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IUSM receives \$25 million NIH translational sciences grant

Leaders of Indiana and Purdue universities Thursday announced the creation of the Indiana Clinical and Translational Sciences Institute (CTSI), a medical research initiative that will combine the strengths of the universities, business and government to swiftly transform discoveries into better patient care and business opportunities.

The National Institutes of Health has awarded a five-year Clinical and Translational Science Award (CTSA) of \$25 million to the IU School of Medicine, which will fund CTSI activities at IU and Purdue. A total of \$56 million will be invested in the Indiana CTSI by IU and Purdue, the state of Indiana and Eli Lilly and Co., which is underwriting the cost of a senior faculty position for three years.

The NIH created the clinical and translational science awards as a high priority effort to improve the process by which basic science laboratory discoveries are transformed into new medical treatments and products – a process called translational research.

The CTSI will implement the NIH initiative in Indiana with new programs to accelerate translational research, train new translational researchers, interact with community health-care professionals and the public, build research resources and technologies, and leverage Hoosier resources with health care, business, government and foundation partnerships.

The Indiana CTSI's statewide collaboration involves university scientists in Indianapolis, Lafayette and Bloomington. However, the initiative also includes community partners such as Clarian Health, Eli Lilly and Co., BioCrossroads, Cook Group, Roche, WellPoint, the Indiana Economic Development Corp., the Indiana Department of Health and the Marion County Health Department.

Anantha Shekhar, MD, PhD, professor of psychiatry at IUSM and IU assistant vice president for life sciences, has been named director of the Indiana CTSI. Connie Weaver, PhD, head of the Department of Foods and Nutrition at Purdue, has been named deputy director of the CTSI at Purdue. Bennett Bertenthal, PhD, dean of the IU College of Arts and Sciences, has been named deputy director for the IU Bloomington campus.

For additional information about the program, see www.medicine.indiana.edu/news_releases/viewRelease.php4?art=877.

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Mirmira named director of pediatric diabetes group

Raghu Mirmira, MD, PhD, has been named the first Eli Lilly and Co. Investigator of Pediatric Diabetes and director of the Pediatric Diabetes Research Group at IUSM.

Dr. Mirmira's research focuses on how non-insulin producing cells in the body could be "reprogrammed" to produce insulin, and thereby serve as surrogate beta cells for individuals with diabetes. In addition to his scientific work, he will be seeing patients at Riley Hospital.

Dr. Mirmira has received the Physician Postdoctoral Fellowship Award from the Howard Hughes Medical Institute, a Research Career Award from the National Institutes of Health and the Thomas R. Lee Career Development Award from the American Diabetes Association. His research has been supported with awards from the National Institutes of Health and the Juvenile Diabetes Research Foundation.

He received his medical and doctoral degrees from the University of Chicago, and completed his residency in

medicine and subspecialty training in diabetes and endocrinology at the University of California at San Francisco. He is an editor of the scientific journal Diabetes and recently was one of nine medical researchers in the country to receive the Discovery Health Channel Medical Honors Award.

Dr. Mirmira came to IU from the University of Virginia, where he was associate professor of medicine, endocrinology and metabolism.

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IUSM faculty members appointed to Institute for Advanced Study

Four IUSM faculty members have been named to three-year terms on the Board of Governors of the IU Institute for Advanced Study, with terms through June 30, 2011. The appointment was made by Karen Hanson, PhD, IU provost and executive vice president.

The four faculty members are: Richard Gunderman, MD PhD, vice chair and professor of radiology and professor of pediatrics, medical education, philosophy, liberal arts and philanthropy; Thomas Inui, MD, Sam Regenstrief Professor of Health Services Research and professor of medicine; Mark Pescovitz, MD, professor of surgery and microbiology and immunology; and Marie Swanson, PhD, MPH, associate chair and professor of public health.

Founded in 1982, the Institute for Advanced Study promotes the research and creative activity of IU faculty in all fields of study on all IU campuses.

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Doctor Camp 2008

The IUSM Office of Medical Service-Learning will sponsor the 9th annual Doctor Camp from 9 a.m. to 4:30 p.m. Friday, June 6, at the Daly Center. Last year, IUSM student volunteers hosted a record number of minority middle school youth from various metropolitan area schools.

During Doctor Camp, medical students conduct hands-on sessions and serve as "camp counselors" for the youth as they learn about science and various aspects of medicine including anatomy, radiology and pathology, and receive training on drug and substance abuse. This year a new feature will be a "tour" of an ambulance led by Wishard EMT volunteers. Patricia Treadwell, MD, associate OMSL director, will open the day by discussing careers in medicine with the middle school students.

