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# Washington University Record, February 22, 2007

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# Record

Feb. 22, 2007

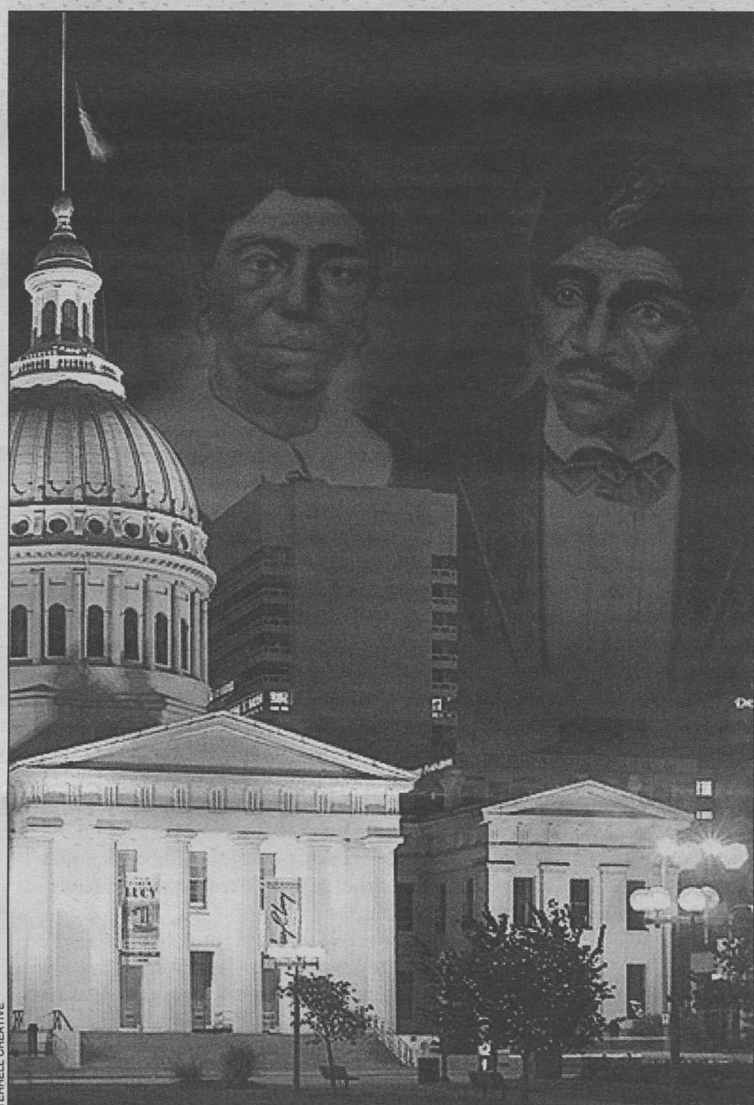
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Washington University in St. Louis

## Dred Scott case revisited

National symposium takes place on 150th anniversary



The Old Courthouse in downtown St. Louis was the site of the first two trials of the Dred Scott case in 1847 and 1850. Slaves Scott and his wife, Harriet, eventually lost their suit for freedom with a U.S. Supreme Court decision in 1857, the sesquicentennial of which will be commemorated with a University-sponsored symposium March 1-3.

To commemorate the sesquicentennial of the infamous U.S. Supreme Court decision, the University is hosting a national symposium on "The Dred Scott Case and Its Legacy: Race, Law and the Struggle for Equality" March 1-3.

The symposium examines the impact and legacy of the case and brings to campus nationally renowned historians, legal scholars and judges; a Scott descendant; and rare documents pertaining to the case in Missouri, where the 11-year legal battle began.

In 1846, slaves Dred Scott and his wife, Harriet, filed suit for their freedom in the St. Louis County Circuit Court. After more than a decade of reversals and appeals, the case reached the Supreme Court.

That court's landmark decision, issued in 1857, upheld a Missouri appellate court ruling that denied the Scotts their freedom. The Supreme Court decision declared that blacks were not citizens and, therefore, could not sue in federal court. Further, the court ruled that the federal government did not have the power to prohibit slavery in its territories. The decision contributed to rising tensions between the North and South just before the Civil War.

"Although a bloody Civil War produced three Constitutional amendments to reverse that decision, the achievement of full racial, religious and ethnic equality in this country remains an un-

See **Dred Scott**, Page 6

## Children's Discovery Institute awards first research grants

The Children's Discovery Institute (CDI) has awarded \$2 million in research grants to investigators across the University's schools of Arts & Sciences and Medicine.

These are the first funding awards since the launch of the Institute in 2006. A second wave of funding, worth about \$3 million, will be announced in April.

The CDI's Scientific Advisory Board, charged with determining the most outstanding awards from a large applicant pool, gave special consideration to interdisciplinary research initiatives.

"Our goal is to conduct research in a way that has never been done anywhere on behalf of children," said Jonathan D. Gitlin, M.D., the Helene B. Roberson Professor of Pediatrics and scientific director of the CDI.

"We're pulling people together with unique skills who've never worked together," Gitlin said. "We're asking them to investigate a problem in a new, imaginative and interdisciplinary way that completely leverages the intellectual capital of this University."

One newly funded initiative supported within the McDonnell Pediatric Cancer Center is providing a remarkable opportunity to explore the potential of nanostructures, tiny particles that could help detect and treat pediatric brain cancers.

"By bringing together specialists in the fields of chemistry, biology and medicine, we are in a unique position to make

progress toward the development of materials to tackle this medical problem," said Karen L. Wooley, Ph.D., the James S. McDonnell Distinguished University Professor in Arts & Sciences.

Wooley is part of a team that includes pediatric neurosurgeon Jeffrey R. Leonard, M.D.; and Sheila Stewart, Ph.D., and John-Stephen A. Taylor, Ph.D., both in the Division of Biology and Biomedical Sciences.

St. Louis Children's Hospital and the School of Medicine jointly launched the CDI in January 2006.

Grants will be made to fund multidisciplinary investigator teams, faculty recruitment, research fellows and unique educational initiatives.

The CDI initially is focusing on four broad areas encompassing some of the most pernicious diseases affecting children through the McDonnell Pediatric Cancer Center, the Center for Musculoskeletal Diseases, the Center for Pediatric Pulmonary Disease and the Congenital Heart Disease Center.

With these awards in place, research will begin immediately.

"With pediatric brain cancer, we can now start figuring out how to get nanoparticles into brain tumors taken from children and placed in mice and how to begin manipulating those brain tumors for new treatments," Gitlin said.

The CDI funding provides for eight research initiatives, re-

See **Grants**, Page 6

## Marlow makes USA Today's 2007 Academic First Team

Three other WUSTL undergraduates recognized in competition

By TONY FITZPATRICK

Jeffrey J. Marlow, a senior in Arts & Sciences, is one of 20 students nationwide named to the 2007 All-USA College Academic First Team, USA Today's recognition program for outstanding undergraduates.

Two other Washington University students were named to the third team and one student received honorable mention, result-

ing in Washington University tying with the University of Alabama for the most students selected in the newspaper's competition.

The All-USA College Academic Team was announced in USA Today's Feb. 15 issue. A bio and photo of Marlow, who is pursuing a bachelor's degree in earth and planetary sciences, chemistry and geobiology, all in Arts & Sci-

See **Marlow**, Page 6

## Genetically modified crops add new layer to Indian farming

By NEIL SCHOENHERR

The arrival of genetically modified crops has added another level of complexity to farming in the developing world.

Glenn D. Stone, Ph.D., professor of anthropology and of environmental studies, both in Arts & Sciences, has completed the first detailed anthropological fieldwork on these crops and the way they impact — and are impacted

by — local culture.

The study, published in the February issue of *Current Anthropology*, focuses on cotton production in the Warangal District of Andhra Pradesh, India, one of the nation's key cotton-growing areas. There, Stone found several factors affecting farmers' ability to adjust to new developments by practical methods. Among them are the speed

See **Crops**, Page 6



Happy New Year Xiaopi Shi performs on violin and Fei Sun plays the pipa (a Chinese lute) during the Chinese New Year Celebration Feb. 17 in Brown Hall Lounge. Nearly 400 people attended the event, which was sponsored by the Chinese Students and Scholars Association. The Chinese Lunar New Year 4705 began Feb. 18, and 2007 is the Year of the Pig.

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## Renowned African-American historian to be visiting scholar

BY SUSAN KILLENBERG MCGINN

**R**obin D.G. Kelley, Ph.D., one of the country's pre-eminent scholars in African-American history, will serve as a distinguished visiting scholar at the University Feb. 28-March 1.

Kelley, who is professor of history and American studies and ethnicity at the University of Southern California (USC), is a leading scholar of the modern civil rights movement, jazz studies, and African-American music and culture.

He is coming to campus as part of the University's Distinguished Visiting Scholars Program, which was instituted in 1998 as part of an effort to increase the representation of minority scholars on the Danforth Campus. The program invites individuals to campus who have distinguished themselves as leaders in their fields, whether the arts, academia, business or other disciplines.

"Robin Kelley's blend of meticulous and imaginative scholarship and moral democratic vision have inspired a generation of historians," said Iver Bernstein, Ph.D., professor of history in Arts & Sciences. "His writing moves fluidly across the boundaries of disciplines and the line between academic specialists and lay readers."

During his stay, Kelley will deliver a Center for the Humanities Lecture titled "Jazz Sahara: The Music of Ahmed Abdul-Malik" at 4 p.m. Feb. 28 in the Music Classroom Building, Room 102. A reception will follow in the Blewett Hall Foyer. For more information on this talk, call 935-5576.

At 4 p.m. March 1, Kelley will present a Department of History Colloquium titled "The Education of Thelonius Monk" in Hurst Lounge, Duncker Hall, followed by a reception. For more information on this talk, call 935-5450.

Both talks are free and open to the public.

Kelley joined the USC faculty in July, coming from Columbia University, where he had been the William B. Ransford Professor of Cultural and Historical Studies. Kelley, who was a professor of anthropology and African-American

studies at Columbia, helped shape programs for the university's Institute for Research in African-American Studies.

Prior to his tenure at Columbia, he was chair of the history department and professor of history and Africana studies at New York University. He also had been a professor of history, African-American studies and American culture at the University of Michigan, where, in 1994 at age 32, Kelley became one of the youngest full professors in the United States.

In 2005, he was a visiting professor in Harvard University's Department of African and African American Studies.

He is the author of seven books, including the award-winning "Hammer and Hoe: Alabama Communists During the Great Depression," "Race Rebels: Culture, Politics, and the Black Working Class," "Yo' Mama's Disfunktional!" and "Freedom Dreams: The Black Radical Imagination."

A prolific essayist, he has published dozens of articles in scholarly journals, anthologies and in the popular press, including frequent contributions to The New York Times.

He currently is working on a biography of legendary jazz musician Thelonious Monk. The Thelonious Monk Institute of Jazz, a non-profit educational organization, is housed at USC's Thornton School of Music.

Kelley has been working for years with Monk Institute founder Thelonious Monk Jr., who has given Kelley access to rare historical documents for his biography. No other scholar has had such access and support from the Monk family, according to a USC news release.

Kelley also is working on two other books: "Speaking in Tongues: Jazz and Modern Africa" and "A World to Gain: A History of African Americans."

He earned a bachelor's degree from California State University, Long Beach, in 1983 and a master's in African history in 1985 and a doctorate in U.S. history in 1987, both from the University of California, Los Angeles.

Kelley's visit is sponsored by the University's Distinguished Visiting Scholars Program as well as the African & African American Studies program, the American Culture Studies program, the Department of Music, the Center for the Humanities and the Department of History, all in Arts & Sciences.



Kelley



Tom Biehl, a mechanic with Maintenance Operations, installs a peephole in the door of a Hurd House dorm room. Seven two-man crews installed peepholes in residence hall doors last week as an added security measure for students.

