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IU Imaging Center receives \$6 million grant

The IUSM Division of Nephrology has been awarded a five-year, \$6 million George M. O'Brien Kidney Research Center grant from the National Institutes of Health, one of just six such centers funded in the United States.

The grant recognizes the imaging technology and expertise that has been developed at IU using advanced light microscopy systems to conduct research in kidneys and other organs in vivo, said Bruce Molitoris, MD, chief of the nephrology division and director of the Indiana Center for Biological Microscopy.

The microscopy systems in conjunction with software designed at the center use fluorescent molecules to produce detailed quantitative three dimensional images of cells and to analyze activities in living cells within the body.

The school received its initial O'Brien Center grant of \$5 million in 2002.

Additional information, including images and videos, are available at the Indiana Center for Biological Microscopy web site at www.nephrology.iupui.edu/imaging/. For more information on the grant, see www.medicine.indiana.edu/news_releases/viewRelease.php4?art=737.

Volunteers needed for mock residency interviews

The Medical Student Affairs Office for the past few years has arranged mock videotaped interviews for fourth-year medical students to help them prepare for residency interviews. Students who have participated have been extremely enthusiastic about the opportunity to practice and to hear valuable feedback from faculty interviewers.

Volunteers are needed so the experience can be offered this year. Faculty and house staff familiar with the residency interviewing process are sought to conduct and critique the interviews. About 10 faculty or residents are needed for each date; the OSCE Center has the facilities to run 15 concurrent interviews. Volunteers would need to commit at least 2 hours during which they will conduct 20-minute interviews, each followed by an individual critique of the student's performance.

Keep in mind, more volunteers reduce the time commitment for each individual faculty member. Faculty from all disciplines are needed but no guarantees can be made that volunteers will be interviewing students interested in his or her specialty.

Tentative times for this project are 9 a.m. to 3 p.m. Wednesday, Sept. 19, and 9 a.m. to 3 p.m. Thursday, Oct. 11.

As soon as faculty interview schedules have been confirmed, fourth-year students will be invited to sign up on a first-come, first-served basis. Students will be required to submit residency application materials to MSA. Those materials will be forwarded, along with transcripts, to faculty interviewers for review prior to the interviews.

Faculty and house staff interested in volunteering or seeking more information should contact Carlene Webb-Burton at cwebbbur@iupui.edu, or 274-7173 .

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Faculty orientation and benefit enrollment

Human Resources Administration has an online orientation and benefit enrollment video for new faculty and other academic employees. New faculty have three options for receiving orientation and benefit enrollment information:

- Viewing the online video presentation
- Attending one of the faculty-specific sessions from noon to 1:30 p.m. Aug. 24 or Sept. 7 in the Union Building, north wing, room 340, or
- Attending one of the weekly benefits enrollment sessions scheduled for staff.

The online video is about 30 minutes in length and provides a step-by-step guide to enroll in the IU benefit plans. It can be accessed on the HR website at <http://www.hra.iupui.edu/>.

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Internal grant applications due Sept. 4

The application deadline for the IUSM internal grant programs – the Biomedical Research Grant and the Research Enhancement Grant – is 5 p.m. Tuesday, Sept. 4.

Applications must be submitted by the deadline to the Dean's Office of Operations, School of Medicine, Gatch Clinical Building, room 365. Instructions and forms may be downloaded from the web at adminfinance.iusm.iu.edu/operations/irf.htm.

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IUPUI Research Support Funds applications due Oct. 15

The IUPUI Research Support Funds Grant program is designed to enhance the research mission of IUPUI by supporting research projects and scholarly activities that are sustainable through external funding.

The IUPUI International Development Fund Grant program is designed to stimulate international activities that will lead to external funding.

The deadline for both grant applications is **Monday, Oct. 15**. Grant guidelines and application forms are available under International Development Fund at www.iupui.edu/~resgrad/spon/funding-university.htm. Questions can be directed to Etta Ward at emward@iupui.edu or (317)-278-8427.

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Applications for signature center funding due Oct. 5

Uday Sukhatme, executive vice chancellor and dean of the faculties at IUPUI, has announced a request for submissions for a second round of funding for Signature Centers.

The Signature Center Initiative was begun last year in an effort to create strong research units that are uniquely identifiable with IUPUI. Signature Centers are an integral part of the Academic Plan for IUPUI, because they will lead the way in world-class research and creative activities that will substantially enhance IUPUI's reputation.

