

IU School of Medicine SCOPE

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IUPUI Chancellor Bantz addresses parking issues

Parking continues to be a problem for faculty, staff and students at IUPUI and issues will get worse over the near term as spaces are lost due to construction of a new parking garage and the new Wishard hospital.

In a message to the campus IUPUI Chancellor Charles R. Bantz has offered options and opportunities to reduce parking issues, including converting an "A" passes to a garage pass for the Vermont or North Street garages and

a “limited time offer” for people to obtain free parking in the Indiana Avenue lot by turning in their A, B, or E permits.

The message from the Chancellor:

Our campus has experienced tremendous growth since I started here six years ago. Our enrollment has increased, external research is up, and we are receiving national recognition on a number of fronts. In fact, as you have heard me say, IUPUI was ranked 7th on *US News and World Report’s* list of Up-and-Coming National Universities.

All this success does not come without some growing pains. And growing pains is what we are experiencing with the challenge of finding parking on campus. I certainly understand the frustration that develops when you circle the parking lots looking for an open spot as I am not immune to it.

We have recognized the need for more parking for a while now. I’m pleased to say that construction for a new 1,300 space garage on the northeast corner of Michigan and Blackford will begin in mid-November with plans for it to be completed before school begins next fall. Unfortunately, this long- term increase in parking spots will start with the loss of 550 as soon as construction begins. There are a couple ways that our faculty, staff, and students can lessen the impact of these losses—and some are to your advantage. For example:

- For the same cost as an “A” pass, you can convert to a garage pass in the Vermont Street garage and the North Street garage and be guaranteed a parking space.
- Turn in an A, B, or E permit for a permit to park in the 1200 Indiana Avenue lot by Friday, November 20, and ride the Jag Shuttle to campus. Persons who do so will be reimbursed for the remaining balance due on their permit. The Jag Shuttle circulates every 10 minutes and free car transportation to the lot will be provided for emergencies.

There are many more opportunities to reduce the number cars coming to campus by taking public transportation, carpooling, and riding bicycles. More information on these options can be found on the [Parking and Transportation Services](#) website.

As I expect you anticipated, garage construction will not be our only challenge this year. With the passage of the referendum allowing Wishard to go forward with plans to construct a new hospital on the west side of campus, we will experience the further loss of parking. In the long run, we will end up with more parking than we currently have, but, again, we will lose spaces in the short term. How many and when has yet to be determined. I will keep you informed about the progress of this project as it becomes available.

Believe me, I wish that I had fewer conversations about parking on campus and more about the great work that is being done here. But the reality is we are an urban campus with a fixed amount of space that must balance the need for classrooms, research space, offices, housing, greenspace, and parking.

These adjustments are going to test people’s patience. A parking space just steps from your destination is not always possible. We need to change the way we think about parking on this campus and look at ways we can all contribute to a solution.

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Faculty Elections

This year's IUSM Faculty Elections will take place Dec. 4 through Dec. 20 via electronic ballot. Positions open include president-elect and secretary-elect of the faculty, as well as a large number of committee positions, including admissions, academic standards, awards, and so on.

A link to the ballot will be posted in Scope and emailed to each faculty member eligible to vote. Faculty members who use non-IU email addresses or whose contact information has changed are urged to send updated information to Lynn Wakefield in the Office of Academic Administration at lwakefie@iupui.edu.

Jeff Rothenberg, MD
President of the Faculty

Richard Gunderman, MD
Secretary of the Faculty

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Subscription information for the new *Research Funding Update* digest

The Office of the Vice Provost for Research and the Office of the Vice Chancellor for Research publishes a weekly digest containing information about funding opportunities including those that limit the number of allowable pre-proposal or proposal submissions.

Digests are sent on Wednesdays but may be sent more frequently if deadlines are urgent. View the Research Funding Update.

To sign up for the weekly *Research Funding Update*, see ovpr.indiana.edu/lmsub/LimSub.asp or go directly to the [sign-up page](#).

Topics in this week's update include information on stimulus funding at IU, several grants and awards and limited funding opportunities at the National Science Foundation and the National Institutes of Health.

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IEDC available to review SBIR/STTR/RO1 grant applications

The Indiana Economic Development Corporation has announced the availability of technical reviewers to evaluate new or revised Small Business Innovative Research (SBIR), Small Business Technology Transfer (STTR), or R01 applications to ensure commercial aspects of the proposals are finely tuned for success.

