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- [Dignitaries to attend IUSM Research Institute groundbreaking](#)
- [Wishard ambulance crews 'at work' on national television](#)
- [Practicing medicine at one's best, topic of seminar](#)
- [Med student lead author for journal article](#)
- [Combined Seminar Series, November schedule](#)
- [Updated bibliographic database online](#)
- [Copyright resources for electronic materials](#)
- [Submissions to Scope](#)

## **Dignitaries to participate in Nov. 2 Research Institute groundbreaking**

Paul and Carole Stark, longtime friends of IUSM, have a vested interest in a special ceremony taking place in the Ruth Lilly Medical Library Thursday, Nov. 2. The Starks will be among guests attending the groundbreaking ceremony for the IUSM Research Institute, which will house the Stark Neuroscience Institute.

Also participating in the 1:30 p.m. event will be Indiana Lt. Gov. Joseph E. Kernan and Indianapolis Mayor Bart Peterson, along with IU President Myles Brand; IUPUI Chancellor Gerald L. Bepko; several IU trustees; Daniel F. Evans Jr., Esq., chairman of the board of directors for Clarian Health Partners; and Ting-Kai Li, IUSM distinguished professor.

Researchers from many disciplines, including medical and molecular genetics, chemistry, anatomy, pharmacology, psychiatry, pathology, physiology, neurology, surgery and imaging will occupy the Stark Neurosciences Research Institute. The Stark Institute will enhance collaboration among scientists who share the goal of understanding the basis of central nervous system diseases and will help them realize a greater potential as contributors to the body of neuroscience research.

The Stark Neuroscience Institute is not the family's only impact on neuroscientific research at IUSM; they also have endowed the Stark Chair in Pharmacology and the Stark Neurosciences Scholarship Fund.

The building, scheduled for occupancy in 2002, also will house the Indiana Center of Excellence in Biomedical Imaging, a new initiative funded through grants from the Indiana Twenty-first Century Technology Research Fund and a National Cancer Institute planning grant for an In-vivo Cellular and Molecular Imaging Center. Faculty from Indiana, Purdue and Notre Dame universities, as well as scientists from the pharmaceutical, radiopharmaceutical and medical imaging industries will be involved in the research. The Center will serve as a focal point for technology transfer to the private sector.

The Walther Oncology Center, a partnership program between the Walther Cancer Institute and IUSM, also will be located in the new research facility. The goal of the Center is to foster cutting-edge, basic scientific laboratory research that focuses on the cellular, biochemical and molecular biology of cancer.

Another contributor to the success of IUSM's research efforts is Clarian Health Partners, which has pledged \$10 million toward construction of the Research Institute.

The building will be situated on the south side of Wishard Boulevard, east of the IU Cancer Research Institute. A tunnel connecting the new

research building with the Medical Research and Library Building to the south also is included in the project, estimated to cost \$26.9 million.

A reception will immediately follow the ceremony.

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## **Wishard ambulance crews 'at work' on national television**

Wishard Health Services paramedics will be featured on TLC's *Paramedics*, a real-life documentary that follows paramedic teams to medical emergencies. The show will air at 8 p.m. (local time), Thursday, Nov. 2.

The one-hour program can be seen locally on Time Warner Cable, channel 56, and Comcast, channel 38.

Since no national production is complete without a premiere and free popcorn, Wishard is hosting showings on Wednesday, Nov. 1, at 1 p.m., 3 p.m. and 6 p.m. in Myers Auditorium.

*Paramedics* is produced by NYT Television. The production team spent four weeks in May recording the life-saving efforts of Wishard's paramedic teams.

TLC reaches 74 million homes in the United States and 6.2 million homes in Canada and is a service of Discovery Networks.

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## **Practicing medicine at one's best, topic of seminar**

The Medical Ethics and Humanities Seminar series will present "Mindful Practice" with Ronald Epstein, MD, at noon, Friday, Nov. 10, in the IU Cancer Research Institute auditorium.

The presentation's goal is to provide tools that will help to foster mindful practice in practitioners and learners.

At the end of the seminar, participants will be able to:

- Identify times when they practice at their best -- when they are able to think clearly, be in touch emotionally and be present physically;
- Characterize mindful practice;
- Recognize mindful practice in trainees and colleagues; and
- Develop some tools to promote mindful practice in learners.

To register, please RSVP to 274-4740 or email [jizukac@iupui.edu](mailto:jizukac@iupui.edu) by Wednesday, Nov. 8. The seminar is co-sponsored with the Bowen Research Center and the IU Department of Family Medicine.

