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Get out of bed!
Pneumonia patients can leave hospital sooner

Michael G. Purdy

Many advances in medical treatment involve complicated new technologies and procedures. But infectious disease expert Linda Mundy, M.D., associate professor of medicine, recently reported promising results with a new, simple pneumonia treatment: Get patients out of bed earlier and more often, and they’ll check out of the hospital an average of one day sooner.

“It was like looking at the ecological world on its head and, for the first time, we have high hopes of surpassing our largest campaign total of $500,000 — for the University’s 150th anniversary.”

Drastic times call for drastic measures. Even though the economy had hit a full and jobs were harder to come by, two months ago the University set its most aggressive goal ever — $500,000 — for the United Way campaign. And the faculty and staff have come through. So far, funds raised total more than $502,000.

This is an especially difficult time for many in the St. Louis region, as we are especially grateful for the continuing generosity of our faculty and staff members,” said Ann Prenatt, vice chancellor for human resources and campaign chair.

This feature will be included in each 2003-04 issue of the Record in observance of Washington University’s 150th anniversary.
Charity Navigator: WUSTL No. 1 in financial efficiency

Barbara Rea

Revised 8/07

How does one gauge a charity’s financial efficiency? Ask Charity Navigator, an online, independent source evaluating the financial health of more than 2,500 nonprofits.

According to Charity Navigator, Washington University leads the list of consistently excellent charitable giving colleges and universities in terms of financial efficiency. In its most recent annual ranking, Washington University received an overall rating of 69.58 out of a possible 70 points in Charity Navigator’s financial evaluation, putting it at the top spot among 50 top-rated academic institutions.

“Washington University is able to do more with the gifts we receive from our supporters than any other organization,” said T. Brian Binswanger, vice chancellor for alumni and development programs. “It attests to the generosity of our alumni, parents and many other friends, and is testament to the work done by faculty, staff and students to encourage and support us.”

This is not the first time the University has been recognized for its excellence in fiscal responsibility. Last year, the Web site ranked it as the best in a top-10 list of consistently excellent charitable-giving organizations.

“The fact that Washington University is able to do more with the gifts we receive from our supporters is a source of great pride for all of us,” Chancellor Mark S. Wrighton said. “Our efforts to encourage gifts translates into more programs, more facilities and more resources that advance our mission and support our students and faculty.”

To find out how Charity Navigator evaluates charities or to read information regarding other organizations, go online to charitynavigator.org.

Silvers’ gift supports students of French Renaissance

Barbara Rea

In his lifetime, Professor Silver advanced the Department of Romance Languages and Literatures by being a mentor, by being a great teacher, and by contributing to the world’s knowledge of the French Renaissance. Thanks to the fellowship fund, he will continue to add significantly to the scholarship in the department and to the future work of his colleagues and students.

Edward S. Macias

“Their wonderful generosity provides a great legacy for the department and for future scholars,” said T. Brian Binswanger, vice chancellor for alumni and development programs.

T. Brian Binswanger placed in the endowments of the fellowship fund, he will continue to add significantly to the scholarship of the department and to the future work of his colleagues and students.”

Edward S. Macias, Ph.D., executive vice chancellor and dean of Arts & Sciences, “Thanks to the fellowship fund, he will continue to add significantly to the scholarship of the department and to the future work of his colleagues and students.”

Candates for the Silver fellowship fund will be chosen by a committee of Silver’s colleagues and students.

With support from the estate of Edith and Edith Silver will the endow the fellowship in the French Renaissance. Thanks to the fellowship fund, he will continue to add significantly to the scholarship in the department and to the future work of his colleagues and students.”

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In recognition for his contribution to the French culture, the University has been honored by the French government. In 1962, he was decorated with the insignia of Chevalier de l’Ordre des Palmes Académiques, advancing in this order to the rank of officer in 1970.

France’s Cultural Endowment for the Arts from 1957 until his retirement in 1975. "In his lifetime, Professor Silver advanced the Department of Romance Languages and Literatures by being a mentor, by being a great teacher, and by contributing to the world’s knowledge of the French Renaissance," said Edward S. Macias, Ph.D., executive vice chancellor and dean of Arts & Sciences. "Thanks to the fellowship fund, he will continue to add significantly to the scholarship of the department and to the future work of his colleagues and students.”

Sixty shuttle departures will be available on the normal break schedule.

Airport shuttles offered for Thanksgiving break

By Neil Schoenherr

Skipped the hassle of getting to the airport and parking to make it home for Thanksgiving break? Don't be.

The University Parking & Transportation Services, in cooperation with the Office of Residential Life, will be offering airport transportation to students, faculty and staff during the Thanksgiving holiday.