## Security measures added on campus

**T**he University is taking steps to increase security on campus following a crime alert issued Feb. 12 after a female student was assaulted in Myers Residence Hall that afternoon.

"The safety of our students is our No. 1 priority," said Justin Carroll, assistant vice chancellor for students and dean of students. "We are redoubling our efforts to educate students about safety. As well, we will review all procedures in place for safety and security in residence halls."

In addition to existing security measures, peepholes have been installed in residence hall doors to allow residents to see visitors before opening the door. The WUSTL Police Department and staff from the Office of Residential Life have been more visible in their presence in residence hall areas, Carroll said.

Resident advisors held mandatory floor meetings to review safety procedures. The meetings encouraged students to lock their room doors, including when they are showering or sleeping, and stressed the importance of not letting strangers into residence halls by coming in behind them as they enter or by leaving doors propped open. Students were instructed to report suspicious persons or activity immediately to WUSTL police at 935-5555 or go to the nearest blue-light emergency telephone.

The meetings offered a chance to review security measures on campus and other services the University

offers, including escorts, a women's self-defense program, safety whistles and emergency transportation.

Student Union organized a campus forum in Wohl Student Center Feb. 20 to address safety and security. Panelists included Carroll; Don Strom, chief of the WUSTL Police Department; and other University administrators.

A security notice updating parents of University students has been posted on the Parents Page at parents.wustl.edu to reassure families that the University community is doing all it can to protect and ensure the safety of their children.

The University has encouraged students who have concerns or would find it helpful to talk with a professional staff person to contact a counselor with Student Health Services at 935-6666 or their resident advisor, Residential College director or others in residential life at 935-5050.

The crime alert was posted throughout campus along with a composite sketch of the suspect. WUSTL police are working with the Clayton Police Department and other law enforcement agencies on the Feb. 12 incident.

The WUSTL Police Department is headquartered in the center of the South 40, where officers are available to respond quickly to student concerns and requests. For more information, visit police.wustl.edu.

## Supplemental disability insurance enrollment begins

**F**ull- or part-time faculty or staff members limited in performing their job responsibilities due to a non-occupational illness or injury may apply for long-term disability (LTD) insurance benefits.

While the basic LTD coverage is automatic, supplemental coverage — available to some employees — requires enrollment. The annual enrollment period for supplemental plans is the last week of February and first week of March.

The LTD plan, which is underwritten by UNUM Provident, is available to regular faculty and staff members and represents a continuation of a percentage of salary while they are disabled and unable to work.

"There are two generous features of our LTD plan that make it extremely competitive" said Tom Lauman, director of benefits. "First, the definition of disability requires that employees be unable to perform the duties of their own occupation and are not required to perform any position with lesser duties. Second, the very unique retirement contribution provides our LTD participants with the opportunity to grow their retirement savings while on disability."

LTD should not be confused with long-term care insurance, which covers nursing home and in-home costs for care due to the inability to perform the regular activities of daily life.

WUSTL provides one basic level and offers two supplemental

levels of LTD benefits that are determined by an employee's base annual salary. The basic level 1 coverage is automatically provided by the University for all benefits-eligible faculty and staff and requires no employee premium.

The supplemental levels 2 and 3 coverage is offered to employees with base annual salaries of \$160,000 or higher on a voluntary basis and requires a monthly employee premium based on salary and age and provides a similar percentage benefit of total base salary.

complete an enrollment form and may have to complete a health questionnaire depending on the level of coverage and time of their enrollment.

After completing a six-month waiting period or medical-leave period and receiving disability approval by UNUM Provident, employees will be paid 60 percent of their base annual salary as of their last day worked for as long as they remain disabled.

The plan benefit is capped at a monthly maximum of \$8,000 and

**"The very unique retirement contribution provides our LTD participants with the opportunity to grow their retirement savings while on disability."**

TOM LAUMAN

Full- and part-time faculty and staff members are eligible for this coverage after one year of service. However, the effective date may be the first of the month following the date of hire if employees had group long-term disability coverage at a previous employer and didn't have a 90-day break in service before starting at WUSTL. These applicable employees need to complete a special waiver form.

Faculty and staff members are not required to complete an enrollment form for basic level 1 LTD benefits. Faculty and staff members eligible for supplemental levels 2 and 3 LTD benefits must

is offset by Social Security disability and/or workers compensation benefits.

For employees who become disabled before age 50, the benefit is paid until age 65. For employees who become disabled at 50 or older, the benefit is paid on a sliding scale of payment durations. Employees approved for LTD retain the same health and life insurance benefits as active employees.

A special feature of the plan is continued payment of the University retirement contribution from the LTD plan to the employees' retirement savings plan account during the disability period.

## Civic service seminar begins Feb. 27

BY JESSICA MARTIN

**T**he Center for Social Development (CSD) will showcase the latest research on civic service and volunteerism worldwide during "Understanding Civic Service: International Research and Application," a seminar at the George Warren Brown School of Social Work from Feb. 27-March 3.

The five-day exploration will feature a March 1 seminar that is open to the public, as well as a daylong exchange open to faculty, staff and students March 2.

During the seminar, 31 of the CSD's civic service research fellows will gain information about the center's current work, as well as share research findings with each other.

Representing 17 countries, the research fellows have received CSD grants to study service and volunteerism in more than 30 countries.

On March 1, Teresa Matus Sepúlveda will present "Civic Service in an Unequal World: Analyzing Four Paradoxes" at 1:10 p.m. in Brown Hall Lounge.

Matus Sepúlveda is a CSD research fellow from the School of

Social Work at Catholic University in Chile. Her lecture kicks off national Social Work Month with an examination of civic service in Latin America and its role in development.

On March 2, faculty, staff and students are invited to a day of scholarly and cultural exchange from 8:30 a.m.-5 p.m. in Brown Hall Lounge.

After a welcome address by Amanda Moore McBride, Ph.D., CSD research director and assistant professor of social work, CSD and its research fellows will present the following panels:

- 8:45 a.m.: International Youth Service: Pitfalls and Potential

- 11 a.m.: Service-Learning: Forms, Models, Effects and Strategies

- 1:30 p.m.: National Youth Service Programs in the United States, Nepal and Germany: Possible Impacts

- 3:15 p.m.: Volunteerism and Service in Latin America: Forms, Volunteers and Host Organizations

For more information visit, [gwbweb.wustl.edu/csd/service/conference2007.htm](http://gwbweb.wustl.edu/csd/service/conference2007.htm).



## School of Medicine Update

# Surgeons develop simpler way to cure atrial fibrillation

BY GWEN ERICSON

**P**hysicians have an effective new option for treating atrial fibrillation, a common irregular heart rhythm that can cause stroke. School of Medicine heart surgeons have developed and tested a device that radically shortens and simplifies a complex surgical procedure that has had the best long-term cure rate for persistent atrial fibrillation.

The simplified procedure is termed Cox-maze IV, and the surgeons say they believe it can replace the older "cut and sew" Cox-maze III, in which 10 precisely placed incisions in the heart muscle created a "maze" to redirect errant electrical impulses.

"This technology has made the Cox-maze procedure much easier and quicker to perform," said Ralph Damiano Jr., M.D., the John Shoenberg Professor of Surgery, chief of cardiac surgery and a cardiac surgeon at Barnes-Jewish Hospital. "Instead of reserv-

ing the Cox-maze procedure for a select group of patients, we would urge use of this device for virtually all patients who have atrial fibrillation and are scheduled for other cardiac surgery."

The device is a clamplike instrument that heats heart tissue using radiofrequency energy. By holding areas of the heart within the jaws of the device, surgeons can create lines of ablation, or scar tissue, on the heart muscle.

In the older Cox-maze III procedure, the lines of ablation were made by cutting the heart muscle, sewing the incisions back together and letting a scar form.

The ablation lines redirect the abnormal electrical currents responsible for atrial fibrillation in which the upper heart cham-

bers, or atria, wriggle like a bag of worms.

The Cox-maze procedure was developed at the University in 1987. In their latest clinical study, reported in the February issue of the *Journal of Thoracic and Cardiovascular Surgery*, University surgeons showed that Cox-maze IV is just as effective as Cox-maze III for curing atrial fibrillation, yet takes one-third the time to perform.

"The older Cox-maze procedure was a very complicated operation, and very few surgeons were willing to do it," Damiano said.

"So we started working on new technology and helped develop an effective ablation device that simplifies the procedure. Not only is Cox-maze IV shorter, but with the new device the procedure is also much safer because there's a much lower risk of bleeding," Damiano said.

Atrial fibrillation affects more than 2.2 million people in the United States and can

cause fatigue, shortness of breath, exercise intolerance and palpitations.

Compared to those without atrial fibrillation, those with the disorder are five times more likely to suffer from stroke and have up to a two-fold higher risk of death. For some patients, medications can control the abnormal heart rhythms and the risk of clotting associated with atrial fibrillation, but unlike the Cox-maze procedure, the drugs do not cure the disorder.

Damiano said their most recent study of Cox-maze IV is unique because the surgeons carefully matched the age, sex and cardiac conditions of a group of patients who underwent Cox-maze III in the past with patients undergoing Cox-maze IV.

"This is the first documentation of the effectiveness of the ablation devices compared to the incisions of the Cox-maze III," Damiano said. "This operation is very effective, and we now use the Cox-maze IV technique exclusively."



Damiano



**I'll take Potpourri for \$200** (From left) Second-year medical students Nicole Yamada, David Brogan and Wale Adeniran play "Jeopardy" in review for their exam in "Diseases of the Nervous System" with Allyson Zazulia, M.D., assistant professor of neurology and of radiology, in Connor Auditorium Feb. 6. This Audio Daily Double required the students to complete the chorus of "Astrocytic Tumors" written by Arie Perry, M.D., associate professor of pathology and immunology. The categories in this round included Epilepsy and Sleep, CNS Tumors, Stroke, Neurological Localization and Potpourri. Brogan had the most points at the end of Final Jeopardy and won a copy of "Merritt's Textbook of Neurology."

## Cephalogics receives funding for brain imaging

**W**ashington University has formed Cephalogics LLC, an optical imaging company, with funding from Allied Minds, a pre-seed investment firm specializing in early stage university business ventures.

Cephalogics will develop a new high-density diffuse optical tomography system specifically geared to assess the functional status of the brains of infants during treatment in neonatal intensive care units.

Compared to infants born full-term, premature infants are particularly vulnerable to developing brain-related disabilities. Early de-

tection of altered brain development and function is important for the care of preterm infants.

"If clinical testing proves our estimation of effectiveness, the new brain imaging system will aid in therapy and care of neonates in intensive care by indicating which areas of the brain are injured and by monitoring the brain's response to interventions," said inventor Joseph Culver, Ph.D., assistant professor of radiology.

Culver's group has been working on the technology for three years.

Diffuse optical tomography is a new computational imaging ap-

proach that uses multiple light sources and detectors to create an image from light diffusion. The technology is noninvasive, mobile for easy bedside imaging and can continuously monitor brain blood volume and oxygenation.

"It has the potential to fill a 'functional' gap in the neurologic imaging repertoire currently available to neonatal clinicians," Culver said.

Allied Minds initially is investing \$500,000 to develop a prototype and begin preliminary testing.

More funding will follow as the technology progresses.

## African-American mothers more likely to deliver prematurely

BY BETH MILLER

**A**frican-American women are three times more likely to deliver babies three to 17 weeks prematurely than Caucasian women, according to a review of Missouri birth statistics by School of Medicine researchers.

In addition, African-American women are more likely to deliver babies prematurely in subsequent pregnancies.

The researchers analyzed data from the Missouri Department of Health's maternally linked database of all births in Missouri between 1989 and 1997, adjusting for such variables as socioeconomic status, education level, cigarette smoking and maternal medical conditions such as diabetes, hypertension and eclampsia. Full-term birth is considered to be between 37 weeks and 42 weeks of gestation.

Results of the analysis appear in the February issue of the *American Journal of Obstetrics and Gynecology*.