Based on a first-come, first-served basis the IEDC is willing to review 25 such applications. Send an electronic version of the proposal to Karl Koehler at kkoehler@iedc.in.gov with the following additional information/materials:

- For an R01 the applicant should provide the submission date targeted; for an SBIR/STTR the next appropriate solicitation date
- For revised submissions, a copy of the original proposal with agency reviews should be included

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Final lecture in Cutting Edge Series

The final lecture in the 2009 fall IUPUI Cutting Edge Lecture Series will be “CSI Run Amok: The Future of Forensic Science” by Jay Siegel, Department of Forensic Science, on Wednesday, Nov. 11, at 4:30 p.m. in the Lilly Auditorium.

Link: http://www.iupui.edu/administration/acad_affairs/celsfall09.html

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The politics of obesity topic of History of Medicine talk

"The Politics of Pounds and Ounces: How Obesity Became a Public Health Issue" will be presented by Susan Lederer, chair of the Department of Medical History and Bioethics at the University of Wisconsin, at the Thursday, Nov. 12, History of Medicine Speaker Series. Her talk will be from noon to 1 p.m. in the VanNuys Medical Science Building, room 311A/B.

The lecture is free; since lunch will be provided, an RSVP is requested to Rebecca Cervenka at 278-1669 or rcervenk@iupui.edu.

This series is sponsored by John Shaw Billings History of Medicine Society, IUSM and the Medical Humanities – Health Studies Program.

On Friday, Nov. 13, three IUPUI faculty will discuss “Dr. Ehrlich’s Magic Bullet,” a 1943 film. Panelists will be Emily Beckman, Medical Humanities program, Richard Gregory, IU School of Dentistry, and William Schneider, Department of History. This will be from 7 to 9:30 p.m. in the Indiana Medical History Museum.

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NSF Speaker Series shares grant application tips

Friday, Nov. 13, is National Science Foundation Day at IUPUI. The speaker series is sponsored by the IUPUI Office of the Vice Chancellor for Research.

The morning session, from 9:30 to 11 a.m. in Lecture Building, room 105, will include an overview of NSF programs. The afternoon session, from 2 to 4 p.m. will provide opportunities for biomedical researchers to get tips on developing competitive NSF proposals from experienced NIH-funded researchers who are now program directors at NSF. IUSM faculty are encouraged to attend. This portion of the program will be in the IU Cancer Research Institute, room 101.

Presenters will include Dr. Richard Rodewald, program director, NSF Cellular Systems Cluster, a division of molecular and cellular biosciences; and Dr. Cedric L. Williams, program director, NSF Neural Systems Cluster, a division of integrative organismal systems

For more information about all the Nov. 13 NSF Day sessions and other NSF Speaker Series events, go to research.iupui.edu/events.

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Life Sciences Collaboration Conference set for Nov. 13

Last-minute registration is still possible for the Nov. 13 edition of the Indiana Life Sciences Collaboration Conferences Series to be held at Cook Medical World Headquarters, 750 Daniels Way, Bloomington, Ind.

The conference, “Comparative Effectiveness: the Dollars and Sense,” will examine the policy and implementation issues relating to Comparative Effectiveness research, including: How will life sciences firms be impacted and how can they best take advantage of comparative effectiveness research. Conference speakers will bring perspectives from large and small business, academia and other viewpoints. Conference details are available at kelley.iu.edu/CBLS/conferences/page16783.html.

The conference fee is \$70 and online registration is available at kelley.iu.edu/CBLS/conferences/registration/page16551.html.

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Lean Six Sigma workshop

IU School of Medicine, in partnership with CME Enterprise, will present “A Bridge to Quality: Engaging Continuing Education and Quality Improvement Professionals in Healthcare Quality Improvement.” This full-day workshop will focus on Quality Improvement, featuring Lean Six Sigma methodology.

This hands-on seminar will provide an introduction to Lean Six Sigma tools, explain the role of the physician in quality improvement and systems-based practice, and present best practices for engaging physicians in the healthcare organization and creating change agents.

The seminar is targeted toward quality improvement specialists, CME specialists, and clinicians who play a role in leading quality initiatives in their healthcare practices. The event will be on Friday, Nov. 13, at the IUSM Health Information and Translational Services Building. For more details, visit cme.medicine.iu.edu.