This year Doctor Camp is being co-sponsored through the generous support of the Metropolitan Indianapolis Central Indiana Area Health Education Center (MICI-AHEC). On July 29, IUSM student volunteers will also participate in a new MICI-AHEC program called Camp Medical Detectives which is modeled after Doctor Camp and targets tenth-grade students. This year Doctor Camp is chaired by Aparna Raj, MS 4, Zach Tempel, MS 3, and Dracina Will, MS 2.

The Office of Medical Service-Learning promotes a lifelong commitment to community service through innovative service-learning experiences. Visit www.medicine.iu.edu/omsl for more information.

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DVD of Evening of the Arts available

A DVD of the 2008 Evening of the Arts program on Jan. 26 may be ordered now. The three-disc set that also includes a slideshow of pictures from the show at the end of the DVD. Each set is \$15.

If interested in purchasing the DVDs, place cash or check made out to "Evening of the Arts" in an envelope labeled with your name and the number of DVD sets you wish to purchase in Jennifer Phan's mailbox (MS3) in the basement of the MS building. Checks also can be mailed to:

Evening of the Arts
Indiana University School of Medicine - Medical Student Affairs
635 Barnhill Dr., Van Nuys Medical Science Bldg.
Indianapolis, IN 46202-5114

All orders must be received by **Monday, June 2**. DVDs will be available for pick-up in MS162 on Tuesday, June 17.

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Electronic Resources Class

New to the medical school? Or want an update on the newest electronic resources for research? Sign up for this 2-hour, hands-on class, "Locating and Using Electronic Resources." Learn how to find and effectively use library databases and Internet electronic resources.

The next class is from 2 to 4 p.m., Wednesday, June 4, in room 318 of the Medical Library. Attendance is limited and registration is required. To register, call or email Elaine Skopelja at 274-8358 or eskopelj@iupui.edu.

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Seminar addresses personnel problems in the lab

"Dealing with Personnel Problems in the Laboratory," a research faculty development seminar, will be from noon to 1:30 p.m. Wednesday, June 4, in room B11 of the VanNuys Medical Science Building. Polycom is available for the medical education centers. RSVP to maquarle@iupui.edu.

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NIH RCDC webinar

The National Institutes of Health is hosting a web-based videocast (webinar) introducing the new **R**esearch, **C**ondition, and **D**isease **C**ategorization (RCDC) system from 2 to 3 p.m. EDT Wednesday, June 11. This new computer-based tool will allow you to see how the NIH categorizes its research in nearly 360 categories representing research areas, diseases, and conditions.

In spring 2009, NIH will post the first RCDC reports from fiscal year 2008-funded research on a public website. For more information and updates, please visit rcdc.nih.gov.

RSVPs to the webinar are requested by **Friday, June 6**, to rcdcpublicinfo@mail.nih.gov. Capacity is limited by our web servers, so please respond early. Submit questions in advance to rcdcpublicinfo@mail.nih.gov.

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Dual Diagnosis: Nicotine Addiction and Mental Illness – June 12-13

Registration continues for the second annual National Conference on Dual Diagnosis Thursday and Friday, June 12-13, at the Eiteljorg Museum. “Nicotine Addiction and Mental Illness: Integrating Neurobiological, Psychiatric and Social Systems Perspectives” will feature nationally recognized multi-disciplinary speakers. The program is designed to develop a more in-depth and integrative understanding of the tremendous public health problem of tobacco use in persons with mental illness.

To register and view all information (including agenda and fees) for this conference, or to learn about all CME events sponsored by the Department of Psychiatry, see www.iupui.edu/~psycdept. Contact Kellie Hindman with any questions at kmhindma@iupui.edu.

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Neurology Department hosts first DeMyer Symposium

The IUSM Department of Neurology will host the inaugural Dr. William DeMyer Symposium on Friday, June 13, from 9 a.m. to noon in the Mills Atrium of the VanNuys Medical Science Building.

Named to recognize the influence of Dr. DeMyer on the importance of the neurological history and examination for the diagnosis and care of patients, the objectives of the course are to heighten awareness of neurology subspecialty developments in neuromuscular disease, movement disorders, peripheral neuropathy and neurogenetics.

CME credits are available. The deadline to RSVP is **Friday, June 6**. For information or to RSVP send email to neur@iupui.edu or call 274-8800.