The data showed that 8.8 percent of births to African-American women were between 20 weeks and 34 weeks gestation, or nearly three times the 2.95 percent of premature births to Caucasian women. In addition, African-American women were nearly four times more likely to deliver babies between 20 weeks and 28 weeks gestation than Caucasian women.

African-American women also were nearly 5.5 times more likely to have recurrent preterm births than Caucasian women.

Nationally, Caucasian

women have about an 11 percent risk of delivering prematurely, while African-American women have a 19 percent risk of delivering prematurely, said Louis J. Muglia, M.D., Ph.D., senior author and professor of pediatrics and of obstetrics and gynecology.

"We found that African-American women experience preterm birth not only at increased rates as compared with Caucasian women but also at earlier gestations and with increased repetition for a woman who has had at least two babies," said Muglia, director of the Center for Preterm Birth Research.

"We also found that subsequent preterm births to a mother happen at the same week as her original preterm birth," he said. "These findings highlight the importance of race, particularly after correction for other risk factors, and suggest a probable genetic component that may underlie the public health problem presented by the racial disparity in preterm birth."

The genes likely involved in pregnancy and the birth process also impact other aspects of human health, said Muglia, director of the division of pediatric endocrinology and diabetes at St. Louis Children's Hospital. So far, researchers have found a link between genes that play a role in human birth and those that determine the response to infection, but they still are working to pinpoint causes of preterm birth.

"By understanding specifically what results in this health disparity in African-American women, we can gain a tremendous amount of insight into a normal birth process in respect to preterm birth," Muglia said. "If we can work to reduce the frequency of preterm birth in the African-American population, which is almost twice as great as in the Caucasian population, I think we will make an enormous impact on human health."

Although other researchers have studied this phenomenon, this analysis further clarifies the risk of premature birth in African-American women and the probable genetic link.

"This study helps set the stage for identification of novel genomic strategies to understand fundamental mechanisms responsible for the epidemic of prematurity in the United States," said F. Sessions Cole, M.D., assistant vice chancellor for children's health at the medical school and director of the Division of Pediatric Newborn Medicine and chief medical officer at St. Louis Children's Hospital.



Muglia

## Eberlein receives Sheen award for his contributions to medicine

BY GWEN ERICSON

**T**imothy J. Eberlein, M.D., received the 2006 Dr. Rodman L. Sheen and Thomas G. Sheen Award, given each year for outstanding contributions to the medical profession.

Eberlein is the Bixby Professor and chair of the Department of Surgery, the Spencer T. and Ann W. Olin Distinguished Professor and director of Siteman Cancer Center and surgeon-in-chief at Barnes-Jewish Hospital.

Thomas Sheen, a tailor, clothier and real estate professional, created the award as a tribute to his brother Rodman Sheen, a radiologist and pioneer of Roentgen rays, or X-

rays. The Sheen award has honored 39 of the foremost members of the nation's medical community since its beginning in 1968. The \$25,000 award was presented by Bank of America, trustee under Thomas Sheen's will, at the annual convention of the New Jersey Chapter of the American College of Surgeons.

Eberlein was instrumental in developing Siteman, which was designated a Comprehensive Cancer Center by the National Cancer Institute in 2005, six years after its inception. Siteman is the third-largest cancer center in the United States.

In 2004, Eberlein was elected to the prestigious Institute of Medicine of the National

Academy of Sciences, one of the highest honors medical scientists in the United States can receive.

Prior to joining WUSTL in 1998, Eberlein was the Richard E. Wilson Professor of Surgery at Harvard Medical School.

Previous Sheen award winners have included Francis Collins, M.D., Ph.D., a leader of the Human Genome Project; Judah Folkman, M.D., who established that cancer depended on new blood vessel growth; Mary-Clair King, Ph.D., who identified mutations that cause breast cancer; and Thomas Starzl, M.D., Ph.D., known as the father of modern transplantation.



## University Events

# 'Dance like a fight': DanceBrazil comes to Edison

For almost 30 years, DanceBrazil has combined modern dance with contemporary and traditional Afro-Brazilian forms such as samba and the martial arts-inspired capoeira.

Now the internationally acclaimed troupe will bring its magnetic, gravity-defying mix of strength and power, intricacy and elusiveness to Edison Theatre.

Performances, sponsored by Dance St. Louis and the Edison Theatre OVATIONS! Series, begin at 8 p.m. Feb. 23-24 and at 2 p.m. Feb. 25. Tickets are \$30, \$25 for seniors and faculty and staff and \$18 for students and children.

In addition, DanceBrazil will present an all-ages matinee performance as part of the ovations! for young people series at 11 a.m. Feb. 24. Tickets are \$7.

Jelon Vieira, founder and artistic director of DanceBrazil, describes capoeira as "a fight like a dance and a dance like a fight." The form is thought to have developed in the 16th and 17th centuries as a means of self-defense for slaves brought to Brazil by the Portuguese.

Forbidden to practice, the slaves disguised the form as a dance and "played" the round, fluid, low-to-the-ground move-

ments to pulsating musical beats that remain part of capoeira. Some say the moves — in which only head, hands and feet touch the ground — were developed to avoid dirtying the white religious clothes worn by the slaves.

No capoeira circle is without someone playing a birimbau, a tall, slender instrument made from a wooden stick, string and a gourd.

Drums and tambourines also may accompany the call-and-response songs, which tell old stories of slavery and new tales of life and love in Vieira's native Bahia, home to the majority of the country's Afro-Brazilian population.

Vieira and the late Loremil Machado were the first artists to bring capoeira to the United States. In 1975, Vieira — speaking no English — immigrated to New York and began hosting grassroots workshops at the Clark Center for the Arts. He founded DanceBrazil two years later.

In 1980, Alvin Ailey joined the board of directors and the company soon was traveling throughout Europe and the United States, performing at prestigious venues such as the John F. Kennedy and Lincoln centers.

In the years since capoeira achieved widespread popularity

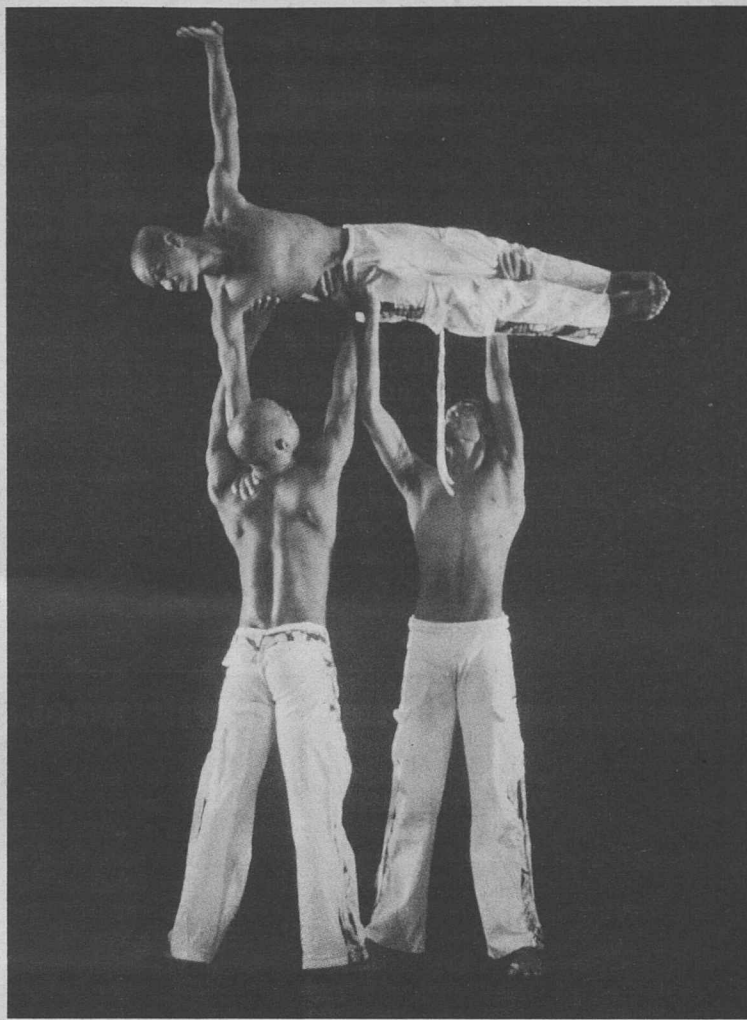
(second only to soccer in Brazil), its influence can be seen in both modern and hip-hop performances. Vieira now divides his time between New York and Boca do Rio, Brazil, using capoeira to build self-esteem, self-discipline and a sense of social consciousness in children and young adults.

In 1999, CityLore, a New York community organization, inducted Vieira into its Hall of Fame. In 2000, he was recognized by the Brazilian Cultural Center in New York as the "pioneer of capoeira in the United States."

Tickets are available at the Edison Theatre box office, 935-6543; the Dance St. Louis box office, 534-6622; the Dance St. Louis Web site, [dancestlouis.org](http://dancestlouis.org); and through MetroTix, 534-1111.

For more information, call Edison Theatre at 935-6543 or visit [dancebrazil.org](http://dancebrazil.org) or [edisontheatre.wustl.edu](http://edisontheatre.wustl.edu).

**The gravity-defying DanceBrazil combines modern dance with traditional Afro-Brazilian forms such as samba and the martial arts-inspired capoeira. The troupe's performances at Edison Theatre Feb. 23-25 will mix strength and power, intricacy and elusiveness.**



COURTESY PHOTO

## 'Black Rain' • Nuclear Cloning • 'Respect for Nature'

"University Events" lists a portion of the activities taking place Feb. 22-March 7 at Washington University. Visit the Web for expanded calendars for the Danforth Campus ([calendar.wustl.edu](http://calendar.wustl.edu)) and the School of Medicine ([medschool.wustl.edu/calendars.html](http://medschool.wustl.edu/calendars.html)).

### Exhibits

**Annual Graduate Student Art Exhibit.** Through Feb. 27. Baseline Workshop, Showroom and Gallery, 1110 Washington Ave. [grad.wustl.edu/~gradexhibit/home](http://grad.wustl.edu/~gradexhibit/home).

**"Emancipation: A Celebration of Local Artists with Mental Illness."** Opens 7-9 p.m. Feb. 27. Exhibit continues through March 9. Sponsored by the Mental Health Outreach Project. Farrell Learning & Teaching Center. 910-1830.

**"Eyes on the Prize: Documenting the Civil Rights Movement."** Through Feb. 28. Olin Library Grand Staircase Lobby. 935-5495.

**"Reality Bites."** Feb. 9-April 29. Kemper Art Museum. 935-4523.

**School of Medicine Student, Faculty & Staff Art Show '07.** Through Feb. 26. Farrell Learning & Teaching Center, First Floor Atrium. [wattson@mmsnotes.wustl.edu](mailto:wattson@mmsnotes.wustl.edu).

**"Selections from the Black Film Promotional Materials Collection."** Through Feb. 28. Olin Library, Lvl. 1, Ginkgo Reading Rm. 935-5495.

### Film

#### Friday, Feb. 23

**7 p.m. Korean Film Festival: The Varied Colors of Korean Cinema.** "Take Care of My Cat" (2001). Jeong Jaeun, dir. Brown Hall, Rm. 100. 935-4448.

#### Wednesday, Feb. 28

**7 p.m. Japanese Film Series.** "Black Rain" (1989). Shohei Imamura, dir. Sponsored by Asian & Near Eastern Languages & Literatures. Busch Hall, Rm. 100. 935-5110.

#### Friday, March 2

**6 & 8:30 p.m. Travel Lecture Film Series.** "Inside Iraq: The Untold Stories." Mike Shiley, dir. Graham Chapel. For costs: 935-5212.

### Lectures

#### Thursday, Feb. 22

**7:30 a.m.-5 p.m. Surgery CME Course.** "15th Annual Refresher Course and Update in General Surgery." (Continues 7:30 a.m.-9:30 p.m. Feb. 23, 7:30 a.m.-5 p.m. Feb. 24.) The Ritz-Carlton, St. Louis, 10 Carondelet Plaza. For costs and to register: 362-6891.