Schedules and locations and staff can purchase tickets for $15 (round-trip; tickets available only at the Wold Student Center help desk (1 p.m.-1 a.m. Monday-Friday, 7 a.m.-1 a.m. Saturday and Sunday) or at The Village office

Washington University is celebrating its 150th anniversary in 2003-04. Special programs and announcements will be made throughout the yearlong observance.
Mouse genes may aid lung cancer research

By Michael C. Purdy

School of Medicine researchers have identified mouse genes to the increased creation and the growth of lung tumor cells—a finding that may aid in developing methods with similar effects in humans.

“Most people regard lung cancer in humans as something primarily caused by tobacco smoke,” said Ming Yu, M.D., Ph.D., professor of surgery and a researcher at the St. Louis Cancer Center. “But there is epidemiological evidence implying that even among heavy smokers, a genetic component puts some people more at risk of lung cancer than others.”

According to Yu, the findings are noteworthy because it has taken a decade in the search for lung tumor susceptibility genes in mouse models. Researchers have already identified genes in human DNA similar to the two mouse genes, lung adenoma susceptibility gene I (Las-1) and Ki-rin rat sarcoma oncogene 2 (Kras2). Yu's team and their collaborators received prestigious AAMC award

By Kimberly Leving

The Association of American Medical Colleges has named Kenneth M. Ludomirsky, M.D., professor of pediatrics in the School of Medicine, the new director of pediatric cardiology at St. Louis Children's Hospital.

Ludomirsky, who has served in an instrumental role in the development of novel imaging and therapeutic procedures for children with congenital heart disease, including transesophageal echocardiography and three-dimensional echocardiographic reconstruction, was previously the chief of pediatric cardiology at the University of Washington.

Ludomirsky also plans to establish a digital imaging laboratory. "Digital imaging will improve communication with the hospital and medical school staff as well as enhance the University's relationship with the 11 other satellite clinics in the state. He also plans to expand the division by recruiting six more physicians over the next three years," Ludomirsky said.

"I want families from all over the world to have a child with congenital heart disease come here because they know this is where their child will get the best care," he said.

After earning his medical degree from the Sackler Medical School at Tel Aviv University in his native Israel, Ludomirsky returned to his country as a major and a physician in the research and development branch of the Medical Corps of the Israel Defense Forces, where he was stationed on the front lines.

He then completed a residencies in pediatric cardiology at Hadassah Hospital in Jerusalem, followed by a fellowship at Baylor College of Medicine in Houston.

Ludomirsky came to Washington University from the University of Michigan, where he was director of the echocardiography laboratory at the Michigan Congenital Heart Center at C.S. Mott Children's Hospital.

Deciding to come to Washington University was an easy decision for Ludomirsky. He said it took him "less than one minute" to visit the medical school facility because of the amazing opportunities for cutting-edge care with research and education.

Ludomirsky's wife, Iris, and youngest daughter, Avital, 14, are enjoying St. Louis but still head back to the University of Michigan for Wolverine football games.

The couple's son, Ohad, 27, works in Chicago as a financial consultant and their oldest daughter, Efrat, 25, moved back home last year to work as an event planner for medical conferences.

"I am the luckiest man in the world because of my wife and family," he said. "My wife is the reason why I have been able to devote my career to improving the lives of children with congenital heart disease."
Humanity and the soul
Ronald K. Brown/EVIDENCE at Edison Theatre

Inspired by African-American storytelling traditions, the powerful, impassioned and thoughtful dances of choreographer Ronald K. Brown come to St. Louis for the first time Nov. 21-23 when Dance St. Louis and the Edison Theatre OVA-TIONS! Series will present his dance company, Ronald K. Brown/EVIDENCE.

The program includes three works: High Life, built upon images of migration and change; Upside Down, a strongly African work about loss and growth out of love and loss; and Come Ye, which premiered Oct. 21 in New York and was inspired by the music and legacy of the late jazz vocalist Nat "King" Cole.

The Edison Theatre performance will begin at 8 p.m. Nov. 21-22 and at 7 p.m. Nov. 23. In addition, Edison Theatre will present a special social performance as part of the events for young people series at 11 a.m. Nov. 22.

Brown and raised in Brooklyn, N.Y., Brown founded the eight-member EVIDENCE in 1985 at the age of 19. The company's name, he said, reflects a desire that its work represent all the information that has gone into us — the stories, the history, I want ed that the company be a part of our lives. It's really the human experience.

