Cervical cancer patients receive new follow-up: post-treatment PET scans

BY GLENN ERICKSON

Whole-body PET (positron emission tomography) scans done three months after completion of cervical cancer therapy can ensure that patients are disease-free or warn that further interventions are needed, according to a School of Medicine study.

"This is the first time we can say that we have a reliable test to follow cervical cancer patients after therapy," said Julie K. Schwarz, M.D., Ph.D., a Barnes-Jewish Hospital resident in the Department of Radiation Oncology. "We ask them to come back for a follow-up visit about three months after treatment is finished, and we perform a PET scan. If the scan shows a complete response to treatment, we can say with confidence that they are going to do extremely well. That's really powerful," Schwarz and colleagues published their study in the Nov. 21, 2007, issue of the Journal of the American Medical Association (JAMA).

Without a test like PET, it can be difficult to tell whether treatment has eliminated cervical tumors, Schwarz said. That's because small tumors are hard to detect with pelvic exams and overt symptoms, such as leg swelling, don't occur until tumors grow quite large. Furthermore, CT and MRI scans often don't differentiate tumor tissue from surrounding tissue. PAP tests can be inaccurate because of tissue changes induced by radiation therapy, and no blood test exists to detect the presence of cervical cancer.

Cancerous tumors glow brightly in the PET scans used in the study, called FDG-PET scans, which detect emissions from radioactive-tagged blood sugar, or glucose. Tumor tissue traps more glucose. See Scans, Page 6.

Washington University in St. Louis

Teach 2008 to help faculty focus on the classroom

BY JESSICA DAINES

At research universities such as Washington University, faculty members constantly are creating, uncovering and discussing new theories, discoveries and ways of thinking about important and complex questions. Finding ways to integrate this scholarship into the classroom experience can be an opportunity for distinction and academic excellence. It also can be a challenge — a challenge not often discussed among faculty.

"Most faculty at research universities are interested in teaching and develop innovative teaching methods, but they do it in isolation," said Regina Frye, Ph.D., director of The Teaching Center and senior lecturer in chemistry in Arts & Sciences. "They don't necessarily talk to their colleagues about what they're doing."

That's why, on Jan. 10, The Teaching Center, University Libraries and the College of Arts & Sciences will host Teach 2008, an event at which faculty can gather to talk specifically about their teaching experiences and learn about new teaching methods and technology that can help students learn more quickly and easily.

The symposium, which will take place from 8:45 a.m. to 3:45 p.m. in Eads and Hildreth Halls, is free and open to all University faculty members. The Teaching Center requests that those planning to attend register by Jan. 4.

Teach 2008 will feature 16 separate sessions about topics ranging from "Improving Student Test Taking" to "Finding the Best Uses for Sage 3000." See Events, Page 6.

First Faculty Creative Activity Research Grants awarded by Sam Fox School

Five art, architecture professors receive $5K awards

BY LAM OTTEN

The Sam Fox School of Design & Visual Arts has announced the recipients of its first annual Faculty Creative Activity Research Grants. Five faculty members from the College of Art and the College of Architecture will each receive $5,000 to support a variety of projects from publications and video documentary to large-scale public sculpture. Recipients were chosen from 19 submissions, representing almost half of the Sam Fox School’s 39 tenured and tenure-track faculty.

The faculty jury included Sarah Berthelot, associate professor of art; Paul J. Denold, the Rebecca and John Voyles Professor of Architecture; Ron Leax, the Halsey C. Ives Professor of Art; William Wilson, Ph.D., the Barbara Murphy Bryant Distin-
guished Professor of Art History in Arts & Sciences; and Jane McLeod, vice chancellor for students and dean of the College of Arts & Sciences, who co-sponsored the symposium. Five faculty members received awards:

Sarah Berthelot, associate professor of art: "Create one, teach one". WUSTL researchers receive grant to develop microbial fuel cell kits for students

BY TONY FITZPATRICK

The combination of beer, wastewater, microbes, fuel cells, high-school students and teachers sounds like a witch's brew for an old-fashioned, ill-fated 1960s beach party.

Instead, these are the components that constitute the heart and soul of a new high-school science curriculum being developed by researchers at Washington University and two St. Louis area high-school teachers.