**Noon. Genetics Seminar Series.** "Function and Evolution of Human Cis-regulatory Sequences: From Extreme Conservation to Adaptive Divergence." Shyam Prabhakar, genomics div., Lawrence Berkeley National Lab., Calif. McDonnell Medical Sciences Bldg., Rm. 823. 362-2139.

**Noon. Social Work Seminar.** "Medicare Part D: Formularies, Beneficiary Choices and Policy Implications." Dan Gaylin, executive VP, NORC, Chicago. Co-sponsored by the Center for Health Policy. Goldfarb Hall, Rm. 132. 935-6693.

**4 p.m. Ophthalmology & Visual Sciences Seminar.** "GFL Neurotrophic Factors: Biology, Pharmacology and Clinical Development." Eugene Johnson, prof. of molecular biology & pharmacology. Maternity Bldg., Rm. 725. 362-3315.

**4:15 p.m. Earth & Planetary Sciences Colloquium.** "Who Constructed the Oldest

Fossilized Microbial Mats?" Michael Tice, postdoctoral scholar, geological & planetary science, Calif. Inst. of Technology. Earth & Planetary Sciences Bldg., Rm. 203. 935-5610.

#### Friday, Feb. 23

**9:15 a.m. Pediatric Grand Rounds.** "When Does No Mean No? Assent and Dissent in Pediatric Research." Rebecca Dresser, Daniel Noyes Kirby Professor of Law. Clopton Aud., 4950 Children's Place. 454-6006.

**11 a.m. Energy, Environmental and Chemical Engineering Seminar Series.** Glenn Waychunas, Lawrence Berkeley National Lab., Calif. Lopata Hall, Rm. 101. 935-5548.

**Noon. Cell Biology & Physiology Seminar.** "Emerging New Roles of Potassium Channels in Cardiac Function." Anatoli Lipatin, asst. prof. of molecular & integrative physiology, U. of Mich. McDonnell Medical Sciences Bldg., Rm. 426. 362-6950.

**12:30 p.m. Molecular Biology & Pharmacology Lecture.** Annual Oliver H. Lowry Lecture. "Nuclear Cloning, Stem Cells, Therapy: Promise, Problems, Reality." Rudolf Jaenisch, prof. of biology, Mass. Inst. of Technology. Moore Aud., 660 S. Euclid Ave. 362-0198.

**1 p.m. Skandalaris Center Innovators & Entrepreneurs Workshop Series.** "Examples of Entrepreneurs" and "Promoting Creativity and Innovation." Simon Hall. For information and to register: [sc.wustl.edu](mailto:sc.wustl.edu).

**2 p.m. Center for Materials Innovation/Mechanical & Aerospace Engineering Joint Seminar.** "Mechanical Response of Pyramidal Truss Core Sandwich Panels." Hilary Bart-Smith, asst. prof. of mechanical & aerospace engineering, U. of Va. Lopata Hall, Rm. 101. 936-6540.

#### Saturday, Feb. 24

**7:30 a.m.-12:40 p.m. Cardiovascular**

**Disease CME Course.** "9th Annual Update in Cardiovascular Diseases and Hypertension." Cost: \$75. Eric P. Newman Education Center. To register: 362-6891.

**11 a.m. MLA Saturday Seminar.** "Respect for Nature." Claude Evans, assoc. prof. of philosophy. McDonnell Hall, Goldfarb Aud. 935-6700.

#### Monday, Feb. 26

**8 a.m.-5 p.m. St. Louis STD/HIV Prevention Training Center Course.** "STD Intensive." (Continues 8 a.m.-5 p.m. Feb. 27-28.) Cost: \$125. For location and to register: 747-1522.

**2:30 p.m. Energy, Environmental and Chemical Engineering Seminar.** Nitin Baliga, asst. prof. of systems biology, U. of Wash. Lopata Hall, Rm. 101. 935-5548.

**4 p.m. Immunology Research Seminar Series.** "Not Enough Regulation in Innate Immunity." John Atkinson, Samuel Grant Professor of Medicine. Farrell Learning & Teaching Center, Connor Aud. 362-2763.

**5:30 p.m. Cardiac Bioelectricity and Arrhythmia Center Seminar Series.** "Inflammatory Pathways as Targets for the Treatment and Prevention of Atrial Fibrillation." David Van Wagoner, assoc. prof. of molecular medicine, Case Western Reserve U. (5 p.m. reception.) Whitaker Hall, Rm. 218. 935-7887.

#### Tuesday, Feb. 27

**Noon. Molecular Microbiology & Microbial Pathogenesis Seminar Series.** "Pathobiology of Prion Diseases: Loss, Gain, or Subversion of Function?" David Harris, prof. of cell biology & physiology. Cori Aud. 4565 McKinley Ave. 747-2132.

**Noon. Program in Physical Therapy Research Seminar.** 4444 Forest Park Blvd., Lower Lvl., Rm. B108. 286-1404.

**1 p.m. K12 Multidisciplinary Clinical Research Career Development Program Seminar.** "A Pilot Study to Determine Whether Disability and Disease Activity are Different in African-American and Caucasian Patients with Rheumatoid Arthritis." Richard Brasington, assoc. prof. of medicine. Center for Clinical Research Training, Conference Rm. 1. 454-8960.

**4 p.m. Chemistry Seminar.** "Towards Molecular Electronics: Selective Deposition of Metals on Patterned Self-assembled Monolayer Surfaces." Amy Walker, asst. prof. of chemistry. McMillen Lab., Rm. 311. 935-6530.

**4:15 p.m. Earth & Planetary Sciences Colloquium.** "Microbial Geochemistry at the Edge of the Biosphere: Geocatalysis, Growth and Diagenesis." Matthew Schrenk, NASA postdoctoral fellow, Carnegie Inst. of Washington. Earth & Planetary Sciences Bldg., Rm. 203. 935-5610.

#### Wednesday, Feb. 28

**4 p.m. Center for the Humanities Lecture.** "Jazz Sahara: The Music of Ahmed Abdul-Malik." Robin Kelley, prof. of history and American studies and ethnicity, U. of Southern Calif. (Reception follows.) Music Classroom Bldg., Rm. 102. 935-5576.

**4 p.m. Division of Biology & Biomedical Sciences "Frontiers in Human Pathobiology" Lecture Series.** Dan Goldberg, prof. of medicine. Farrell Learning & Teaching Center, Holden Aud. 362-4806.

#### Thursday, March 1

**Noon. Genetics Seminar Series.** "Complex Trait Neurogenetics of Serotonergic Transmission." David Airey, dept. of pharmacology, Vanderbilt U. McDonnell Medical Sciences Bldg., Rm. 823. 362-2139.

**12:30-5 p.m. Division of Biology & Biological Sciences Annual Postdoc Scientific Symposium.** Eric P. Newman Education Center. To register: [dbbs.wustl.edu/postdoc](http://dbbs.wustl.edu/postdoc).

**4 p.m. History Colloquium.** "The Education of Thelonius Monk." Robin Kelley, prof. of history and American studies and ethnicity, U. of Southern Calif. Co-sponsored by African & African American studies, American culture studies, music and the Distinguished Visiting Scholars program. (Reception follows.) Duncker Hall, Rm. 201, Hurst Lounge. 935-5450.

**4 p.m. Ophthalmology & Visual Sciences Seminar.** "Towards Imaging of Retinal Caspase Activity Using an Activatable Peptide Probe." Edward Barnett, assoc. prof. of ophthalmology & visual sciences. Maternity Bldg., Rm. 725. 362-3315.

**4-6 p.m. School of Law Symposium.** "The Dred Scott Case and Its Legacy: Race, Law and the Struggle for Equality." (Continues 8 a.m.-4:30 p.m. March 2, 8 a.m.-5:30 p.m. March 3.) Anheuser-Busch Hall. For costs, and to register: 935-7988.

**4:15 p.m. Earth & Planetary Sciences Colloquium.** "From Mountains to Microbes: Tectonic, Climatic and Biologic Controls of Chemical Weathering." Michael Hren, school of earth sciences, Stanford U. Earth & Planetary Sciences Bldg., Rm. 203. 936-5610.

#### Friday, March 2

**11 a.m. Boeing Center for Technology, Information and Manufacturing Operations and Manufacturing Management Seminar.** "Bayesian Retail Inventory Management When Records Are Inaccurate." Adam Mersereau, asst. prof. of business, U. of Chicago. Simon Hall, Rm. 241. 935-5577.

**11 a.m. Energy, Environmental & Chemical Engineering Seminar Series.** David Sedlak, prof. of civil and environmental engineering, U. of Calif., Berkeley.

## A cappella competition on campus

By NEIL SCHOENHERR

The University will host the Midwest regionals of the International Championship of Collegiate A Cappella (ICCA) at 8 p.m. Feb. 23 in Graham Chapel.

The regional is one of seven throughout the United States and western Europe.

The top two finishers will move on to compete in another regional competition in Chicago. The winning group from that event will move on to the ICCA international finals April 21 at the Lincoln Center for the Performing Arts in New York.

The Greenleafs, WUSTL's only all-female a cappella group, will host the regionals. Additionally,

WUSTL a cappella groups the Amateurs, After Dark and the Stereotypes will perform, along with groups from Missouri State University, the University of Missouri-Columbia, Milliken University and Saint Louis University.

"We're really excited to be a part of this event," said Emily Flanders, group coordinator for the Amateurs. "We are especially excited to have three WUSTL groups performing. It's going to be a great opportunity for us to sing together and have a great time."

Tickets are \$15 for general admission; \$8 for students. Tickets can be purchased in advance by calling (800) 827-2936 or visiting [varsityvocals.com](http://varsityvocals.com), or they can be purchased at the door.



# 'Mars, Venus or Planet Earth?'

BY BARBARA REA

**M**ichael Kimmel, Ph.D., a leading expert in the study of American male identity and behavior, will give a talk on "Mars, Venus or Planet Earth? Women and Men in a New Millennium" as part of the Assembly Series.

The talk, which is free and open to the public, will be held at 11 a.m. Feb. 28 in Graham Chapel.

Kimmel's pioneering work in the sociology of male culture has resulted in a better understanding of the complexity of gender identity and how it affects male-female relationships.

He also examines the women's movement in this context and offers insight into underlying reasons for sexual aggression, violence and harassment against women.

The State University of New York-Stony Brook sociologist is a prolific author, with a dozen books to his credit as well as numerous articles.

His books include "The Invisible Sex: Masculinity in Contemporary America," "The History of Masculinity" and "Manhood in America: A Cultural History."



Kimmel

A review in the San Francisco Chronicle referred to "Manhood in America" as "the most wide-ranging, clear-sighted and accessible book available on the mixed fortunes of masculinity in the United States."

His articles have appeared in a variety of publications, from the Harvard Business Review to The Village Voice to Psychology Today. His theories and books commonly are used in gender studies.

As the national spokesperson for the National Organization for Men Against Sexism, Kimmel frequently lectures and runs workshops on preventing sexual harassment and implementing gender equity, as well as on date/acquaintance rape, sexual assault, pornography and the changing relations between women and men.

He earned a bachelor's degree from Vassar College in 1972, a master's degree from Brown University in 1974 and a doctorate from the University of California, Berkeley, in 1981.

The talk is co-sponsored by the student group Reflections. Reflections is dedicated to educating the WUSTL community on issues concerning eating disorders and body image, including the unhealthy thought processes that contribute to disordered eating.

For more information, call 935-4620 or visit [assemblyseries.wustl.edu](http://assemblyseries.wustl.edu).

## Center for the Humanities faculty fellows series begins

**J**o Labanyi, professor of Spanish and Portuguese at New York University, will speak on "Facts and Fictions: Knowledge, Delinquency and Madness in Late 19th-century Spain" at 4 p.m. Feb. 27 in Umrath Hall Lounge.