A call for proposals in the fall of 2006 resulted in a total of 19 project proposals selected for support. Summaries of these Signature Center projects can be read at www.iupui.edu/news/releases/070118_signature_centers.htm.

It is expected that approximately seven projects will be supported in this round. The proposed projects may be entirely new, but proposals which were not funded in the first round also may be resubmitted, after suitable revisions have been made to update the proposals and address reviewer comments.

The main characteristics expected of successful Signature Center proposals are:

A signature center is a research unit distinctly identifiable with IUPUI. In addition to representing an area of research strength, the center will usually build on some ongoing activities and have many of the following attributes.

- Signature Centers will often be interdisciplinary in character.
- They should have the capacity to attract significant external funding as appropriate to the

disciplines involved, including federal grants and foundation support.

- The centers need to bring academic distinction to the campus. After initial campus-based seed funding, they should become largely self-sufficient in a 3- to 5- year time frame.
- The work of the center should be unique and distinctive, something which makes it stand out. It should not focus on an area commonly studied at many other universities, although collaborations with other institutions may be desirable.
- The center should engage in work which takes advantage of the urban location in Indianapolis and establish partnerships with local community and cultural organizations.

The deadline for proposals is 5 p.m. **Friday, Oct. 5** .

Proposals must be submitted electronically [in one PDF document] or in hard copy to the Office of Operations, Clinical Building, Room 365, or to Dr. Sukhatme's assistant:

Sue Herrell
Office of Academic Affairs
355 North Lansing Street, AO 126
Indianapolis, IN 46202-2896
317-274-4477; sherrell@iupui.edu

For more information, see adminfinance.iusm.iu.edu/operations/Signature%20Centers.htm.

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Graduate fellowships awarded in translational research

For the second year, the Graduate Division hosted a competition for graduate student fellowships in translational research to promote collaborations between clinical and basic faculty.

This year's award recipients are Lan Huang (Biochemistry and Molecular Biology), Rachel Mullen (Biochemistry and Molecular Biology), Zachary Neeb (Cellular and Integrative Physiology), Joshua Salter (Microbiology and Immunology), and Reina Watanabe (Cellular and Integrative Physiology).

To be eligible, students must write a proposal describing how they will incorporate translational research into their training program. They also must add a practicing physician to their advisory committee and develop a plan with that physician to actively consider applications of the student's research in the clinic.

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Medical History Museum opens new exhibit

The Indiana Medical History Museum is opening its newest exhibit "Anatomically Speaking: Art, Anatomy and Medical Illustration" on Aug. 23. The exhibit will include original works of Adrian Stanley from her collection titled "Anatomically Lacking" and various reproductions from the *De Humani Corporis Fabrica* by Andreas Vesalius. Vesalius (1514-1564) was an anatomist whose dissections and descriptions of the human body helped correct old misconceptions about anatomy.

A free public program at 7 p.m. Aug. 23, also titled "Anatomically Speaking," will feature local artist Adrian Stanley and Gary Schnitz, chief medical illustrator for the *Journal of the American Society for*

Surgery of the Hand. Schnitz will discuss the works of Vesalius and modern medical illustration. His work will also be in the exhibit which will run from through Oct. 13. The exhibit will be included as part of the regular admission to the museum.

The Indiana Medical History Museum, 3045 W. Vermont St., is housed in the Old Pathology Building on the grounds of the former Central State Hospital. It is open from 10 a.m. to 4 p.m. Thursday through Saturday, with the last tour beginning at 3 p.m., and by appointment on Wednesday. Admission is \$5 for adults, \$3 for university students, and \$1 for children. For more information about the museum or to arrange a group tour, call 635-7329, or visit the museum's website at <http://www.imhm.org/>.

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Silent auction benefit planned

A silent auction will be conducted to benefit the Matthew Payne Education Fund in memory of his mother Rebecca Payne, the business manager for the Division of Nephrology who died April 5. Ceramics and hand-crafted jewelry will be for auction in Emerson Hall, room 317, the Department of Medicine's Chairman's Office, from 1 to 7 p.m. Aug. 21, and from 8 a.m. to noon, Aug. 22.