Brown frequently incorporates poems, letters and historical texts into his work. For example, Come Ye includes a poem that explains the piece "as a celebration/and an exhibition of human heroes/that are waiting for us to become/ourselfs."

Come Ye also features music by Simone, the legendary singer, pianist, arranger, composer and "high priestess of soul" who died April 21 at 70. In addition to her music, Simone was celebrated for her commitment to the Civil Rights Movement, and Come Ye includes films of civil rights demonstrations as well as portraits of Simone, Gandhi, Malcolm X and the Rev. Dr. Martin Luther King Jr.

Come Ye's world premiere, Claudia La Rocco of The Associated Press wrote, "Brown's choreography is infused with an intensity but never precipitously spiritual urgency that seems equally at home at church, in the dance hall on the street corner."

Upside Down (1998) is an excerpt from the full-length evening Destiny. It is truly African in flavor, full of multirhythm and earth-centered West African influences. The music is by Mali singer Oumou Sanga and Fulani king of Niani.

High Life (2000) draws parallels between the journeys of American Blacks from the rural South to the urban North and the migration of Africans from villages to developing cities. It explores the gains and losses of change, the formation of new beginnings and the disappearance of traditional values.

In keeping with its theme, High Life incorporates movements from jazz and the urban social dances now popular in Africa's Pokey Coast. The work is set to the music and poetry of Oscar Brown Jr., Nikki Gio vanini, the IF's (James Brown's band), Mungo, Fred Andah, Kuti and Vummi Olayea.

Dance magazine called Brown's style "a polyglot African-cresthip-hop-postmodern vocabulary that he invented."

Sarah Kaufman wrote in The Boston Globe, "Brown's choreography has zoomed to the forefront of modern dance by virtue of its exquisitely sculpted movements and a compelling offering of dance spring flows and a deep well of spiritual urgency.

In addition to his work for EVIDENCE, Brown has created three works: High Life, Upside Down, and the Edison Theatre OVA-TIONS! Series. Subsequent events with EVIDENCE include three co-presentations this season with Edison Theatre's OVA-TIONS! Series. Subsequent events will include a weekend of performances at the Edison Theatre and the Missouri Arts Council, the Missouri Arts Council, the Regional Arts Commission, the National Endowment for the Arts and others.

For more information, call 935-4633.

Exhibits


Film Screenings


Medical Trajectories/Neurology and Neuroscience/Neurology

"Legalizing the Human Experience: A Critical Look at the Neurological Underpinnings of Schizophrenia, Depression, and Bipolar Disorder." 4 p.m. Sam Fox Arts Center Lecture. 935-2501.

McKinley Hall, St. Louis, Mo.

Wednesday, Nov. 19


Professor of Neurology, Columbia U. Co-sponsored by University Department of Neurology, Columbia U.


Professor of Neurology, Columbia U. Co-sponsored by University Department of Neurology, Columbia U.

Saturday, Nov. 21

"Understanding and Managing Opioid Addiction: Repealing the Stigma of Addiction and Reauthorizing Community Healthcare." 8 p.m. Biology Seminar. 935-2501.

Professor of Neurology, Columbia U. Co-sponsored by University Department of Neurology, Columbia U.


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Murray to speak on medieval architecture and new media

By ELMOTT OFFEN

Stephen Murray, a leading authority on medieval art and architecture and founder of the Visual Media Center at Columbia University, will speak on "Medieval Architecture and the New Media: Representing and Creating Humantistic Content" at 6 p.m. Nov. 19 at the Gallery of Art.

A reception for Murray will immediately follow the talk.

A specialist in Romanesque and Gothic architecture, Murray is a pioneer in developing online academic and visual arts resources. In 1994, he assembled a group of scholars and computer specialists to create three-dimensional models, original video, computed animations and other materials exploring the 13th-century Amiens Cathedral, the tallest complete cathedral in France (learn.columbia.edu/record.wustl.edu).

"The Amiens project led to the founding, in 1995, of the Visual Media Center, which has since developed dozens of Web sites and a database of more than 20,000 images (and growing). These range from analyses of the Parthenon frieze and Piccaso's Les Demoiselles d'Avignon to virtual tours of the Amiens excavation in Egypt, the Alhambra palace complex outside Granada, Spain; and Frink's Loyo Wright's Fountains building in Revere, Mass.

Other projects include several films and an interactive ground plan of the enlarged Cathedral of St. Peter at Beauvais, France, once the tallest building in Europe; and ongoing documentation of some 400 Romanesque churches in the former province of Bourbons.


He joined the Columbia faculty in 1986, prior to which he taught at Harvard University and Indiana University, where he served as founding director of the School of Fine Arts.