Labanyi is the first speaker in the spring Faculty Fellows Lecture and Workshop Series sponsored by the Center for the Humanities in Arts & Sciences.

Her talk, drawing on Mary Poovey's "A History of the Modern Fact: Problems of Knowledge in the Sciences of Wealth and Society," will investigate the construction of deviance in 19th-century Spanish fiction. In particular, Labanyi will explore how such texts both create and transmit knowledge about delinquency and madness and how they inform contemporary understanding of Spanish literary history.

In addition, Labanyi will lead the workshop "The Gender of Knowledge in the Late 19th Century" at 1 p.m. Feb. 28 in McMillan Café. The workshop will focus on the rigid ordering of gender in 19th-century Spain and how such

ordering reflected a cultural obsession with the documentation of all forms of national life. Discussions will investigate the ways in which the marginalized, who did not fulfill the standard requirements of membership in civil society, were known both by others and to themselves.

Labanyi was invited to campus by 2007 Faculty Fellow Akiko Tsuchiya, Ph.D., associate professor of Spanish in Arts & Sciences.

"She has done groundbreaking work on Spanish literature, cultural history, film and gender studies," Tsuchiya said. "The sheer interdisciplinary breadth of her work — from 19th-century narrative to 20th-century cinema — makes her an ideal visitor for the Center for the Humanities."

The lecture series continues at 4 p.m. March 6 in Umrath Hall Lounge with a presentation by Tsuchiya on "Consuming Subjects: Female Reading and Deviant Sexuality in Late 19th-century Spain."

Subsequent speakers include:

- March 20: Guthrie P. Ramsey Jr., Ph.D., associate professor of

music, University of Pennsylvania, on "Gendering Black Musical Genius," 4 p.m. Umrath Hall Lounge; workshop on "The Blues Muse" 2 p.m. March 21, Music Classrooms Building, Room 102

- March 23: Gerald N. Izenberg, Ph.D., professor of history in Arts & Sciences, on "The Varieties of 'We': Collective Identities and Their Conflicts," 12 p.m., McDonnell Hall, Room 162

- April 17: Patrick Burke, Ph.D., assistant professor of music in Arts & Sciences, on "From Jazz Uptown: African-American Jazz Musicians and Racial Representation on Swing-era 52nd Street," 4 p.m., Brown Hall, Room 118

- April 24: Carol J. Greenhouse, Ph.D., professor of anthropology, Princeton University, on "Life Stories, Law Stories: Legalism and Narrative in the Ethnography of the United States," 4 p.m., Umrath Hall Lounge; workshop 11:45 a.m. April 25, Cohen Lounge, Busch Hall

All events are free and open to the public. For more information, call 935-5576 or visit [cenhum.artsci.wustl.edu](http://cenhum.artsci.wustl.edu).

## Sports

### Saturday, Feb. 24

**1 p.m. Women's basketball vs. U. of Chicago.** Wear red to the game in support of "Paint the Field House Red." Athletic Complex. 935-4705.

**3 p.m. Men's basketball vs. U. of Chicago.** Wear red to the game in support of "Paint the Field House Red." Athletic Complex. 935-4705.

## Worship

### Wednesday, Feb. 21

**12:05 p.m. Ash Wednesday Catholic Mass.** St. Louis College of Pharmacy, Whelpley Hall. [modde@washucsc.org](mailto:modde@washucsc.org).

**12:15 p.m. Ash Wednesday Ecumenical Ashes Service.** Catholic Student Center, 6352 Forsyth Blvd. [modde@washucsc.org](mailto:modde@washucsc.org).

**5:15 p.m. Ash Wednesday Catholic Mass.** Catholic Student Center, 6352 Forsyth Blvd. [modde@washucsc.org](mailto:modde@washucsc.org).

## And more

### Friday, Feb. 23

**4:30 p.m. Memorial Service.** In honor of Irene E. and Michael M. Karl. Farrell Learning & Teaching Center, Connor Aud. (Reception follows.) R.S.V.P. to 286-0073.

### Friday, March 2

**1 p.m. Skandalaris Center YouthBridge Workshop.** "Alliances and Collaborations" and "Measuring Outcomes." Simon Hall. [www.sc.wustl.edu](http://www.sc.wustl.edu).

## Carter Lewis play premieres

BY LIAM OTTEN

**C**onservative versus liberal, political versus personal, father versus daughter. Such are the forces at play in "civil disobedience," a world premiere drama by Carter Lewis, playwright-in-residence in the Performing Arts Department (PAD) in Arts & Sciences.

The PAD will present "civil disobedience" at 8 p.m. Feb. 23 and 24 and at 2 p.m. Feb. 25 in the A.E. Hotchner Studio Theatre. Performances continue the following weekend at 8 p.m. March 2 and 3 and at 2 p.m. March 4.

Commissioned by the PAD, "civil disobedience" centers on the relationship between Fred, a conservative justice on the Massachusetts Supreme Court, and his daughter, Marlee, a social activist and Manhattan bookstore owner.

When Fred steps down from the bench following the sudden death of his wife, Marlee is tasked with driving him to reluctant retirement in the liberal bastion of California.

Along the way, the pair encounters a cross-section of modern-day America — a cheerful drug dealer, a down-sized company man and a World Trade Center grief counselor whose brother is serving in Iraq.

"I was around in the 1960s, and I observed the student unrest over Vietnam," Lewis said.

"Today, we're in a situation that has a lot of similarities, but also some differences," Lewis added. "I'm interested in

how things have changed, and how our attitudes, our government and social structures affect the way we dissent."

"civil disobedience" marks the fourth collaboration between Lewis and director Andrea Urice, senior lecturer in the PAD.

The play is influenced by contemporary events and explores the intersection of politics and family.

"'civil disobedience' is a road play," Lewis said. "There's a lot of story, a lot of plot stuff. It almost has the structure of a mystery, with buried elements that eventually come to the surface."

The cast is led by senior Lauren Dusek as Marlee and James Anthony, a St. Louis Equity actor and guest artist in the PAD, as Fred.

Sharing the remaining roles are sophomore Justin Joseph and junior Noga Landau.

Costumes are by Bonnie Kruger, senior lecturer and coordinator of the PAD's Design & Technical Theatre Program.

Set design is by Justin Barisonek, a 2002 PAD alumnus and technical director for Saint Louis University.

Lighting design is by senior Derek Dohler. Sound design is by Chris Wilson, a 2006 PAD alumnus.

Tickets are \$15; \$9 for students, seniors, and faculty and staff and are available through the Edison Theatre box office at 935-6543 and all MetroTix outlets.

For more information, call 935-6543.

## Orchestra performs theatrical works

**T**he Washington University Symphony Orchestra will present a concert of music drawn from theatrical works at 3 p.m. Feb. 25 in Graham Chapel. The concert is free and open to the public.

Dan Presgrave, instrumental music coordinator in the Department of Music in Arts & Sciences, will conduct the concert, which highlights Aaron Copland's music for the ballet "Rodeo." Also on the program are the "Masquerade Suite" of Aram Khachaturian and Frederick Delius' "The Walk to the Paradise Garden."

The music for "Rodeo" is considered one of Copland's (1900-1990) signature achievements. Its theme, popularity and blend of folk tunes — along with the composer's own musical vocabulary — helped create a new sound, often labeled "American" within the classical music milieu.

Set on a Southwestern ranch, "Rodeo" plays out in five distinct musical sections: "Buckaroo Holi-

day," "Corral Nocturne," "Ranch House Party," "Saturday Night Waltz" and "Hoe-Down."

Following its successful 1942 premiere at the Metropolitan Opera House, Copland omitted the third section to form his noted suite for orchestra titled "Four Dance Episodes From Rodeo."

Khachaturian (1903-1978) is a Russian composer of Armenian heritage. In 1941, he was asked to compose incidental music for a melodrama, "Masquerade," by Mikhail Lermontov, which is set at a masked ball in St. Petersburg in 1830.

Delius' (1862-1934) "The Walk to the Paradise Garden" is a serene and placid instrumental interlude from his opera "A Village Romeo and Juliet."

The Washington University Symphony Orchestra comprises more than 70 members from across the University.

For information, call 935-4841 or e-mail [staylor@wustl.edu](mailto:staylor@wustl.edu).

## Record

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Lopata Hall, Rm. 101. 935-5548.

**2 p.m. Physics High Energy Astrophysics Seminar.** "Double Beta Decay and the Neutrino." Steve Eliot, Los Alamos National Lab. (1:45 p.m. coffee.) Compton Hall, Rm. 241. 935-6276.

**4 p.m. East Asian Studies Lecture.** Annual Stanley Spector Memorial Lecture on East Asian History and Civilization. "Imagination Without Borders: Feminist Artist Tomiyama Taeko and Social Responsibility." Laura Hein, prof. of history, Northwestern U. McDonnell Hall, Rm. 162. 935-4448.

### Saturday, March 3

**8 a.m.-3 p.m. International Health Conference.** "International Health Advocacy." Cost: \$12. Farrell Learning & Teaching Center. R.S.V.P. to [phr.washu@gmail.com](mailto:phr.washu@gmail.com)

### Monday, March 5

**2:30 p.m. Energy, Environmental & Chemical Engineering Seminar Series.** Ching-Hua Huang, asst. prof. of civil & environmental engineering, Georgia Inst. of Technology. Lopata Hall, Rm. 101. 935-5548.

**3 p.m. Neuro-oncology Research Group Seminar Series.** "Transgenic Glioma Models as Gene Discovery Tool." Abhijit Guha, U. of Toronto. South Bldg., Rm. 3907, Philip Needleman Library. 454-8566.

**5:30 p.m. Cardiac Bioelectricity and Arrhythmia Center Seminar Series.** "Real-time MRI: Its Applications for Diagnosis And Therapy." Elliot McVeigh, principal investigator, National Heart, Lung, and Blood Inst., Bethesda, Md. (5 p.m. reception.) Whitaker Hall, Rm. 218. 935-7887.

**6:30 p.m. Sam Fox School Architecture Lecture Series.** John Hoal, assoc. prof. of architecture. Lab Sciences Bldg., Rm. 300. 935-9300.

### Tuesday, March 6

Noon. Molecular Microbiology & Micro-

**bial Pathogenesis Seminar Series.** "Cell Polarity, Cell Morphogenesis and the Cytoskeleton from a Bacterial Perspective." Christine Jacobs-Wagner, Maxine Singer Assistant Professor of Molecular, Cellular and Developmental Biology, Yale U. Cori Aud., 4565 McKinley Aud. 362-1485.

## Music

### Thursday, Feb. 22

**8 p.m. Jazz at Holmes.** Maurice Carnes Jazz Machine. Ridgley Hall, Holmes Lounge. 935-4841.

### Sunday, Feb. 25

**3 p.m. Concert.** Washington University Symphony Orchestra. Dan Presgrave, dir. Graham Chapel. 935-4841.

### Thursday, March 1

**8 p.m. Jazz at Holmes.** Vince Varvel, guitar. Ridgley Hall, Holmes Lounge. 935-4841.

## On stage

### Friday, Feb. 23

**8 p.m. OVATIONS! Series.** DanceBrazil. Co-presented by Dance St. Louis. (Also 8 p.m. Feb. 24; 2 p.m. Feb. 25.) Cost: \$30, \$25 for seniors, WUSTL faculty and staff; \$18 for students and children. Edison Theatre. 935-6543.

**8 p.m. Performing Arts Dept. Presentation.** "civil disobedience" by Carter Lewis. Andrea Urice, dir. (Also 8 p.m. Feb. 24, March 2 & 3; 2 p.m. Feb. 25 & March 4.) Cost: \$15, \$9 for students, children, seniors, WUSTL faculty and staff. Mallinckrodt Student Center, A.E. Hotchner Studio Theatre. 935-6543.