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Mathematics and Cardiovascular Treatment

The Department of Mathematical Sciences Colloquium at IUPUI is hosting Suncica Canic, Cullen Distinguished Professor, in the University of Houston Department of Mathematics, at a colloquium at 3:30 p.m. Friday, Nov. 13, in the IUPUI Science Building (LD), room 259. Refreshments will be served at 3 p.m.

Mathematical modeling, analysis and numerical simulation provide a powerful tool to study various aspects of cardiovascular treatment. This talk will address two such examples: a mathematical study of fluid-structure interaction with a clinical application to 2D and 3D Doppler assessment of mitral regurgitation, and a novel

application of the mathematical theory of one-dimensional curved rods to study modeling of the effective mechanical properties of endovascular stents as a mesh on 1D curved rods.

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Leighton-Oare Foundation Lecture to be webcast

Paul Nussbaum, PhD, of the University of Pittsburgh, will present the Leighton-Oare Foundation lecture and IUSM faculty, staff and students are invited to attend.

The webcast will originate at 7 p.m. Thursday, Nov. 16, from South Bend at the Ivy Tech Community College campus. It is being presented to the community by Memorial Hospital of South Bend and the Leighton-Oare Foundation. The webcast also will be archived for future downloads.

Dr. Nussbaum is known for his research on the topic of brain health across the lifespan. He will speak about brain health as it applies to healthy aging as well as how it applies to people at any age. He will share insights into the latest in brain health research, including the concept of neuroplasticity - the ability to increase neural density through purposeful engagement in novel and complex activities - and its implications for healthy aging and postponing the onset of dementia.

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Pharmaceutical divestitures and acquisitions at Life Sciences Lunch

“Pharmaceutical Product Divestiture and Acquisition” will be the topic of the Tuesday, Nov. 17, Life Sciences Lunch Series seminar at Barnes & Thornburg, 11 S. Meridian St., Indianapolis.

Many pharmaceutical startups are developing drugs that, although high in revenue for the average-size company and very attractive for a startup, are not the blockbusters that keep big pharma profitable. Pharmaceutical giants are re-evaluating their pipelines and are seeking to sell products that no longer fit their business strategies. This program will look at what it means from a regulatory standpoint for these products to get to market and will cover product divestiture from the viewpoints of big pharma companies and startup companies.

Speakers will be Reed Tarwater Ph.D., RAC, director of pharmaceutical consulting services, The Anson Group; P. Ron Ellis, president and CEO, Endocyte Inc. and Pete Robins, Eli Lilly and Co.

The program will be from 11:30 am to 1 pm with video conferencing available at Barnes & Thornburg offices in South Bend, Fort Wayne and Elkhart and cooperating facilities Bloomington, Evansville, Hammond, Merrillville, Muncie, New Albany, Richmond, Terre Haute and West Lafayette. There is a \$10 attendance fee in Indianapolis. A box lunch will be available at Barnes & Thornburg offices, or attendees may bring their own lunch. Please register at www.ihif.org/conference/register/14

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Members sought for new sexual and gender diversity curriculum team

A new working group of IUSM faculty, students, and residents has formed to address gaps in the curriculum related to sexual and gender diversity and health. The new Sexual and Gender Diversity Curriculum Enhancement Team seeks additional members with expertise, energy and enthusiasm for this mission. The next meeting will be Wednesday, Nov. 18. For more information, please contact Erin Krebs at krebse@iupui.edu or Angie Graves at angdgrav@iupui.edu.

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Calling all advocates for children

Be an advocate for children by visiting www.childrensbureau.org/cobi now to get on the email list to be notified when registration for the 2010 Children: Our Best Investment Forum officially opens.

This year's 12th annual forum, open to anyone who advocates for children, is scheduled for Tuesday, Feb. 9, at the downtown Sheraton Indianapolis City Centre. Riley Community Education and Child Advocacy at the IUSM Department of Pediatrics is one of the presenting partners for this legislative advocacy for children forum.

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Call for proposals by American Cancer Society

The IU Simon Cancer Center seeks proposals for new pilot projects to assist new investigators who hold the rank of assistant professor, research assistant professor, or assistant scientist. These funds are from the American Cancer Society Institutional Research Grant.

This grant provides support for beginning investigators to enable them to initiate their independent research program. Funds are available for 4-5 pilot projects, beginning Jan. 1, 2010, in amounts up to \$25,000. Special funds also are available for one pilot study in the amount of \$30,000 within the special topic of cancer disparities focused on underserved populations.