Lars Angenent, Ph.D., assistant professor of energy, environmental and chemical engineering, has received a $400,000 Career Grant from the National Science Foundation to develop microbial fuel cell (MFC) kits and an accompanying book of physics, chemistry and biology lessons. Eventually, he hopes to make them available to high-school science teachers as an exciting, visual, hands-on way to teach science.

As part of the grant, he will be working with Victoria L. May, assistant dean for Science Outreach in Arts & Sciences and director of the University's Science Outreach program.

Using MFC technology, Angenent is treating wastewater donated by local brewery Anheuser-Busch Cos. and creating electricity in a six-liter device a bit bigger than a thermos. He uses a mixed medium containing thousands of organisms and op-
Fuel cells

WASHINGTON UNIVERSITY works with
distributed energy systems
— from Page 1

limited environmental conditions to select for a bacterial community
with improved electron transfer in anode biofilms, thereby in-
creasing the electron transfer rate.

In addition, he plans to work with a single-culture biofilm to allow a full understanding of how to use operating conditions to manipulate electron transfer in anode biofilms.

"Anheim-Buch is supporting us not with money, but with wisdom," of which they have an ample supply," Angenent said. "They're very happy to be work-
ing with us because they have a keen interest in biofuels and bioenergy.

"Anheim also is working with teachers from the WUSTL School District in north St. Louis County, one of the districts in the University's Science Outreach program, to develop a curriculum using

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ology of bacterial systems, including genetics, biochemistry, and all the while making the science exciting," Angenent says.

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Harry and Susan Seigle Hall

The memorial holiday season

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submit this information to the Department of Homeland Security and Health & Safety by Jan. 4, 2008. The rule applies to all areas within WUSTL and all areas that possess chemicals, including but not limited to laboratories, art studios, shops, theaters, clinics and athletic facilities. More information about the rule, the list of the 325 "Chemicals of Interest", requirements for University personnel and a tool for reporting inventories, visit ehs.wustl.edu/cfatsrule.htm.
Wireless network being installed at School of Medicine, BJCareHealthcare

BY BETH MILLER

The School of Medicine and BJ CareHealthcare are going wireless to allow students, faculty, staff, patients and visitors to connect to their network without plugging in. One of implementing the joint wireless network, called MedFi, is a under way with expected completion in summer 2008. When complete, 35 buildings covering 9 million square feet at the Washington University Medical Center will have wireless accessibility with 800 access points at the School of Medicine and 1,200 access points at BJ CareHealthcare.

Telecommunications Facility Corp., the joint School of Medicine and BJ CareHealthcare company that provides university services at the medical center, is planning to augment, not to replace, the existing wired networks. The School of Medicine and BJ CareHealthcare, said John Roman, manager of network services in Central Information Technology Services, "The advantage of the wireless network is the flexibility to roam among all medical centers without having to change networks." Roman said an existing wired network would continue to offer the highest performance and reliability.

The network will be accessible using Windows XP, Windows Vista and Macintosh platforms. Web-based applications such as e-mail and browsers will automatically work with MedFi, said John Bannack, MRC director of information services.

Those interested in the wireless network should contact Central Information Technology Services or go online to moctprojects.wustl.edu.

Malaria drug may prevent or delay atherosclerosis

BY JIM DIETRICH

School of Medicine researches want to see whether it’s possible to reduce the progression of atherosclerosis in healthy people by giving low doses of the malaria drug chloroquine. They are seeking volunteers who are slightly overweight or who have elevated blood pressure.

The human study follows a mouse study that found chloroquine could blunt the progression of plaque buildup in mice that had a genetic predisposition to atherosclerosis.

"Vascular events such as heart attack and stroke are the biggest health risk facing Americans today," said Janet B. McGill, M.D., associate professor of medicine in the Division of Endocrinology, Metabolism and Lipid Research. "We want to learn whether chloroquine can slow that thickening."

Semenkovich and colleagues at St. Jude Children’s Research Hospital in Memphis, Tenn., found that in a small dose of chloroquine to mice reduced cholesterol, decreased hardening and narrowing of the arteries and improved glucose metabolism. It has also been genetically engineered with high cholesterol levels in a juvenile mouse called Atna (ataxia telangiectasia mutated). Children without the genetic disorder called ataxia telangiectasia. In addition to many other problems, children with AF develop an unusual type of diabetes.