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## **Medical student lead author of journal article**

Second-year IUSM student Eric Jaryszak of Lowell, Ind., has taken an uncommon step on the road to becoming a physician. As a result of joining the research laboratory of Wiltz Wagner, PhD, one of the few places in the world where video microscopy is used to study lung structure, Jaryszak has had the opportunity to be published in a professional journal.

Jaryszak debuts this month as the principal author of an important study which demonstrated that the lung can respond to changes in blood flow much more rapidly than previously suspected.

Jaryszak's research confirmed an essential part of a larger study that questions the conventional theory that gravity governs blood flow in the lungs. The new theory proposes that gravity represents only a part of the circulatory process. Both studies were published in the September issue

of the *Journal of Applied Physiology*.

Under the guidance of Dr. Wagner, the Virgil K. Stoelting Professor of Anesthesia at IUSM, who has been studying the physiology of the lung for four decades, Jaryszak developed a video microscopy project that demonstrated that capillaries in mammalian lungs respond to a change in blood flow in only two seconds. This work validated the results of the 30-second, zero gravity experiments Dr. Wagner and other scientists previously completed aboard a NASA KC-135 jet. These experiments showed that the tree-like structure of the lung's arterial circulatory system is a major determinant of blood flow in the lung.

As a result of his experience in the Wagner laboratory, Jaryszak no longer simply has his eyes set solely on a medical degree. He plans to take a year off from medical school next year to do further pulmonary research in the Wagner laboratory as part of the work required for a doctoral degree in physiology. He then will return to medical school and hopes to receive a combined MD/PhD degree from IU in May 2004.

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## **Combined Seminar Series November schedule**

The schedule and topics for the November Combined Seminar Series follows. The sessions begin at 4 p.m. in the IU Cancer Research Institute auditorium.

**Nov. 1** -- Robert Clarke, PhD, professor, Georgetown University Medical Center, "Molecular Mechanisms of Anti-estrogen Resistance in Breast Cancer."

**Nov. 8** -- Andy Deutsch, PhD, professor, Pennington Biomedical Research Center, "Multifunctional Proteins for the Repair of Damaged DNA."

**Nov. 15** -- Chinghai Kao, PhD, to be announced.

**Nov. 22** -- Sydney Fleischer, PhD, Molecular Biology and Pharmacology, "Regulation of Muscle Contraction Calcium Signaling, from Molecules to Mouse."

**Nov. 29** -- Danny Welch, PhD, associate professor of pathology, Penn State University College of Medicine, "Regulation of Metastasis in Human Cancer."

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## **Updated bibliographic database online**

The IUSM bibliography now has a Web interface. The online version of the bibliography covers all the published years, 1986-1997, and is searchable by author, title words and date.

This Web version was developed by Amy Hatfield, a library intern from the IU School of Library and Information Science. It replaces the online Gopher index to the bibliography previously maintained by the Library. If you have bookmarked the older index, please change the bookmark. The new Web link is: <http://www.medlib.iupui.edu/bibliography>.

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## **Copyright resources for electronic materials**

Just when copyright law and "fair use" for printed classroom materials seemed to be understandable, new questions arise when considering publishing materials on our Web pages. So when do the use of materials for Web-based classroom needs fall under the Fair Use law for

copyright? If an instructor wishes to post a series of copyrighted materials on his or her Web site for a particular class, would those materials fall under fair use?

To answer these somewhat difficult questions, four factors must be considered and weighed: the purpose of the use; the nature of the work; the amount used; and the effect of the use on the market for the original material. The law requires an independent determination for each copyrighted work used in a particular situation.

The university has a wealth of material and expertise in the Copyright Management Center to assist in working through a determination. Specific materials already prepared for your reference on this issue are available through the Copyright Management Center:

Fair-Use Case Study: Using Copyrighted Materials on the World Wide Web at <http://www.iupui.edu/~copyinfo/fucasestudy.html>

Fair Use in the Electronic Age: Serving the Public Interest at <http://www.arl.org/info/frn/copy/fairuse.html>

Fair Use in Teaching at <http://www.iupui.edu/~copyinfo/fairuse.html>

The Fair-Use Checklist is of particular help for a specific situation and can be found at <http://www.iupui.edu/~copyinfo/fuchecklist.html>

For more general information, contact the Copyright Management Center directly at <http://www.iupui.edu/~copyinfo/>

(Submitted by Beverly Hill, EdD, director, Medical Educational Resources Program/Continuing Medical Education)

# Submissions to Scope

*Scope* wants your news items.

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

- faxing the information to 278-3502;
- e-mailing the information to [mhardin@iupui.edu](mailto:mhardin@iupui.edu);
- mailing the information to Mary Hardin, LO 401, IUPUI.

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