The deadline for application submission for American Cancer Society Institutional Research Grant pilot study funding is Monday, Nov. 23. Application guidelines and forms may be obtained from:

Elizabeth Parsons
Cancer Pavilion RT-455
Phone: 317-278-0078; Fax: 317-278-0074
email: eparsons@iupui.edu

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Library licenses VisualDx

The Ruth Lilly Medical Library has licensed VisualDx for IUSM and Wishard Hospital. VisualDx is a point-of-care visual clinical decision support system for diagnostic accuracy. VisualDx integrates medical images and specialist-level knowledge to help diagnose, treat and manage visually presenting conditions.

Designed by the physician specialists and health care professionals from Logical Images, Inc., VisualDx includes more than 17,000 images that aid in the diagnosis of nearly 1,000 visually identifiable diseases, drug reactions and infections.

A study done at the University of Rochester Center for Future Health found that diagnostic accuracy increased by over 120 percent when clinicians used VisualDx as opposed to using traditional medical textbooks for diagnostic research.

VisualDx also meets three of the six general competencies as established by the Accreditation Council for Graduate Education: medical knowledge, patient care, and practice-based learning and improvement. In addition to facilitating clinical teaching to meet the needs of these ACGME requirements, VisualDx can be used in lectures, grand rounds, journal club, and self-directed learning through case-based modules.

VisualDx can be accessed at www.visualdx.com/visualdx. For questions about access call the library at 278-9327 or send an email to cascom@iupui.edu.

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Best Buddies

Best Buddies is an international nonprofit organization dedicated to enhancing the lives of individuals with intellectual disabilities by fostering one-to-one friendships. Best Buddies is sponsored by the Office of Medical Service-Learning, the Medical Student Service-Learning Group (MSSG) and IUPUI. Chapters also can be found at all of the IUSM regional centers. Kashif Shaikh (MSIV), and Brock Medsker (MSIV) are serving as project co-chairs this year.

Upcoming events for buddies and their partners include a Nov. 15 arts and crafts project, and a Dec. 4 holiday dance. Earlier this fall, the IUPUI/IUSM chapter held a matching party and various card and board games were played.

Interested in becoming a volunteer or making a donation? For more information or to help support Best Buddies, see www.bestbuddies.org or email bestbuds@iupui.edu.

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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Fairbanks Ethics Lecture Videos

The Fairbanks Ethics Lecture videos from the 2008-2009 Fairbanks Ethics Lecture Series are now available on the web at www.fairbankscenter.org/index.php/events/lecture_video_archives. Each video is approximately 50-60 minutes long.

Conceived by Paul R. Helft, MD, and launched in 2005, the aim of the Fairbanks Ethics Lecture Series is to present stimulating topics and practical information on issues related to clinical ethics. The audience include a wide variety of health care professionals from Clarian hospitals, IUPUI, the IU School of Medicine and other interested people from the broader community.

Additional information about the Fairbanks Center for Medical Ethics can be found on our webpage, www.fairbankscenter.org.

Available Videos:

- 5/27/09- "Ethical Issues in Genetic Testing"- Kimberly A. Quaid, PhD
- 3/18/09- "Vegetative State and Related Disorders"- Edward J. Dropcho, MD
- 2/18/09- "Will they take the Medicines? Children's adherence to antiretroviral therapy in a resource-limited setting"- Rachel C. Vreeman, MD, MS
- 12/17/08- "Leadership in Healthcare"- Richard Gunderman, MD, PhD
- 11/19/08- "Professionalism Conflicts Created by Physician-Industry Interactions: The Case for Banning Industry from Educational Venues"- Carey D. Chisholm, MD
- 9/17/08- "National Health Insurance: Facts, not Rhetoric"- Aaron E. Carroll, MD, MS
- 5/28/08- "Strange Bedfellows: Torture and Medical Professionals"- Meg Gaffney, MD
- 5/14/08- "The Challenges of Surrogate Decision Making in the Hospital"- Alexia Torke, MD, MS
- 4/23/08- "Narrative Bioethics: How Stories Matter"- Martha Montello, PhD
- 3/26/08- "Pediatrics and Geriatrics: Ethics Across the Life Course"- Greg A. Sachs, MD
- 2/27/08- "Miracles: An Examination of the Miraculous in Health Care"- Richard Gunderman, MD, PhD

For questions and comments, please contact Amy Chamness at achamnes@clarian.org or (317)962-1721.