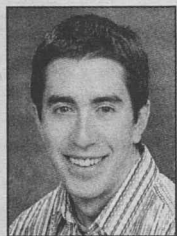


## Marlow

**First Team members  
chosen from nearly 600**  
— from Page 1

ences, appear in a center page spread of the paper's Life section. First Team members receive trophies and \$2,500 awards as representatives of all outstanding undergraduates.

Senior Laura A. Kleinman, a Danforth and Truman Scholar majoring in philosophy in Arts & Sciences from Indianapolis, Ind., and Troy J. Ruths, a junior majoring in computer science in the School of Engineering & Applied Science from Sugar Land, Texas, were both named to the



Marlow

third team. Jessica L. Friedman, a senior majoring in earth and planetary sciences and two-time winner of a Morris K. Udall Undergraduate Scholarship, received honorable mention.

Both Friedman and Marlow are members of the University's Pathfinder Program in Arts & Sciences, a four-year educational experience researching environmental sustainability.

"To have four students selected to USA Today's All-USA College Academic Team is tremendous recognition for them and Washington University in St. Louis," said Edward S. Macias, Ph.D., executive vice chancellor, dean of Arts & Sciences and the Barbara and David Thomas Distinguished Professor in Arts & Sciences. "Jeffrey Marlow's senior year has certainly been filled with outstanding accomplishments, having been awarded first a Marshall scholarship and now, a First-Team honor. He exemplifies the quality of student we have at Washington University. We're very proud of Jeffrey, as well as Laura Kleinman, Troy Ruths and Jessica Friedman."

This year's First Team members were chosen from almost 600

students nationwide who were nominated by their schools. They were chosen in a two-step process by judges who considered academics, breadth and depth of activities and leadership, as well as how they have extended their academic skills beyond the classroom.

Marlow is the son of Karla and James Marlow of Englewood, Colo. Earlier this school year he received a 2007 Marshall Scholarship, which provides full support for two or three years of study at any British university toward a second bachelor's degree or an advanced degree.

With the support of his Marshall scholarship, Marlow will enter Imperial College in London next fall and will work on development and testing of the Urey instrument, a component of the European Space Agency's ExoMars mission, which will reach Mars in 2013. The instrument's purpose is to collect Martian soil and analyze it for biological signatures.

Since the summer of 2005, he has been an Athena Team Student Collaborator on NASA's Mars Exploration Rover Mission and has studied boulder hazards at potential landing sites for NASA's Phoenix Mars Lander.

From the summer of 2004 through 2005, he worked with NASA scientists to characterize the geomorphology of the northern plains of Mars in order to investigate ground ice distribution and pinpoint areas of interest for the Phoenix Lander mission.

He has participated in student government in a variety of positions, including as one of two undergraduate representatives to the Washington University Board of Trustees in 2005-06, sitting on several committees and discussing University concerns with trustees. He also serves as treasurer for the ArtSci Council, the undergraduate student association of the College of Arts & Sciences.

Marlow has received numerous scholarships, including a Barry Goldwater Scholarship, an Arthur Holly Compton Scholarship, a J. Stephen Fossett Fellowship and a Robert C. Byrd Scholarship.

While Bt seed exacerbates the problem by creating yet another option, the farming troubles predate its introduction. In the late 1990s, there was an epidemic of farmer suicide in the Warangal District. Many farmers are deeply in debt and have been for generations.

Stone's study shows that a problem of recognition contributes to those woes. The farmers' desire for novelty leads to rapid turnover in the seed market. Seed firms frequently take seeds that have become less popular, rename them and sell them with new marketing campaigns, Stone said.

"Many different brands are actually the same seed," he said. "Farmers can't recognize what they are getting. As a result, the farmers can't properly evaluate seeds. Instead, they ask their neighbors. Copying your neighbor isn't necessarily a bad thing; but in this case, everyone is copying everyone else, which results in fads, not testing."

Stone argues that the previously undocumented pattern of fads, in which each village moves from seed to seed, reflects a breakdown in "environmental learning," leaving farmers to rely on "social learning." Stone refers to this situation as "de-skilling."

"The bottom line is that the spread of Bt cotton doesn't so much reflect that it works for the farmers or that the farmers have tested it and found it to be a good technology," Stone said. "The spread more reflects the complete breakdown in the cotton cultivation system."

## Missouri Supreme Court chief justice discusses Dred Scott at Assembly Series

BY KURT MUELLER

Missouri Supreme Court Chief Justice Michael A. Wolff will present "Race, Law and the Struggle for Equality: Missouri Law, Politics and the Dred Scott Case" as the Thomas D. Fulbright Lecture in American History for the Assembly Series at 4 p.m. March 1 in Graham Chapel.

Wolff's talk is the keynote address for the national symposium "The Dred Scott Case and Its Legacy: Race, Law and the Struggle for Equality," which commemorates the 150th anniversary of the U.S. Supreme Court decision in the Dred Scott Case. The symposium runs March 1-3.

The late Gov. Mel Carnahan appointed Wolff to the state Supreme Court in August 1998. Retained in office in the November 2000 general election, Wolff's term will expire in December 2012. He was



Wolff

elected to a two-year term as chief justice in July 2005.

In addition to the contributions Wolff has made to numerous law reviews and books, he writes the monthly column "Law Matters: Reflections of Chief Justice Michael A. Wolff" published in newspapers statewide.

Wolff was a law professor at Saint Louis University (SLU) from 1975-1998 and held secondary academic appointments in SLU's Department of Community Medicine and School of Public Health.

During a leave from SLU in 1993-94, he served as Carnahan's chief counsel.

While teaching, Wolff maintained limited trial practice, focusing mainly on health-care and employment law and constitutional issues.

Wolff earned a law degree from the University of Minnesota Law School and a bachelor's degree from Dartmouth College.

The lecture is free and open to the public.

For more information, call 935-5285 or visit [assemblyseries.wustl.edu](http://assemblyseries.wustl.edu).

## Dred Scott

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finished project," said David T. Konig, Ph.D., a symposium organizer, professor of law and director of the Legal Studies Program in the School of Law, and professor of history and of African & African American Studies, both in Arts & Sciences.

"This symposium will ask why and how this is so 150 years later and how it might be changed," he added. "It seeks to study and resume the struggle that the Scotts began in St. Louis and to be the focal point for reflection and recommitment to racial equality."

The symposium, which is free and open to the public, opens with a keynote address by Chief Justice Michael A. Wolff of the Supreme Court of Missouri at 4 p.m. March 1 in Graham Chapel. Wolff will discuss "Race, Law and

the Struggle for Equality: Missouri Law, Politics and the Dred Scott Case." (See story above.)

Panel discussions from 8:30 a.m.-4:30 p.m. March 2-3 in the Bryan Cave Moot Courtroom of Anheuser-Busch Hall will examine the case and its legacy from the Civil War to the present.

Panel moderators include leading scholars on race and the law. Among the panelists is Jack Greenberg, a Columbia Law School professor who argued for the NAACP before the Supreme Court in the 1954 *Brown v. Board of Education* case, which declared "separate but equal" unconstitutional.

Lynne Madison Jackson, the great-great-granddaughter of Dred and Harriet Scott, also will participate in the symposium.

March 3 features a session devoted to the theme of "From Scholarship to Citizenship," with St. Louis public school teachers interacting with panelists on how

scholarship can be integrated into school curricula.

Following that session, a judicial roundtable — featuring Wolff and others from the Supreme Court of Missouri — takes up the issues raised by the case and the lessons to be learned about the entry of politics into the judicial process.

The symposium concludes with a reception from 4:30-5:30 p.m. March 3 at Olin Library, where documents from the Dred Scott case collection of the Missouri State Archives will be on display. The exhibition includes the original petition to sue for freedom filed by Dred Scott April 6, 1846, in the St. Louis County Circuit Court.

For speaker information, to register and for a list of symposium sponsors including Arts & Sciences and the School of Law among others, visit [law.wustl.edu](http://law.wustl.edu) or [arts.wustl.edu](http://arts.wustl.edu) or [acsp/dred.scott](http://acsp/dred.scott).

## Crops

**Indian farmers rely  
on 'social learning'**  
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of change, the overwhelming number of choices in the seed market and the desire for novelty — all of which lead to lack of proper seed testing by farmers.

"There is a rapidity of change that the farmers just can't keep up with," Stone said. "They aren't able to digest new technologies as they come along. In Warangal, the pattern of change is dizzying. From 2003 to 2005, more than 125 different brands of cottonseed had been sold. But the seeds come and go. In 2005, there were 78 kinds being sold, but only 24 of those were around in 2003."

Bt cottonseed, genetically modified to produce its own insecticide, was introduced in India in 2002. Between 2003 and 2005, the market share of Bt seed — created through collaboration between Monsanto Co. and several Indian companies — rose to 62 percent from 12 percent.

Stone's research reveals that the increase resulted not from traditional farming methods of testing seed for efficacy, but from a pattern of "social learning" — farmers relying on word of mouth to choose seeds.

"Very few farmers were doing experimental testing, they were just using it because their neighbors were," Stone said. "There has been a breakdown in the process of farmers evaluating new seed technologies."

## Grants

**Investment paves way  
for broader initiatives**  
— from Page 1

cruiting a faculty member, two research fellows and two educational programs.

"We mean for this to be one of the most visionary partnerships in pediatric medicine," Gitlin said.

"The awardees show exceptional ability and promise," Gitlin added. "The majority are young investigators, and half are female. In this regard, the CDI is especially proud of its first faculty recruit, Christina Gurnett. She will begin work immediately within the new CDI-designated space in the McDonnell Pediatric Research Building."

Gurnett earned an M.D./Ph.D. from the University of Iowa and has been an instructor in neurology at the medical school. The award enables her to start her own laboratory here. St. Louis Children's Hospital's "Building for Care, Searching for Cures" campaign has raised \$118 million toward its \$125 million goal, a large part of which will fund the CDI.

Gitlin said he believes the CDI investment will pave the way for broader initiatives that can be sustained with funding from the National Institutes of Health.

What the CDI has done thus far is take the most important step just by getting started, he said.

"To plant the seed, that's the real accomplishment so far of the Children's Discovery Institute," Gitlin said. "It tills soil where it was never tilled before and puts

## Children's Discovery Institute recipients of funding grants

### New faculty

- Christina A. Gurnett, M.D., Ph.D., assistant professor of neurology and pediatrics

### Interdisciplinary research initiatives

- *Fetal origins of metabolic syndrome and cardiovascular disease*  
Kelle H. Moley, M.D., professor of obstetrics and gynecology  
Jean E. Schaffer, M.D., associate professor of medicine
- *Genetic basis of congenital heart disease*  
Thomas M. Morgan, M.D., assistant professor of pediatrics  
Patrick Y. Jay, M.D., Ph.D., assistant professor of pediatrics
- *Hypermutability of p53 in oncogenesis*  
Robi D. Mitra, Ph.D., assistant professor of genetics
- *Nanostructures in the diagnosis and treatment of pediatric brain cancer*  
Karen L. Wooley, Ph.D., the James S. McDonnell Distinguished University Professor in Arts & Sciences, professor of chemistry and of radiology  
Jeffrey R. Leonard, M.D., assistant professor of neurosurgery
- *Mechanisms of function and regulation of the pulmonary microcirculation*  
Allan Doctor, M.D., associate

professor of pediatrics

- *Comparative genomics of parturition*  
Justin C. Fay, Ph.D., assistant professor of genetics

- Louis J. Muglia, M.D., Ph.D., professor of pediatrics

- *Genetic basis of pleuropulmonary blastoma family cancer syndrome*  
D. Ashley Hill, M.D., assistant professor of pathology and immunology

- *Regulation of bone growth and development*  
Lijuan Zhang, Ph.D., assistant professor of pathology and immunology

- *Predoctoral and postdoctoral trainees*  
• Todd E. Druley, M.D., Ph.D., fellow in pediatric hematology-oncology

- Raja Natarajan, Ph.D., fellow in genetics

- *Unique educational programs*  
• *Program for the education of residents in Genomic Medicine of Congenital Heart Disease*  
Tyler Reimschisel, M.D., assistant professor of pediatrics

- *Educational symposium focusing on the genetic basis of musculoskeletal birth defects*  
Matthew B. Dobbs, M.D., assistant professor of orthopaedic surgery

the seed down and protects it for a while so something can grow that couldn't grow there before."