"In people at risk, we expect to see a very slight thickening of the artery walls but we don’t really know how well some of those risk factors to participate in a National Institutes of Health-funded clinical trial. The purpose of the new study is to use whether it can alleviate symptoms of psychosis without exacerbating motor problems," Black said.

Patients in the 10-week study will receive melphalan syrup or a placebo in syrup. Neither the investigators nor the participants receive an active drug or a placebo free of charge.

Kingshighway bridge to be demolished for new I-64 work

Demolition of the old Kingshighway Bridge over the two weekends from 10 p.m. Dec. 7 to 1 a.m. Dec. 14 will require closing Kingshighway from I-64/40 Interstate 64 at Kingshighway over the two weekends from 10 p.m. Dec. 7 to 1 a.m. Dec. 14.

Drivers will be able to access the north and southbound lanes of Kingshighway, but employees are encouraged to use alternate routes such as Forest Park Boulevard and the Biotechnology Center.

Clinical investigators are evaluating paroxysmal motor function in patients with Parkinson’s disease. "There have been concerns that this class of drugs, known as SSRIs, might affect motor function," Black said.

"They are known to alleviate depression and other neurological symptoms, but because the drugs interact with some of the same brain structures affected by Parkinson’s disease, it is important that we closely look at their effects in this population to ensure that in attempting to alleviate depression, we aren’t creating other problems," Black said.

"Many people seem to work through different mechanisms than other antidepressant drugs, we want to see whether it can alleviate symptoms of psychosis without exacerbating motor problems," Black said.

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University Events

Montreal's acclaimed Dynam'O Théâtre will add a dash of eclecticism to its portfolio when it comes to St. Louis to perform "me me me" on December 13th. This is an exciting opportunity for fans of contemporary theatre who are eager to experience the innovative and thought-provoking productions that Dynam'O Théâtre is known for. The play features a blend of music, dance, and theatre, creating a unique and immersive theatrical experience.

Dynam'O Théâtre's "me me me" is a trilogy of musical pieces that explore the theme of identity and self-expression. The performances will be held at the Edison Theatre and are sure to captivate and delight audiences with their dynamic and engaging performances. The show is not to be missed by those who appreciate the innovative and experimental nature of modern theatre.

Tickets for the performances are available now, and they promise to be sold out quickly. Get your tickets today to secure your place and experience the thrilling and unforgettable performance of Dynam'O Théâtre's "me me me."
Music for the season: Series of concerts on tap for December

The Department of Music in Arts & Sciences will conclude its fall season with a series of December concerts.

Events begin at 8 p.m. Thursday, Dec. 6, when classical guitar star and University alumna Jennifer Plank will present a recital in the 360 Music Center, 360 Trinity Ave. Doors open at 7:30 p.m. that day when WUSTL's Concert Choir performs a concert under the direction of John Stewart, director of vocal activities, also in Graham Chapel.

The department will host its annual sing along of George Frideric Handel's oratorio "Messiah" at 3 p.m. Sunday, Dec. 9, in Graham Chapel. The performance, which lasts approximately three hours, will feature the Christmas portion of "Messiah" as well as the "Hallelujah Chorus." Those who wish to participate in the sing-along may sit in special areas arranged according to voice type (soprano, alto, tenor, baritone), through those who choose not to sing also are welcome to attend. Copies of the music will be available for those who do not bring their own scores.

Register to win a season PassPort to The Black Rep

In celebration of The Black Rep's 31st anniversary, the University's Diversity Initiative is giving away season PassPort packages to University faculty and staff.

Each PassPort consists of five ticket vouchers redeemable at any time during the 2007-08 season.

To enter, visit eRecord for a complete listing of campus performances, and entries must be submitted by Dec. 17.

One entry per person is allowed. To enter, visit eRecord and click on Blackrep buồn. Katherine McClae of the Office of Technology Management

Stewart directs the performance. William Partridge is organist and choirmaster. Soloists are all current students, faculty or alumni from Music's Vocal Performance program and include sopranos Courtney Day and Cecily Stewart; mezzo-soprano Debra Hilliard-Brook; tenors Jay O'Brien and Joshua Ruggles; and baritone Nathan Ruggles.

Also on Sunday, Dec. 9, jazz guitarist Bill Leshian, lecturer in music, will present a recital at 8 p.m.