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Join the fun at the IUPUI Alumni Holiday Night

The IUPUI Alumni Holiday Night is 6:30 to 9 pm on Wednesday, Dec. 9. Come enjoy holiday cheer, good food, great times and festive holiday music. You will be able to visit all five floors of the Indianapolis Children's Museum and enjoy Jolly Days Winter Wonderland's Yule Slide and carousel.

The cost includes the admission ticket, an Italian buffet from 6:30 to 8 p.m., drinks, and dessert. Tickets are \$20 for adults and \$13 for children ages 3 to 12 (children under age 3 are free); residents and fellows are \$15 for adults and \$8 for children. Tickets for fourth-year medical students are complimentary. A limited numbers of discounted/complimentary tickets are available courtesy of the IU School of Medicine Alumni Association, so register early to avoid a sell-out.

Faculty and staff can register online at www.alumni.iupui.edu under Upcoming Alumni Events. MS IV students and residents and fellows should register by contacting Michael in the alumni office at IUSMalum@iupui.edu or at 317-274-5060. Please direct all questions to the alumni office.

Registration deadline: Friday, Dec. 4

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MedTV update

The Office of Public and Media Relations now manages the MedTV screens on the medical school campus. This closed-circuit TV system, part of the IUPUI network, presents a wonderful opportunity for faculty, staff and students to communicate events and information of interest to others. It also serves as a source for broadcasting emergency information on campus.

The MedTVs are located in public areas of the HITS building, the VanNuys Medical Science Building atrium, the Daly Center and Walther Hall.

Announcements from departments and offices are welcome. To have your department or office announcements posted on MedTV, please read the MedTV guidelines: <http://communications.medicine.iu.edu/medtv>. Questions? Phone 274-7722.

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Traffic alert for Saturday

The Indianapolis Monumental Marathon will interfere with normal traffic flow to and from campus on Saturday. It also will limit IndyGo service in the Downtown area for the day.

The marathon course starts and finishes near the Indiana State Capitol Building in downtown Indianapolis on Washington Street. The race begins at 8 a.m. Runners will travel as far north as Broad Ripple and as far south as McCarty Street near Lucas Oil Stadium. They'll go east to 10th and Bellefontaine, near Massachusetts Avenue, and west to White River Parkway near the Naval Armory. This event attracted nearly 3500 registrants last year.

A map of the route can be found through the Indianapolis Star at www.indystar.com/apps/pbcs.dll/article?AID=2009911040338.

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Indy Monthly 'Top Doctors' issue includes many from IUSM

If you've seen the November issue of Indianapolis Monthly you might recognize the "cover doc" as Terry A. Vik, M.D., with his stethoscope and Riley Hospital physician's coat. Dr. Vik, a pediatric hematologist/oncologist is an associate professor of clinical pediatrics and one of the 142 Indianapolis-area physicians who make the annual issue of physicians.

Other IUSM physicians and their specialties included in the 2009 issue are listed at scope.medicine.iu.edu/files/documents/Indy_Monthly_Oct_30.pdf.

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Grants and Awards - October 2009

| PI | Agency | Type | Project Title | Begin | End | Total |
|--------------------------|-----------------------|----------------------|---|---------|---------|-----------|
| Susan Elizabeth Clare | Breast Cancer Res Fdn | New | Development of a Molecular Encyclopedia of the Normal Human Breast | 10/1/09 | 9/30/10 | 200,000 |
| Kathy D. Miller | Breast Cancer Res Fdn | Contin/ Competing | A Phase II Study of VEGF Inhibition in Patients with Unilateral Upper Extremity Lymphedema Following Treatment for Cancer | 10/1/09 | 9/30/10 | 200,000 |
| George W. Sledge Jr. | Breast Cancer Res Fdn | Contin/ Competing | Angiogenesis in Breast Cancer | 10/1/09 | 9/30/10 | 200,000 |
| Aruna Sannuti | Cystic Fibrosis Fdn | Contin/ Competing | Cystic Fibrosis Foundation Center Grant | 7/1/09 | 6/30/10 | 48,860 |
| Jamie Lynn Renbarger | NIH-NCI | New | Developing a Prediction Model for Vincristine-Induced Peripheral Neuropathy | 9/30/09 | 8/31/10 | 492,849 |
| William J. McBride | NIH-NIAAA | New | Ethanol and nicotine co-abuse: cross sensitization of their reinforcing actions | 9/30/09 | 8/31/10 | 1,348,982 |
| Anita Nijhawan Haggstrom | NIH-NIAMS | New | Severity Scale and Quality of Life Instrument for Infantile Hemangiomas | 9/29/09 | 8/31/10 | 268,981 |
| Wayne C. Forrester | NIH-NIGMS | New | Mechanisms of Wnt signaling in cell polarity and cell migration | 9/30/09 | 8/30/10 | 192,500 |