Affymetrix Integrated Genomics Seminar June 24

The Center for Medical Genomics at IUSM is hosting an Affymetrix Integrated Genomics Seminar from noon until 2 p.m., Tuesday, June 24, in room B26 of the VanNuys Medical Science Building. The focus of this seminar is on combining measurements of gene variation and gene expression to discover genes underlying disease susceptibility.

Affymetrix genomics specialist Clint VanValkenburgh, PhD, will discuss “Integrated genomics strategies combining whole-genome mapping and expression data to streamline identification of genomic variations driving cancer, enhancing cellular sensitivity to chemotherapeutic agents, and regulating alternative splicing.”

Yunlong Liu, Ph.D., assistant professor of medicine in the Division of Biostatistics, will discuss “Exon-level analysis of gene expression” including bioinformatics approaches.

Affymetrix Field Application Specialist Kevin Breitbach will discuss “Chromatin Immunoprecipitation (ChIP) Experiments” including experimental design, front end set up, and troubleshooting on tiling arrays (ChIP-on-Chip) to study DNA sequences bound by regulatory proteins and identify sites of histone and DNA modification.

Howard Edenberg, PhD, Chancellor’s Professor, professor of biochemistry and molecular biology and director of the Center for Medical Genomics, will be available to discuss using the Center for Medical Genomics core facility for these studies. Lunch will be provided.

NIH bank collects, distributes hybridomas and monoclonal antibodies

The Developmental Studies Hybridoma Bank (DSHB), a non-profit national resource developed by the NIH, banks and distributes hybridomas and the monoclonal antibodies (mAbs) they produce at cost (e.g., \$25, rather than \$250 to \$700, per ml of supernatant, and \$135 rather than \$350 to \$450 for hybridoma cell lines). The collection primarily is against animal cell targets. Last year DSHB filled approximately 27,000 orders for hybridomas or antibodies worldwide. Recently we were selected to bank and distribute all of the hybridomas that will be produced by the National Cancer Institute Clinical Proteomic Diagnostics Initiative, an estimated 10,000 hybridomas.

The DSHB is not being utilized by all of the biologists who could benefit from it. Virologist or microbiologist can assist DSHB on a new mission to generate a second bank, the DSHB-Microbe, that will collect, maintain and distribute at cost hybridomas and their mAbs against antigens of viruses, bacteria, fungi and protozoa. The bank will provide relevant hybridomas and mAbs at a fraction of the commercial price while facilitating research on viruses and microbes, as the DSHB has done for animal cell research.

For more information, see dshb.biology.uiowa.edu or contact David R. Soll, director of Developmental Studies Hybridoma Bank, University of Iowa, 319-335-1117 or dshbmicrobe@uiowa.edu.

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Angel training

Training for Angel, the IUSM course management system, is available from the Medical Libraries. Departmental presentations and one-on-one or group training for faculty and staff are available. For information contact: Fran Brahma, fbrahmi@iupui.edu; Doug Bartlow, jbartlo@iupui.edu or Sue London, slondon@iupui.edu.

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Free workshops offered by Center for Teaching and Learning

The IUPUI Center for Teaching and Learning will offer three sets of two-day workshops on leadership, large lecture classes, and uses of assessment data. These programs are free and open to all faculty. For details, see ctl.iupui.edu.

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Faces of Cancer campaign to honor 10,000 people

During the grand opening of its new patient facility this summer, the IU Simon Cancer Center will honor 10,000 people who have been touched by cancer through its “Faces of Cancer” ribbon campaign. Please consider honoring or remembering someone affected by cancer by visiting the [Faces of Cancer](http://www.cancer.iu.edu/giving) Web page at www.cancer.iu.edu/giving. You may request as many ribbons as you would like and there is no cost to do so.

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Clarian blood drives in June

The next Clarian blood drive at the [Riley campus](#) is scheduled for Wednesday, June 11.

The next Clarian blood drive at the [IU campus](#) is scheduled for Thursday, June 5.

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Ronald McDonald House golf tournament fundraiser

On Thursday, June 5, the Ronald McDonald House of Indiana will hold its 22nd Annual *Pro-Am Golf Tournament* at Highland Golf & Country Club in Indianapolis.

The tournament is the biggest annual fundraiser for the Ronald McDonald House of Indiana. For more information about the Golf Tournament, contact Pam Anderson, RMH Events Manager at 269-2247 or panderson@rmh-indiana.org.

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Outrun the Sun Run/Walk

The 2008 Outrun the Sun Race against Melanoma run/walk will take place at IUPUI on Saturday, June 7, beginning at 7 p.m.