Welcome, neighbors

Chancellor Mark S. Wrighton speaks with Nasri Saleh (center) and Chip Houser (left) at the University's Nov. 29 "Report to the Neighbors" meeting at Whitaker Hall. The meeting provided Wrighton an opportunity to discuss local community and University relationships, as well as the University's role in the local community and the announcement of the upcoming vice presidential debate in October 2008, the volleyball team's national championship and the groundbreaking of the BJ C Institute of Health at Washington University. Wrighton: Arthur J. Ackermann, associate vice chancellor for facilities planning and management; James E. McLeod, vice chancellor for students and dean of the College of Arts & Sciences; and Stephen P. Hoffner, assistant vice chancellor for real estate and president of Quadrangle Housing; and Cheryl L. Adelstein, director of community relations and local government affairs, also took part in a question-and-answer session, which gave neighbors a chance to voice questions and concerns to University administrators.

Luenemann named coach of the year

Volleyball head coach Rich Luenemann was named the American Volleyball Coaches Association (AVCA) Coach of the Year Nov. 26. The Bears finished the season with a 33-5 overall record and won the ninth Div. III volleyball title in school history.

It is the second time in nine seasons at WUSTL that Luenemann has earned the recognition. He also garnered AVCA Coach of the Year honors in 2003, the other year he led the Bears to the national championship.

Luenemann recorded two other milestone victories in 2007: He won his 300th match at WUSTL with a 3-0 win against New York University Oct. 14, and he won the 900th match of his career in the Bears’ 3-2 win against the University of Wisconsin-Oshkosh in the NCAA tournament Nov. 9.

Luenemann’s career record stands at 994-303 (.771), and he is 314-41 (.885) as the Bears’ head coach.

The volleyball team will be recognized Saturday, Dec. 8, at halftime of the men’s basketball game against Illinois Wesleyan University, which begins at 3 p.m. Festivities will include the unveiling of the championship banner and a presentation of the national championship trophy.

Men’s basketball wins Lopata Classic

The No. 8 Bears captured the 24th Annual Lopata Classic championship with a 68-66 win against Bah- ron College Dec. 1 at the Field House. Junior Tyler Nading earned the Robert L. Berens Most Val- uable Player honors for the second straight season, scoring 25 points on 10-of-14 shooting from the field.

The Bears hosts Illinois Wes- leyan University Saturday, Dec. 8, at 3 p.m. That day, the Depart- ment of Athletics will team up with the Sitman Cancer Center and Coaches vs. Cancer to bring awareness to the fight against can- cer and to help raise money for cancer research. Donations will be encouraged (admission is free) and there will be information about both organizations and how to help in this ongoing battle.

Women’s basketball splits Ohio games

The No. 9 Women’s basketball team played two road games in Ohio last week, defeating Denison University, 87-76, Dec. 1, but falling to Capital University, 66- 58, Dec. 2.

Junior forward Jaime McFar- lin led the Bears in their win against Denison, scoring a career-high 29 points and grabbing nine rebounds. The Bears had their most efficient scoring game of the year in the win, shooting a season-best 50.0 percent from the field.

A long second-half scoring drought doomed the Bears against Capital. WUSTL led the Cru- ausers, 33-31, at halftime and stretched the lead to 53-45, but Capital went on an 11-0 scoring run to take the lead, 56-53.

Swimming second, sixth at invitational

The Bears competed at the seventh annual Wheaton Invitational in Wheaton, Ill., from Nov. 30-Dec. 1. The men’s team placed second with 662 points, and the women’s team was sixth with 488 points.

The men’s team was led by jun- ior Matt Nordbeck to the meet’s first in three freestyle events: the 50-yard freestyle (22.07), the 100- yard freestyle (44.86) and the 200-yard back (1:41.71). All three of Lecies’s times were NCAA “B” cut qualifying standards, which will be counted toward qualifying for the NCAA postseason.

Senior Meredith Northrock was three events for the women’s team, and she set a new school record in the 400-yard IM, Nord- beck’s time of 4:20.36 in the 400- yard IM was an NCAA “B” cut time. Her other victories came in the 200-yard IM (2:06.94) and the 200-yard back (1:00.26), both “B” qualifying times.