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|---------------------|---------------------------------------|----------------------|---|----------|----------|-----------|
| Gary D. Hutchins | University Of Texas Southwest | Contin/ Competing | From Animal Models to Therapeutics | 5/1/09 | 4/30/10 | 119,598 |
| Todd C. Skaar | NIH-NIGMS | New | Regulation of drug metabolizing enzymes by miRNAs | 9/30/09 | 8/31/10 | 370,881 |
| Homer Lee Twigg III | NIH-NHLBI | New | Lung Microbiome and Pulmonary Inflammation/Immunity in HIV Infection | 9/23/09 | 7/31/10 | 779,491 |
| Hal E. Broxmeyer | NIH-NHLBI | Contin/ Competing | Basic Science Studies on Gene Therapy of Blood Diseases | 9/1/09 | 8/31/10 | 428,104 |
| Tatiana M. Foroud | NIH-NINDS | Contin/ Competing | National Research Roster for Huntington Disease Patients and Families | 10/1/09 | 9/29/11 | 780,841 |
| Zhongmin Guo | Flight Attendant Med Res Inst | New | Roles of DNA Promoter Hypermethylation in Head and Neck Cancer Cisplatin Resistance | 2/1/09 | 6/30/10 | 183,890 |
| Alexia Mary Torke | NIH-NIA | New | Surrogate Decision Making for Hospitalized Older Adults | 9/15/09 | 8/31/10 | 156,119 |
| Ronald Mark Payne | Friedreich's Ataxia Research Alliance | New | Optimizing delivery of frataxin using cell penetrant peptides | 10/15/09 | 10/14/10 | 120,000 |
| Jingwu Xie | NIH-NCI | New | Molecular Basis of Hedgehog Signaling in Carcinogenesis | 9/29/09 | 7/31/10 | 273,008 |
| Andrew P. Evan Jr. | NIH-NIDDK | Contin/ Competing | Strategies for Improved Shock Wave Lithotripsy | 9/29/09 | 6/30/10 | 1,712,580 |

| | | | | | | |
|--------------------|--------------------|-----|--|--------|---------|---------|
| Mircea Ivan | Am Cancer Society | New | Role of miR-210 in the Hypoxia Response and Tumorigenesis | 7/1/09 | 6/30/10 | 180,000 |
| Nuria Morral Codol | Univ Of Cincinnati | New | Regulated expression of hypothalamic CPT1 using gutless adenovirus | 9/1/09 | 8/31/10 | 101,452 |

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This week on *Sound Medicine*

Tune in at 2 p.m. Sunday, Nov. 8, or 8 p.m. Tuesday, Nov. 10, to *Sound Medicine*, the award-winning weekly radio program co-produced by IUSM and WFYI Public Radio (90.1FM) in Indianapolis. The program is hosted by Barb Lewis.

This week, Aaron Carroll, MD, MS, associate professor of pediatrics and director for the Center of Health Policy and Professionalism Research at IUSM, will provide an update on the progress toward health-care reform legislation.

Marcia Shew, MD, PhD, associate professor of clinical pediatrics at IUSM, will discuss her research into the relatively small number of adverse effects linked to Gardasil, the HPV vaccine.

Brandon O'Neil, a 12-year-old researcher, will discuss his recently published study on the affects of energy drinks versus regular soft drinks during exercise. O'Neil's father, a doctor, supervised the study.

Timothy Ford, PhD, vice president of research and dean of graduate studies at the University of New England, will explain his study on how satellites might help predict disease outbreaks caused by climate change. In this week's *Sound Medicine* "Checkup," Jeremy Shere, Ph.D., will explore birth order.

Archived editions of *Sound Medicine* as well as other helpful information can be found at www.soundmedicine.iu.edu.

Sound Medicine is underwritten by Clarian Health, IU Medical Group and Indiana University-Purdue University Indianapolis. Primary care segments are underwritten by Wishard Health Services.

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