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Honors

D. Craig Brater, MD , IUSM dean and IU vice president with responsibility for life sciences, has been selected as the recipient of the Indiana Public Health Foundation's 2007 Lifetime Achievement Award for Distinguished Service in Health Advancement. The award will be presented at the Hulman Health Achievement Awards dinner in October.

Malaz Boustani, MD, MPH, has been presented the Paul B. Beeson Career Development Award in Aging Research Scholar from the American Federation for Aging Research, the Atlantic Philanthropies, the John A. Hartford Foundation, and the National Institute on Aging. An IU Center for Aging Research and Regenstrief Institute, Dr. Boustani will receive a \$700,000 award to study cognitive impairment in hospitalized elderly and how that puts them at risk for medical errors.

Steven Counsell , MD , Mary Elizabeth Mitchell Professor of Geriatric Medicine at IUSM, was honored as the recipient of the 2007 American Geriatrics Society Dennis W. Jahnigen Memorial Award at the AGS Annual Meeting. The award is given annually to an AGS member who has provided leadership to train students in geriatrics and has contributed significantly to the progress of geriatrics education in health professions schools.

Joseph Dynlacht, PhD, has been invited to serve as a member of the Radiation Therapeutics and Biology Study Section, National Institutes of Health Center for Scientific Review. His term ends in June 2010. Dr. Dynlacht is an associate professor of radiation oncology and of biochemistry and molecular biology.

Dean Maglinte, MD, IU professor of radiology, has been selected by the Society of Gastrointestinal Radiologists to receive the Walter B. Canon Medal for 2008. This award is given to a society member who has made significant contributions to the science of gastrointestinal imaging. He was named the Richard Marshak International Lecturer by the same society in 2007.

Alexander (Bob) Niculescu, MD, assistant professor of psychiatry, has been named the 2007 recipient of the Theodore Reich Young Investigator Award of the International Society of Psychiatric Genetics. The award will be presented at the annual World Congress of Psychiatric Genetics in New York in October. The award is presented to an investigator younger than 40 who has made significant contributions to the field. Dr. Niculescu was honored for his work in developing convergent functional genomics, which utilizes gene expression results in animal models, human linkage data, and postmortem brain studies to prioritize candidate genes for complex disorders. Dr. Niculescu also has been invited to chair a symposium at the Congress entitled “Overlap among psychotic disorders.”

Attaya Suvannasankha, MD, has been selected by the Multiple Myeloma Research Foundation as a 2007 MMRF Fellows Award recipient. Dr. Suvannasankha’s proposal was rated among the top by a panel of expert reviewers participating in the MMRF grant review process that meets the same rigorous scientific standards that the NCI applies to its own research grant review process.

Riley Hospital for Children has received the Excellence in Life Support Award from the Extracorporeal Life Support Organization, an international association of centers offering ECMO for support of failing organ systems in infants, children and adults. The award recognizes centers that demonstrate an exceptional commitment to evidence-based processes and quality measures, as well as staff training, continuing education, patient satisfaction and ongoing clinical research.

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This week on *Sound Medicine*

Tune in at 2 p.m. Sunday, Aug. 19, to *Sound Medicine*, the weekly radio program co-produced by IUSM and WFYI Public Radio (90.1 FM) in Indianapolis. The program is hosted by Barb Lewis.

This week on *Sound Medicine*, Michelle Bloch, medical officer for the National Cancer Institute’s Tobacco Control Research Branch, will discuss what anti-smoking advocates say is the marketing program behind Camel cigarette’s new Camel No. 9, a product aimed at women smokers.

Jed E. Rose, PhD, director of the Duke Center for Nicotine and Smoking Cessation Research, will concentrate on brain scans of smokers and what nicotine triggers in the brain.

NPR *Morning Edition*’s Allison Aubrey will discuss summer heat and dehydration.

Lyme disease and other diseases shared with humans by blood-sucking insects, such as ticks, will be the topic of Tom Mather, a professor of entomology at the University of Rhode Island.

And, on a sweeter note, *Sound Medicine*’s Colleen Iudice will go trans-fat free at the Indiana State Fair but will indulge in a 420-calorie treat – a deep-fried Twinkie. Indiana’s fair is the first state fair to eliminate trans fats in the cooking oils used for those much sought after fair foods.

Archived editions of *Sound Medicine* as well as other helpful information can be found at <http://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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