Sports

Monday, Jan. 7

3 p.m. Men’s Basketball vs. Webster – Athletic Complex, 313-4700.

Friday, Jan. 11

6 p.m. Swimming & Diving vs. Lin- censed W. Weirton Point. Ticket info.

Saturday, Jan. 12

1 p.m. Men’s Basketball vs. U. of Chicago – Athletic Complex, 313-4700.

Saturday, Jan. 3

7 p.m. Women’s Basketball vs. Webster – Athletic Complex, 313-4700.

Author, teacher Oh to give annual Martin Luther King Jr. Lecture at medical school

The Washington University School of Medicine’s Office of Diversity Programs will present the annual Martin Luther King Jr. celebration lecture at 4 p.m. Jan. 21 in the Eric P. Newman Education Center.

Angela E. Oh, internationally recognized author, teacher and public lecturer, will speak, Ap- pointed by President Bill Clinton in June 1997 to the President’s initiative on Race, Oh was part of a seven-member advisory board to the president in an effort di- rected at creating a national dia- logue and examination of race rela- tions in the United States.

For more information, call 342-5854.

The Danforth Campus also will have numerous activities sur- rounding the holiday, including the 31st annual celebration hon- oring King’s legacy at 7 p.m. in Graham Chapel. Check the Jan. 14 eRecord for a complete listing of campus activities.

Sports Saturday, Dec. 1


Saturday, Dec. 15

1 p.m. Women’s Basketball vs. Maryville – Athletic Complex, 415-4705.

3 p.m. Men’s Basketball vs. Coa College – Athletic Complex, 415-4705.

Thursday, Jan. 3

7 p.m. Women’s Basketball vs. Webster – Athletic Complex, 313-4700.

Rich Luenemann talks strategy during a timeout in the Bears’ national championship game. The coach just finished his ninth season at WUSTL, and picked up a national title, two career milestones and coach-of-the-year honors along the way.
Grants
Goal is to encourage creative projects — from Page 1

Wolff, assistant professor of architecture.
"The Faculty Creative Activity Research Grants are designed to support individual and collaborative creative activities that are distinctive to architecture, design and art," said Dennis Martin, dean of the Sam Fox School and the E. Paul and Patricia Woodford Dean for Collaboration in the Arts. "These grants are intended to promote creative projects and scholarship that assist faculty in pursuing their work, and to help build a culture of support and recognition for creative activity in their fields." Recipients for 2007 are:

David Dowd, professor of visual communications. The grant will fund preliminary research for "The Compton E. Peterson Visual Communications." The book will seek to chart and articulate a new discipline and approach to images of cultural significance — including illustration, animation, comics and graphic novel — with the goal of exploring visual communication methodologies.

Zohar Linoff, Ph.D., assistant professor of architecture. The grant will fund the use of new digital media as an analytic tool for studying significant built and unbuilt works by the pioneering modernist architect Ludwig Mies van der Rohe, still actively being researched by some faculty members.

ITeach
An opportunity to talk about — from Page 1
Writing to "Using Digital Research Materials for Teaching." Other topics include "Web-Based Homework in Large Courses," "Engaging Students in Large, Introductory Courses" and "Testing the GIS GIANT." The program also includes a roundtable discussion of the Biennial ITeach Symposium, which focuses on emerging technologies and new pedagogical approaches to the classroom.

Scans
Growing database will help future patients — from Page 1
"We have a tremendous data-base," Schwarz said. "We have the base of PET images collected since 1998," Schwarz said. "We can trace back the disease." The scans provide a unique opportunity for researchers to explore treatment options before the cancer advances further. These options can include surgery to remove tissue, standard chemotherapy or experimental medications. The database is used to identify patients whose tumors responded well to therapy, as well as those whose tumors did not respond. This information is helping to develop new treatment options for future patients.

The study's senior author, Terie Petersen, is a medical professional whose tumors respond well to therapy. She is an oncologist at the University of Washington, where she is on the faculty of the Department of Medical Oncology.

Scans of normal tissue are being compared with scans of abnormal tissue to determine which patients are likely to respond well to therapy. This information is helping to develop new treatment options for future patients.

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Introducing new faculty members

The following are among the new faculty members at the University. Others will be invited periodically to this space.