Investigators will report early results to the Scientific Advisory Board in six months.

Each grant focuses on one of

the following: interdisciplinary research initiatives, recruitment of new faculty, predoctoral and postdoctoral trainees and unique educational programs. All fall under one of the four centers within the CDI.



## Notables

### Introducing new faculty members

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

**Bruce Durazzi**, Ph.D., joins the Department of Music in Arts & Sciences as assistant professor. Durazzi earned bachelor's degrees in music composition and in English literature, both from Oberlin College, and a doctorate in music from Yale University. His research interests include politics and musical modernism, the music and aesthetics of Arnold Schoenberg and his school and gender studies in music. Before joining the WUSTL music faculty, Durazzi taught music theory at the University of Arizona and at Northwestern University. His current research in music theory emphasizes the relationship between music analysis and broader social, cultural and historical issues.

**Matt Gabel**, Ph.D., joins the Department of Political Science in Arts & Sciences as associate professor. He earned a doctorate in political science from the University of Rochester and a master's degree in advanced European studies at the College of Europe in Brugge, Belgium. He spent 1996-98 at the University of Michigan as a Robert Wood Johnson Foundation Scholar in Health Policy Research. His research interests include the political consequences of electoral laws, comparative democratic processes and American health policy.

**James Spriggs**, Ph.D., joins the Department of Political Science in Arts & Sciences as professor. His research interests are in American politics, with a specific emphasis on the scientific study of law and judicial process and politics. He is especially concerned with how institutions (i.e., formal rules or informal norms) shape the choices that judges make. This perspective focuses on how, in attempting to craft law consistent with their policy preferences, judges are constrained by institutional rules endogenous and exogenous to courts. He earned a bachelor's degree in philosophy from Westminster College, and master's and doctoral degrees, both in philosophy, from WUSTL.

**Melanie Jean Springer**, Ph.D., joins the Department of Political Science in Arts & Sciences as assistant professor. She earned a doctorate in political science from Columbia University in 2006 and specializes in American politics and quantitative methods. Her teaching and research interests include voting and elections, political institutions, state politics and policymaking, American political development, Congress, political parties and quantitative methods.

### Obituary

#### Ossorio, 85

Elizabeth D. Ossorio, Ph.D., an assistant professor at the George Warren Brown School of Social Work from 1963-65, died Thursday, Feb. 1, 2007, in Las Cruces, N.M., following a series of strokes. She was 85.

### Of note

**Dwight Towler**, M.D., Ph.D., professor of medicine, has received a one-year, \$215,147 grant from the Barnes-Jewish Hospital Foundation for "Bone and Mineral Diseases Research Operations." ...

The **Washington University orthopaedics center** under construction in west St. Louis County received a \$5,000 LEED (Leadership in Energy and Environmental Design) Incentive Grant from AmerenUE. The grants are designed to accelerate green building practices, energy conservation and environmental performance and to encourage construction of LEED-certified green buildings in the St. Louis region. Washington University and Barnes-Jewish Hospital have committed additional funds to obtain LEED certification for the center, a joint project of the University and Barnes-Jewish Hospital, and to adopt best green practices in its operation. ...

**M. Alan Permutt**, M.D., professor of medicine, has received a one-year, \$165,000 grant from the Juvenile Diabetes Research Foundation International for research titled "Notch Signaling in Beta Cell Development and Regeneration" and a one-year, \$92,054 grant from the National Institute of Diabetes and Digestive and Kidney Diseases for research titled "Metabolic Basis of Type 2 Diabetes Mellitus: a Genetic Analysis." ...

**Carter Revard**, Ph.D., professor emeritus of English in Arts & Sciences, was recently selected to receive the 2007 American Indian Festival of Words Author Award, which recognizes outstanding American Indian writers of this generation who have made significant contributions to American literature. The award consists of a cash prize of \$5,000 and a commemorative medallion. Recently, the book "The Salt Companion to Carter Revard" was published, which features a wide-ranging collection of essays on Revard and his work. ...

**Roberta Faccio**, Ph.D., assistant professor of orthopaedic surgery, has received a two-year, \$150,000 grant from the Arthritis Foundation for research titled "Role of PLC-Gamma2 in Inflammatory Arthritis." ...

**Daniel R. Mandelker**, J.D., the Howard A. Stamper Professor of Law, has been appointed to a joint committee of the American Bar Association that is studying the administrative and judicial review process in land-use decision-making. His report on city plan-

ning reform in New Orleans, which he prepared a few years ago, recently was accepted by the Land Use Committee of the Bring New Orleans Back Commission as the basis for revision of the city's charter. He is working with the Bureau of Governmental Research on charter revisions that are expected to be submitted at the next election. His co-authored casebook, "State and Local Government in a Federal System," was published last spring. He has lectured nationally on land-use topics and the National Environmental Policy Act, and spoke on the New Orleans charter reforms at the January meeting of the Association of American Law Schools. ...

**Audrey McAlinden**, Ph.D., research assistant professor of orthopaedic surgery, has received a two-year, \$150,000 grant from the Arthritis Foundation for research titled "Regulation of the COL2A1 Alternative Splicing Switch During Chondrogenesis." ...

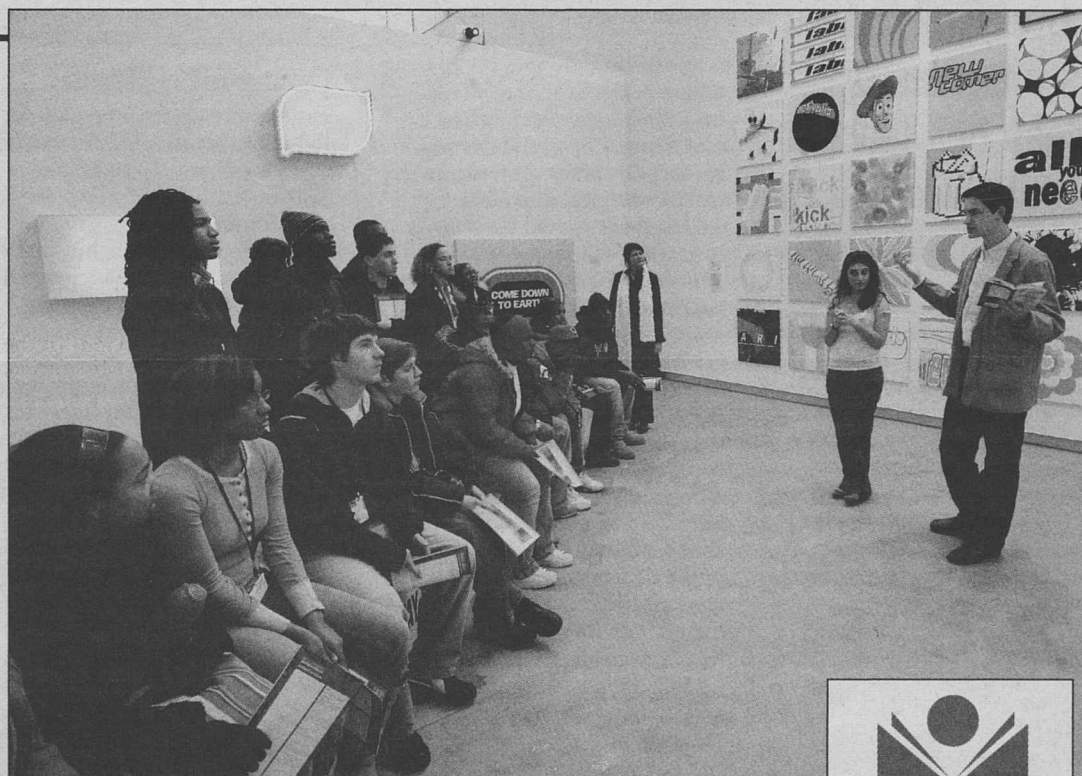
**Daniel P. Schuster**, M.D., professor of medicine, has received a one-year, \$109,468 grant from the Barnes-Jewish Hospital Foundation for research titled "FDG-PET Imaging as a Marker of Anti-inflammatory Drug Effects." ...

**Muthanna Al-Dahhan**, Ph.D., professor of energy, environmental and chemical engineering, has received a three-year, \$600,000 grant from the U.S. Department of Energy under its Nuclear Energy Research Initiative for research titled "Advancing The Fundamental Understanding And Scale-up of TRISO Fuel Coaters via Advanced Measurement and Computational Techniques." ...

**Samuel Klein**, M.D., the Danforth Professor of Medicine, has received a one-year, \$104,729 grant for the Obesity Program Fund and a one-year, \$54,031 grant for the David A. and Linda S. Yawitz Fund in Geriatrics and Nutritional Science, both from the Barnes-Jewish Hospital Foundation. ...

**Stephen Highstein**, M.D., Ph.D., professor of otolaryngology, has received a one-year, \$91,291 grant from Mount Sinai School of Medicine for research titled "Chemoanatomic Bases for Peripheral Vestibular Function." ...

**Thomas Meuser**, Ph.D., research assistant professor of neurology, has received a one-year, \$58,979 grant from the AAA Foundation for Traffic Safety for research titled "Medical Fitness to Drive and A Voluntary State Reporting Law."



**Literary lesson** Jewell Thomas (right), a sophomore majoring in English and in math, both in Arts & Sciences, and Kemper Art Museum docent Danika Cooper explain the art in the "Reality Bites" exhibit to University City High School students who were on campus Feb. 15-16 for events in conjunction with The Big Read community reading project. The museum annotated education guides and tied the themes of several works of art in the exhibit to themes in "Fahrenheit 451," the book chosen for this year's Big Read program. Following the museum tour, the students watched a production of "1984" at Edison Theatre. Other public schools participating were Clayton and the City of St. Louis.



## Sports

### Women's basketball wins UAA road games

The women's basketball team (19-5, 11-2 UAA) picked up two critical wins last weekend.

The Bears upended Carnegie Mellon University, 72-55, Feb. 16 in Pittsburgh. Senior Rebecca Parker recorded a double-double with 10 points and 11 rebounds.

Sophomore Jaimie McFarlin added 11 points and nine rebounds, while classmate Jill Brandt chipped in with a team-high 13 points.

On Feb. 18, WUSTL defeated No. 13/16 University of Rochester. McFarlin scored 14 of her career-high 20 points in the first half and shot 9-of-12 from the field for the game.

Parker added another double-double, her team-leading 10th of the season, with 20 points and 11 rebounds.

### Men's basketball earns split on road

The No. 11 men's basketball team earned a split last weekend. The Bears posted a 94-73 win at Carnegie Mellon University.

Junior Troy Ruths poured in a career-high 33 points to become the 16th player in program history with at least 1,000 career points.

Sophomore Tyler Nading finished with 21 points and eight boards, and sophomore Sean Wallis added 16 points and five assists. On Feb. 18, the Bears fell at University of Rochester, 66-61. The Bears dropped to 19-4 overall and 10-3 in UAA play.

Ruths scored a game-high 19 points and grabbed eight rebounds for the Bears, while Nading finished with 12 points and six rebounds. Wallis contributed 14 points, four assists and five rebounds.

### Men's, women's track and field shine at invite

The men's and women's track and field teams impressed Friday at the Hoosier Hills Invitational in Bloomington, Ind.

Senior Delaina Martin took first place in the weight throw, posting an NCAA-automatic qualifying throw of 17.17 meters. She added a team-season-best 12.21m in the shot put. Classmate Natalie Badowski finished third with 2:15.54 in the 800-meter dash. Badowski also ran the second leg of the 4x400-meter relay, which placed eighth in 4:02.15.

