthopedic Trauma (PAIN Study)	7/21/2014	9/28/2015	\$71,250
Gustavo A. Arrizabalaga, Ph.D.	American Heart Association-Greater Midwest Affiliate	New	Dissecting the unique process of mitochondrial remodeling in the heart parasite Toxoplasma	1/1/2015	12/31/2015	\$46,796
Matthias A. Clauss, Ph.D.	U.S. Department of Veterans Affairs	New	Interagency Personnel Agreement - Linden Green	10/1/2014	9/30/2015	\$63,338
Timothy W. Corson, Ph.D.	Retina Research Foundation	New	Synergistic effects of a novel antiangiogenic	1/1/2015	12/31/2015	\$25,000

			molecule			
David W. Crabb, M.D.	National Institute on Alcohol Abuse and Alcoholism	Renewal	Center on Genetic Determinants of Alcohol Ingestion and Responses to Alcohol	12/1/2014	11/30/2015	\$1,558,565
Theodore R. Cummins, Ph.D.	Dravet Syndrome Foundation	New	Targeting resurgent sodium currents for treatment of Dravet syndrome.	1/1/2015	12/31/2015	\$75,000
Linda A. DiMeglio, M.D.	University South Florida	New	Diabetes TrialNet Data Coordinating Center	8/4/2014	4/30/2015	\$480,610
Molly Duman Scheel, Ph.D.	National Institute Allergy and Infectious Diseases	New	Cis-regulatory element discovery in a sequenced mosquito genome	1/15/2015	12/31/2015	\$234,000
Jeffrey S. Elmendorf, Ph.D.	American Diabetes Association	New	Mechanisms of membrane cholesterol accumulation and insulin resistance	1/1/2015	12/31/2015	\$103,500
Tatiana M. Foroud, Ph.D.	Michael J Fox Foundation For Parkinsons Research	New	LRRK2 AJ Closed and Ongoing Sample Collections	1/1/2015	12/31/2015	\$166,842
Tatiana M. Foroud, Ph.D.	University of Massachusetts	New	Genomic Analysis of Parkinson's Disease	9/30/2014	7/31/2015	\$157,315
Patrick T. Fueger, Ph.D.	American Heart Association-Greater Midwest Affiliate	New	Control of hepatic metabolism by the dynamic expression of the EGFR inhibitor Mig6	1/1/2015	12/31/2015	\$26,000
Haitao Guo, Ph.D.	National Institute Allergy and Infectious Diseases	New	Molecular Mechanisms of ZAP/ISG20 mediated HBV RNA Decay	12/1/2014	5/31/2015	\$234,000
Samir Kumar Gupta, M.D.	National Heart, Lung And Blood Institute	New	HIV, Depression, and Cardiovascular Risk	9/19/2014	8/31/2015	\$741,170

Tsuyoshi Imasaki, Ph.D.	Japan Science and Technology Agency	New	Structure determination of Mediator CDK module	10/1/2014	3/31/2015	\$54,167
Myda Khalid, M.D.	Nationwide Children's Hospital	New	Integrative Proteomics & Metabolomics for Pediatric Glomerula Disease Biomarkers	6/1/2014	5/31/2015	\$9,705
Kurt Kroenke, M.D.	Patient-Centered Outcomes Research Institute (PCORI)	New	Incorporating PROMIS Symptom Measures into Primary Care Practice	12/1/2014	11/30/2015	\$341,425
Daniel E. Rusyniak, M.D.	American College of Medical Toxicology	New	ToxIC IN3 Registry	12/19/2014	9/30/2015	\$4,500
Andrew J. Saykin, O.D.	University of Washington	New	Genetic Architecture of Memory and Executive Functioning in Alzheimer's Disease	9/1/2014	6/30/2015	\$101,225
Peter H. Schwartz, M.D., Ph.D.	Patient-Centered Outcomes Research Institute (PCORI)	New	Describing the Comparative Effectiveness of Colorectal Cancer Screening Tests: The Impact of Quantitative Information	1/1/2015	12/31/2015	\$476,830
Anantha Shekhar, M.D., Ph.D.	Stanford University	New	Neuronal Mapping of Anxiety and Panic	7/22/2014	6/30/2015	\$55,293
William J. Sullivan, Ph.D.	PhRMA Foundation	New	Regulators of parasite autophagy as novel drug targets for infectious disease	1/1/2015	12/31/2015	\$20,000
Yang Sun, M.D., Ph.D.	E. Matilda Ziegler Foundation For The Blind	New	2014 E. Matilda Ziegler Award Application	1/1/2015	12/31/2015	\$80,000

Debbie C. Thurmond, Ph.D.	American Heart Association-Greater Midwest Affiliate	New	Regulation of Glucose Homeostasis by PAK1 protein	1/1/2015	12/31/2015	\$26,000
Stephanie Ware, M.D., Ph.D.	Wayne State University	New	Genotype-Phenotype Associations in Pediatric Cardiomyopathy	8/10/2014	3/31/2015	\$780,365
Sarah Elizabeth Wiehe, M.D.	National Institute Allergy and Infectious Diseases	New	The HIV Care Continuum Among Recent Offenders	1/1/2015	12/31/2015	\$538,896
X. Frank Yang, Ph.D.	National Institute Allergy and Infectious Diseases	New	Cyclic di-GMP-dependent regulation of metabolism and virulence in <i>Borrelia burgdorferi</i>	1/15/2015	12/31/2015	\$240,750
Baohua Zhou, Ph.D.	National Institute Allergy and Infectious Diseases	Renewal	TSLP in Th2 Immunity and Allergic Airway Inflammation	1/1/2015	12/31/2015	\$390,000

[BACK TO TOP ▲](#)

## Kudos

### Sundararajan honored by student honorary society

Raji Sundararajan, M.D., clinical assistant professor of Medicine at the IU School of Medicine-South Bend, is recipient of the annual Alpha Omega Alpha Volunteer Clinical Faculty Award by the Indiana University Chapter for her work with South Bend campus students.

The annual award recognizes a community physician who contributes to the education and training of medical students. Nomination forms were distributed to the entire junior and senior medical student classes with final voting by the student Alpha Omega Alpha's members.

Dr. Sundararajan has been on the South Bend faculty since 2009. She serves as course director of Introduction to Clinical Medicine, a second year course focusing on physical examination and introducing systems-based medicine.

She is an emergency physician at Memorial Hospital of South Bend. She will be honored during the Alpha

Omega Alpha annual ceremony on Feb. 27 in Indianapolis.

[BACK TO TOP ▲](#)



Copyright © 2015 The Trustees of Indiana University, Copyright Complaints

[Privacy Notice](#)