Haleh Ergin, Ph.D., joins the Department of Economics in Arts & Sciences as associate professor. Ergin earned a doctorate at Princeton University in 2003 and afterward joined the Massachusetts Institute of Technology's faculty as assistant professor. Ergin's research is on social experiments in search of mechanisms to design incentives.

Young-Shin Jun, Ph.D., will join the Department of Engineering in January 2008 as professor of energy, environmental & chemical engineering. He comes from the University of California, Berkeley, where he is completing her work as a postdoctoral fellow. He brings expertise in molecular scale experimentation of environmental systems to the Aquatic Processes Cluster. Before going to Berkeley, she earned a doctorate in environmental sciences and engineering from Harvard University.

Ian MacMullen, Ph.D., joins the Department of Political Science in Arts & Sciences as assistant professor. He earned a doctorate in political science from Harvard University in 2004 and the following year joined the faculty of the University of California, Berkeley, where he continues his work as a postdoctoral fellow. His research and teaching interests lie in the politics of education, environmental policy, and cultural pluralism. MacMullen's first book, "The Democratic Promise: Education, Citizenship, and Religious Education in the Liberal State" (Princeton University Press, 2007), articulates a vision of liberal government in a pluralistic society through a consideration of the fundamental principles of public education policy.

Jami Newhard, Ph.D., joins the Department of Asian and Near Eastern Languages and Literatures in Arts & Sciences as assistant professor of Japanese. She previously was assistant professor in the Department of Languages and Literatures at Arizona State University. She earned a master's degree in Japanese literature from Columbia University in 1999 and a bachelor's degree in comparative arts and sciences from Brown University. Her research interests include the history of literature, mediaeval and early modern reformation in Japan, the history of religion, book and publishing history, gender and sexuality issues in premodern Japanese literature and classical Japanese language.

Shining stars Faculty achievement award winners Carl M. Bender, Ph.D., the Wilfred R. and Ann Lee Konneker Distinguished Professor of Physics in Arts & Sciences, and Helen M. Piwnica-Worms, Ph.D., professor of cell biology and physiology and of internal medicine at the School of Medicine, share a light moment during the award ceremony Dec. 1 at the Bryan Cave Moot Courtroom in Anheuser-Busch Hall. Bender received the Arthur Holly Compton Faculty Achievement Award, and Piwnica-Worms was presented with the Carl and Gerty Carl Faculty Achievement Award. Both professors received plaques and gave presentations of their scholarly work during the program, which was followed by the Chancellor's Gala at the Charles F. Knight Executive Education Center.

By Neil Schnickern

Tamura E. King, J.D., director of Judicial Programs, has been named president-elect of the Association for Student Judicial Affairs (ASJA), an international organization that helps to promote, encourage, and support student development professionals who have responsibility for student judicial affairs.

King will be the organization's first African-American president. "Being elected to ASJA, the premier authority in higher education for student conduct administration, will provide me with a wonderful professional experience," King said. "I have been able to devote time to ASJA due to the encouragement and support I have received from Justin Carroll, assistant vice chancellor for students and dean of students, and the entire University community. I am excited to be in a position to shape the future of student conduct administration on an institutional level." King said.

King will serve as president-elect in 2008 for one year before becoming president of ASJA in 2009 for one year. At the time since 1999, King is responsible for working with students, faculty and staff to establish and promote community expectations for University students.

As a part of this role, she manages the process of working with students who do not meet expectations.

She also serves as the primary interface between the residential colleges and other University programs and services.

King earned a law degree from the New York University School of Law in 1988 and a bachelor of arts degree in political science from Pennsylvania State University in 1985. ASJA has more than 1,200 members in the United States and Canada, representing more than 750 institutions of higher education.

Note of interest

Prentis Blaue, Ph.D., the Stifel and Quintelle Invacor Professor and chair of the Department of Energy, Environmental & Chemical Engineering, has received a one-year, $26,880 grant from Agnova Inc. for research titled "Sustainable Pore-Based Aerosol Sensors.

Klein A. Carmichael, M.D., associate professor of medicine in the Division of Endocrinology, Metabolism and Lipid Research, has been elected to the board of the American Diabetes Association (ADA) in St. Louis. He serves on the University Diabetes Center at Barnes-Jewish Hospital. He will serve a three-year term on the ADA board.