On the men's side, freshman Iby Umana set a team-season-best mark of 50.97 seconds in the 400 meters, while junior Marcus Woods (23.01) and sophomore Todd Mowry (23.03) posted strong times in the 200 meters. Sophomore Kevin Opp finished

### Undergrad admissions seeks airport greeters

The Office of Undergraduate Admissions is seeking staff volunteers to greet visiting high school seniors at Lambert-St. Louis International Airport March 22 and April 19.

The two days mark the beginning of the University's annual scholarship competition weekend and the Celebration weekend for students admitted to next fall's freshman class.

Last year, approximately 60 volunteers participated in the greeting.

The April weekend is sponsored by several student groups, including the Association of Black Students, the Asian-American Association, Ashoka (the Indian Student Association), the Association of Latin American Students and the Hawaii Club.

Volunteers are asked to work a two- to three-hour morning, afternoon or evening shift on either or both days.

Those interested in greeting prospective students at the airport are asked to call Lizzy Hancock at 935-9023 for more information.

the mile run in 4:25.41. Classmate Brent Sensenich added a personal-best mark of 14.00m in the shot put.

### Men's tennis falls at Division I Purdue, 7-0

The No. 8 men's tennis team suffered its first loss of the season in a 7-0 defeat at Division I Purdue University Feb. 17 in West Lafayette, Ind.

Washington University fell to 1-1. Purdue jumped out to an early 1-0 lead after sweeping doubles play. In singles, Purdue won five of the six matches in straight sets.

Sophomore Chris Hoeland was the lone Bear to win a set, posting a 7-6 victory in the opening set over Paul Foley at No. 3 singles. Foley responded by winning the second set 6-2, and took the decisive set 10-1.

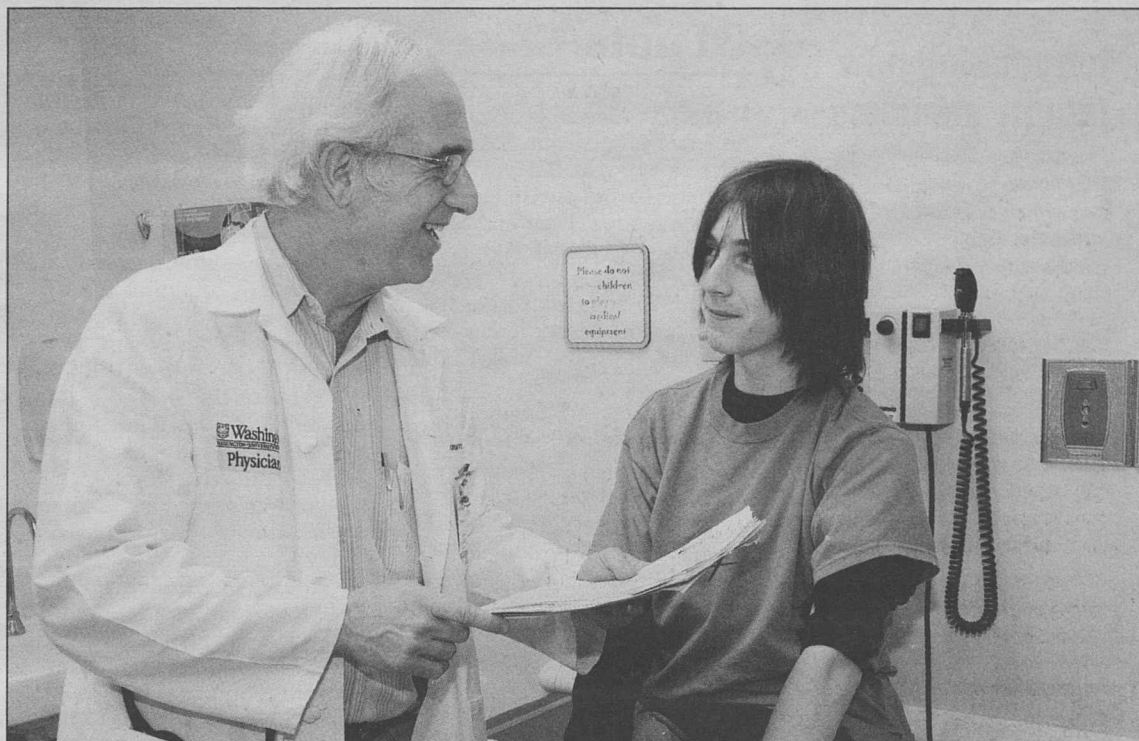


## Washington People

BY BETH MILLER

**T**hey simply call him "Dr. Bob." Referring to him in a more familiar style is a testament to how comfortable Robert J. Rothbaum, M.D., professor of pediatrics and clinical director of the Division of Pediatric Gastroenterology and Nutrition, makes his patients feel. That comfort is important with children who have sometimes uncomfortable or embarrassing problems such as constipation or diarrhea.

The same demeanor also makes him popular with first-year



Robert J. Rothbaum, M.D., with Jordan Allard, who came to see Rothbaum for a consultation. Rothbaum says his goal for his patients is to lessen limitations imposed by their illness. "When we do diagnose and treat a chronic GI [gastrointestinal] illness like inflammatory bowel disease, we work with the families to enable children to do everything that children without these problems do," Rothbaum says.

# A three-tiered career

Robert Rothbaum fills the roles of researcher, teacher and physician at the School of Medicine

medical students who are adjusting to their new setting.

Rothbaum divides his 25-year tenure at the School of Medicine into three "careers." His first career focused on cystic fibrosis, and his second career centered on gastroenterological disorders.

His third — and current — career is teaching medical students and working with the Department of Pediatrics and St. Louis Children's Hospital in programmatic matters. He continues to direct the clinical activities of the division and sees about 20 patients a week.

Cystic fibrosis is an inherited chronic disease that affects the lungs and digestive systems of about 30,000 children and adults in the United States, but physicians previously focused on treating malnutrition as well as its effect on the lungs, Rothbaum says.

The disease prevents pancreatic enzymes from helping the body break down and absorb food, so gastroenterologists were the main physicians to treat the disease.

However, when physicians began giving patients enzymes to help digest food, the main focus of the disease shifted to lung function and pulmonology.

"It became clear to me that being a non-pulmonologist treating cystic fibrosis was probably not optimal," Rothbaum says with dry wit. "With rapid advances in treating chronic lung disease and the advent of lung transplantation, the best interest of the patients and families required a sophisticated pulmonary-based leader."

That's when Rothbaum moved into his role as clinical director of the pediatric gastroenterology and

nutrition division, a post he has held since 1992.

### Caring for children

Rothbaum says what he likes about gastroenterology is that he sees a lot of patients who have gastrointestinal symptoms, such as abdominal pain, constipation or trouble swallowing, but many times those symptoms represent other disorders.

"The challenge is to identify if a serious disorder is present and if so, is it a GI problem, a metabolic disorder, a neurologic illness or a functional syndrome?" he says.

"GI symptoms can interfere with life in a big way, and we have to help patients through that."

"When we do diagnose and treat a chronic GI illness like inflammatory bowel disease, we work with the families to enable children to do everything that children without these problems do," he says. "We work hard to minimize limitations imposed by the illness."

That strength of purpose shines through in Rothbaum's long-time work with the Crohn's & Colitis Foundation of America. In gratitude for his involvement and support, the foundation named him Physician of the Year in 1998.

Rothbaum serves as the main pediatric medical resource for the Mid-America Chapter, giving talks, attending youth support-group meetings, serving on its medical advisory committee and board of trustees and acting as medical director for the foundation's Camp Oasis, held each summer at YMCA Lake of the Ozarks for about 50 children ages 8-17 with inflammatory bowel disease.

"Dr. Bob has been very instrumental in sending kids to our camp," says Jan Baron, executive director of the Mid-America Chapter. "He's fabulous with the kids — he takes them fishing, plays basketball with them and encourages them all the way in every activity — and they love him. He doesn't take any nonsense from anybody — he tells it like it is, but he's gentle with it."

### Caring for students

His no-nonsense yet easygoing attitude also carries over to the first-year medical students he teaches in "The Practice of Medicine I" course, for which he has been coursemaster since 2002. Rothbaum says he spends about 40 percent of his time on medical student education, which includes

designing a dynamic curriculum and meeting with students.

"This is a tough course," he says. "We set our goals high, help students learn the best ways to communicate with patients, listen with a professional ear, analyze clinical data, consider ethical dilemmas and delve into interactions between medicine and society. Designing dynamic, patient-based educational methods is exciting because the students learn the techniques and information so quickly."

"In the course, some of the students may come to me and say they didn't like a session," he says. "So I'll say: 'Let's sit down and think about that. What wasn't so good about it, and how would you like it to be different?'"

The students helped design the curriculum for several sessions in the course, including one on complementary and alternative medicine, another about sexual orientation and identity and taking patient histories and a third about palliative medicine.

Ariel Lyons-Warren, a first-year student, says Rothbaum has been "incredibly responsive" to the students' suggestions for the course.

"He has done an amazing job of revamping 'The Practice of Medicine I' course in response to student comments and has made an effort to get to know all the students, including inviting us in small groups to his home for dinner," Lyons-Warren says. "He also is very active — my favorite aspect of his lectures is that he has this habit of pacing on the stage when he's trying to think how to explain or answer a question."

Rothbaum received the Samuel R. Goldstein Leadership Award in Medical Student Education in 2004, an award from his peers, and his students praise him for his patience, graciousness and always providing a listening ear.

### Bringing out the best

Although Rothbaum's three "careers" seem varied, he says they reinforce each other.

"Each area has its potential to support and invigorate the others," he says. "When the medical students come to the office to see what I do, then I have to be especially sharp that day," he says with a laugh.

Phillip I. Tarr, M.D., the Melvin E. Carnahan Professor of Pediatrics, professor of molecular microbiology and director of the pediatric gastroenterology and nutrition division in the Department of Pediatrics, notes Rothbaum's generosity with his time.

"Bob has multiple attributes — he is energetic, ethical, perceptive and idealistic," Tarr says. "By words and most importantly by deeds, he

is immensely critical to the functioning of our group, from office staff to all of our faculty. He brings out the best in all around him."

Rothbaum is president-elect of the Medical Staff of St. Louis Children's Hospital, a term that will lead to two years as president of the organization, which deals with hospital policy, bylaws and "making sure things are running like they are supposed to," he says. One of his recent accomplishments was helping develop a specialized electronic order-writing system for intravenous nutrition.

A native of Indianapolis, Rothbaum earned a bachelor's degree from Brown University and a medical degree from the University of Chicago. He completed a pediatric residency and fellowship in ambulatory pediatrics at St. Louis Children's Hospital, then completed a fellowship in pediatric gastroenterology and nutrition at Children's Hospital Medical Center in Cincinnati.

He joined the School of Medicine faculty and St. Louis Children's Hospital in 1982.

Rothbaum and his wife, Cynthia, have five children ranging in age from 20 to 28. Because three children live in New York and two live in Colorado, the Rothbaums' main hobby is traveling to visit family, he says.

### Robert J. Rothbaum

**Family:** Wife, Cynthia; daughters, Martha, Emily, Rebecca and Laura; and son, Jacob

**On being a medical student:** "I could never get into medical school now. When I see these kids' grades, MCAT scores and the long list of things they did before coming to medical school, I'm amazed."

**On being clinical director of the Division of Pediatric Gastroenterology and Nutrition:** "My job is to make sure we have the right people at the right place at the right time to take care of patients and their families. With 6,000 outpatient family visits, almost 1,000 procedures, inpatient consultation and general pediatrics attending, our team has much to accomplish every day."

**University positions:** Professor of pediatrics; clinical director of the Division of Pediatric Gastroenterology and Nutrition; director of the Gastroenterology Endoscopy Unit; coursemaster for "The Practice of Medicine I"; president-elect of the Medical Staff of St. Louis Children's Hospital



The Rothbaum family on a recent New Year's Eve in Palm Springs, Calif. (From left) Martha, Emily, Rebecca, Robert, Cynthia, Jacob and Laura Rothbaum.