As part of its mission of supporting melanoma education and research, Outrun the Sun Inc. is working with the IUSM's Department of Dermatology to implement an enhanced dermatologic training program for all students. The goal is to ensure that IUSM graduates are trained to detect melanoma and other skin cancers since skin cancer is the No. 1 cancer in the United States and melanoma is on the rise in this country more than any other cancer.

To support melanoma research throughout the country, OTS offers its Melanoma Research Scholar Program, which is open to any melanoma investigator nationwide. Applications are accepted annually in April; the details are at www.outrunthesun.org or you can contact the OTS office at 253-2121.

Nominations sought for Life Sciences Champion of the Year Award

More than 275,000 Hoosiers work in the life sciences sector and thousands of others support the industry through research, philanthropy and complementary roles. Who is making the most positive impact on the growth of the state's life sciences sector? The inaugural [BioCrossroads Life Sciences Champion of the Year Award](http://www.biocrossroads.com/) (<http://www.biocrossroads.com/>) seeks to answer that question.

Nominations can be submitted at www.biocrossroads.com by Thursday, July 18. The awards will be presented at the Indiana Life Sciences Forum reception Oct. 20.

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This week on *Sound Medicine*

Tune in at 2 p.m. Sunday, June 1, to *Sound Medicine*, the award-winning weekly radio program co-produced by IUSM and WFYI Public Radio (90.1 FM) in Indianapolis. The program is hosted by Barb Lewis.

Guests will include Thomas Perls, MD, associate professor of medicine and geriatrics at Boston University, who is the founder and director of the New England Centenarian Study, the largest and most comprehensive study of individuals

who live past the age of 100 and their families. He's also involved in the Long Life Family Study, a National Institutes of Health-funded study of families with exceptional longevity. Reporter Colleen Iudice interviews an Indianapolis couple participating in the Long Life Family Study.

The term “brain food” takes on a new meaning when discussed by Donald Katz, PhD, an assistant professor of psychology and neurobiologist at Brandeis University. His research finds that when the brain determines that a particular food is bad, our emotions take over and make that food seem disgusting – a phenomenon called “taste aversion.”

The brains of young, heavy drinkers undergo change in ways similar to older people with alcohol-related dementia, according to a recent study. Although young drinkers typically do not exhibit outward signs of brain damage, the changes do appear on brain scans. Josephine Wilson, PhD, a professor at Wittenberg University in Ohio, explains her findings.

A recent interview about the increasing use of electro-convulsive therapy prompted Stephen Jay, M.D., a professor of public health at IUSM, to recall an experience from 1964 when he was a medical student. Dr. Jay spent several months at McGill University in Montreal, where he observed the results of a CIA-funded research program, called “MK-ULTRA,” which used shock therapy and LSD to counter the effects of brainwashing. Dr. Jay describes his recollections to Eric Meslin, Ph.D., director of the IU Center for Bioethics.

Archived editions of *Sound Medicine* as well as other helpful information can be found at www.soundmedicine.iu.edu. *Sound Medicine* is underwritten by the Lilly Clinic, Clarian Health, and IU Medical Group; Jeremy Shere's “Check-Up” is underwritten by IUPUI.

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Continuing Medical Education at your fingertips

Online registration and a list of grand rounds, conferences and courses are available on the Continuing Medical Education website at cme.medicine.iu.edu.

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Scientific Calendar online

A comprehensive listing on IUSM seminars, lectures and Grand Rounds can be accessed at [the new Scientific Calendar website](#). To place items on the Scientific Calendar, please forward them to Iona Sewell at imsewell@iupui.edu.

To access calendars and information prior to 2003, visit the old site [at www.medlib.iupui.edu/calendar](http://www.medlib.iupui.edu/calendar).

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Scope submission guidelines

Scope wants your news items.

The deadline for submission is 8:30 a.m. on Thursdays. *Scope* is published electronically and sent to faculty, staff, students, and residents.

There are three easy ways to submit story ideas or information to *Scope*:

- e-mail the information to mhardin@iupui.edu
- mail the information to Mary Hardin, Z-7, Ste. 306, IUPUI
- fax your information to (317) 278-8722

Contributions submitted by e-mail should be forwarded in 12 point, plain text format.

In the interest of accuracy, please do NOT use:

- acronyms
- abbreviations
- campus building codes (use full, proper name of building and include the room number)
- Dr. as a preface before names (designate MD or PhD)

To keep the electronic version of *Scope* as streamlined as possible, only seminars and lectures of general or multidisciplinary interest will be included.

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