Douglas A. Wiens, Ph.D., professor of earth and planetary sciences, has received a four-year, $441,000 grant from the National Science Foundation for research titled "Collaborative Research: A Broadband Seismic Experiment to Image the Lithosphere beneath the Gamburtsev Mountains and Surrounding Areas, East Antarctica."

Speaking of

John Drabek, J.D., the George Alexander Maditz Professor of Law, professor of economics in Arts & Sciences and director of the Center for Interdisciplinary Studies, and John O. Halley, J.D., the Wiley B. Bedggles Professor of Law, spoke at the Conference of the Global Economic History Network in Utrecht, the Netherlands, on Sept. 20-22. Drabek was the discussant for the final panel of the conference. Halley's presentation was titled "Law's Evolution: Why English Law Thrives in Western Europe and Japan."

Carter C. Revard, Ph.D., professor emeritus of English in Arts & Sciences, gave a paper titled "Translating (or Pixelating) Hip-Hop Verse" at the Conference of the Global Economic History Network in Utrecht, the Netherlands, on Sept. 20-22. Drabek was the discussant for the final panel of the conference. Halley's presentation was titled "Law's Evolution: Why English Law Thrives in Western Europe and Japan."

For the Record

Obituary

Perkins, 91

Howard Joseph Perkins, Washington University police officer for 39 years, died Saturday, Nov. 24. He was 91.

The grant supports expansion of tablet PCs into humanities, social sciences

The Teaching Center, in collaboration with the Department of Education and History, both in Arts & Sciences, and Geospatial Information Systems (GIS), has received an educational grant from Hewlett-Packard (HP) that will provide 40 tablet PCs to assist WUSTL instructors in teaching. The grant supports the expansion into the humanities and social sciences of teaching methods developed by the Department of Arts & Sciences and The Teaching Center with the help of the HP grant.

The most recent grant includes $15,000 in cash, plus HP technology — including the 40 wireless tablet PCs — valued at approximately $107,000.

"This project was supported by the grant — led by Aaron Addison, University GIS coordinator, and with participation of the leadership of The Teaching Center and senior leadership from the Arts & Sciences; Tim Parsons, Ph.D., professor of history and of African and African American Studies, both in Arts & Sciences; and R. Keith Sawyer, Ph.D., associate professor of education and of psychology, both in Arts & Sciences — will enable the students to use the tablet PCs to perform active-learning exercises that can improve the learning experience for the students and group work and that can help them develop skills essential for effective collaboration.

"From our previous grant in chemistry, we found that students' scores on homework improved and in-class student participation increased when specialized software was introduced via the exercises versus outside use only," Frey said.

"We want to apply this teaching methodology to our application of GIS in many disciplines," Frey said. "This is an opportunity to expand our GIS lab as a form of a collaborative, teaching tool.

The 2007 HP grant plays a significant role in the Teaching Center's mission to be a collaborative, transformative learning environment. One set of the tablet PCs is being utilized in the School of Social Work's GIS lab for in-class training.

This fall, faculty in the Department of Earth and Planetary Sciences in Arts & Sciences used this cart to teach students how flood maps are created.

The second set of tablet PCs will be used in the 2008 spring semester by Parsons, who is incorporating a GIS unit in his course "International and Area Studies 180: International Development — a core, freshman-focus course in the International Leadership Program.

Washington University was one of the first academic institutions in the world to develop a comprehensive curriculum of higher education that received the grant.

Faculty interested in using the tablet PCs in their classrooms must first do so in their courses. For more information, call Frey at 314-937-2474.

For more information in using the mobile GIS lab should contact Addison at 314-933-4190.

Newswise, Philadelphia, PA — A team of researchers from Brown University has developed a new way to study how the brain works, called "virtual fMRI." The technique allows scientists to study brain activity in a way that is similar to an MRI but without the discomfort of the machine. The results could have implications for understanding brain function and improving treatments for neurological disorders.

The research was presented at an international conference on functional MRI held in Boston in June. The team included Dr. Robert Pautler, who led the study, and Dr. Mark Greenberg, who co-led the study.

Pautler and Greenberg used a combination of MRI and fMRI to measure changes in brain activity when subjects performed a series of tasks. They found that the virtual fMRI technique was more sensitive than traditional fMRI in detecting changes in blood flow in the brain.

"This study shows that virtual fMRI can be a valuable tool for studying brain function," said Pautler. "Our results suggest that virtual fMRI could be used to improve our understanding of how the brain works and how it can be affected by disease or injury.

The technique could also have applications in the treatment of neurological disorders such as multiple sclerosis, Parkinson's disease and Alzheimer's disease.

For more information, please contact Dr. Pautler at r.pautler@brown.edu or Dr. Greenberg at m.greenberg@brown.edu.

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Man of the people

Peter Joy's dedication and experience benefit both students and those in need

Western Reserve University School of Law

I was interested in the position because the clinical program was the course in law school that I enjoyed the most,” he says.

After teaching in the clinic at Case Western for a few years, Joy developed an interest in legal ethics and started teaching that course as well.

In 1998, Joy joined the Washington University School of Law faculty, where he teaches clinical courses in the clinical program as well as “Trial Practice” and legal ethics courses.

He is past president of the Clinical Legal Education Association and past chair of the Association of American Law Schools’ Section on Clinical Legal Education.

Joy is an internationally recognized legal scholar, teacher and author. He is the Daniel Noyes Kirby Professor of Law and director of the law school’s Clinical Education and Alternative Dispute Resolution Programs.

“He is widely acclaimed for his expertise in clinical theory, ethics, trial practice and criminal justice,” Tokarz says. “Peter is passionate about his clients, his students and his research. He is a prince of a guy and one of the best colleagues anybody could ask for.”

Washington University is so lucky to have him. Our law school’s clinical program is consistently ranked in the top five in the country, in no small part because Peter is a member of our faculty.”

Joy heads the law school’s Criminal Justice Clinic, which is based in a suite of offices in the St. Louis County Public Defender’s Office in Clayton, Mo. Clinic students represent indigent people charged with crimes who are being represented through the Public Defender’s Office. Students handle bond hearings and preliminary hearings on felony cases and all aspects of misdemeanor cases.

“Clinical education is something I really enjoy,” he says. “It’s very time-consuming and can be a very intense experience. It’s like doctors in medical schools working with interns or residents. You see students really put the theory they are learning into practice and grapple within the ethical dimensions of legal practice.”

“This is really the most satisfying work that I could be doing,” he says. “I get the benefits of working with students who are at the very beginning of their legal career for the first time and seeing how to put together a case for a client. It blends what I enjoy about the practice of law with the personal satisfaction of being a trial lawyer.”

Emily Hughes, J.D., associate professor of law and Joy’s colleague at the Criminal Justice Clinic, says that Joy “is committed to helping students develop into top-notch professional, ethical attorneys.”

“I really like and was delighted to work with an exciting group of colleagues and students while being represented through the clinic, where students provide legal representation to clients, and also in the ‘Trial Practice’ class, where they learn how to try a case to a jury,” he says. “This development also happens in classroom courses, too, where by the end of the semester, students are proficient in the subject studied.”

Third-year law student Sam Rodriguez (left) discusses a case with Peter Joy, J.D., professor of law and director of the Criminal Justice Clinic, at the St. Louis County Public Defender’s Office in Clayton, Mo. The clinic provides students an opportunity to put into practice what they are learning in the classroom.

“Every one of the clinics provides legal representation to persons unable to afford to hire lawyers, and scores of clients each year are helped on a variety of issues,” he says. “Without the clinic’s students and faculty handling their cases, many clients would find the courthouse doors closed to them.”

Joy also appreciates the interdisciplinary efforts of the law school on both the clinical and nonclinical fronts.

“It’s wonderful that we have such close contact with other schools on the Danforth Campus,” he says. “We’re anxious to see collaborative work being done with faculty members from outside schools and departments like engineering, social work and political science.”

Outside the University and the courtroom, Joy enjoys reading, hiking and traveling.

“I switch off between reading what at least a lot of people would say is real literature and then mystery books, but I think good mystery books qualify as real literature as well,” he says.

“I really like and was delighted to see the Detective Chen series of books by St. Louis-based crime novelist Qiu Xiaolong,” he says. “The latest book of his that I read is called ‘The Hero of Shanghai.’ It’s set in Shanghai and in St. Louis, and Detective Chen is an Elliot University, so there is an interesting connection to the University.”

Joy’s planning and preparation has landed him in an ideal position.

“Of course, I’ve now been re-