His numerous honors and awards include a 1988 Guggenheim Fellowship, and in 1992 he was appointed by the French Ministry of Culture to the scientific committee charged with overseeing part of the restoration of Amiens. He now is the Henry S. and Edith L. Altschul Fellow at the National Humanities Center, outside Durham, N.C.

Murray's lecture is free and open to the public and is sponsored by the Visual Arts Center. His visit is co-sponsored by the Friends of the Visual Arts Center.

For more information, call 935-9547.

Saturday, Nov. 22
8 p.m. Faculty Recital. Myriam-Vanek/Schubert, piano. Reynolds Hall. 935-9441

Sunday, Nov. 23
3 p.m. Concert. Washington University Symphony Orchestra. Dr. Gerald Chapman. 935-9441

On Stage

Friday, Nov. 14
8 p.m. Performing Arts Department Production. "The Producers." Stephen Sondheim. Amherst Phipps, dir. (Also 8 p.m. Nov. 15, 21 and 22; 2 p.m. Nov. 16 and 17.) Cost: $10 for WUSTL students, faculty and staff. McKeon Student Center, A.E. Hotshower Theater (935-9543).

Saturday, Nov. 15
8 p.m. UNITE/Amherst's La Belle Soiree. "Lust for Life." Breakfast, noon. Student Union. "Lust for Life" is directed by WUSTL student under 17 and WUSTL students. Edison Theatre. 935-9452

Friday, Nov. 21

Saturday, Nov. 22

Saturday, Nov. 22
7 p.m. Gallery of Art Public Exhibition. "The Academic Collection." A special donation benefiting the Gallery of Art. 935-9023

Saturday, Nov. 22

Construction Update

Construction Update is published periodically and provides information about the progress of major University building and renovation projects on the Hills, Medical and West campuses. Information is provided to the Record by facilities management.

Earth and Planetary Sciences Building

The majesty work continues with the granite and limestone facade. The roofing is quickly progressing to provide dry conditions for interior work. Par- tition framing continues on all levels, and drywall and painting are progressing well. Mechanical, electrical and plumbing contractors continue to work from the lower level up to the attic-level floor. Work will continue to focus on completing the mechanical and electrical work in the building. Flooring work will start soon, allowing for placement of the lab casework.

Olive Library

Levels A, B and 2 are complete and occupied.

Executive Tower (Level 1 (ground level) is nearly complete. Level 2 (the basement) is complete at the north and south sides. The sprinklers are complete on the south side and continue on the north. The wall framing is nearly complete on both sides, while the painting has started on the south side ceilings. The bathroom rough-ins are ongoing. The floor framing and leveling has started.

The Level 3 demolition is complete and the sprinkler piping is nearly complete. Mechanical, electrical and plumbing contractors continue, and the drywall work for the painting of the con- crete deck is under way. The dry- wall framing is nearly complete, and the hardwood floor is being worked on under way at the south side. The glass curtain wall is complete at the north and south sides. At the penthouse, the sprinkler lines are complete, and the HVAC and insulation work are underway.

Shepley Drive extension

The roadway connecting the South 40 and Forsyth Boulevard via Wallace Drive is complete. The traffic signal is installed and working, and the roadway is open. Most of the landscaping is complete.

Phase II B Housing

At the site where Elloe Residence Hall used to stand, new founda- tion(s) have been poured and the superstructure of structural steel has begun. The exterior stucco and morter walls in the basement as well as placement of first-floor deck- ing is underway.

Phase II Garage

Adjoining to Phase II B Housing, the 40-inch wall on the north side of the site is complete. The formwork for the columns have begun. The columns will soon be formed and placed.

United Way

St. Louis region ranks eighth in the nation, the St. Louis region is eighth in the nation, the United Way.

"The United Way provides assistance to more than 200 health and human service organizations in Missouri and Illinois, with one in three people in the region being helped by a United Way-assisted organization."

"I want to thank our campus campaign co-chairs and our many volunteers for their hard work in driving another successful campaign for the United Way," Prenatt said. "So many people are involved with the United Way through the United Fund agencies that, if it were not for the financial support of the United Way, could not exist."
**Sports**

Commercial systems using FPX being built — from Page 1

use this malware to bring down crucial components of our corporate infrastructure and military. It is in this same way that a human virus spreads among people who come into contact with each other, any computer virus spreads when computer communications become infected with each other over the network.

Viruses spread when a computer user downloads infected or malicious software, opens a malicious attachment, or executes a malicious computer program over a network. A virus spreads over the network automatically whenever malicious software exploits one or more vulnerabilities in the operating system, a web server, a database application or an email exchange system.

Existing gevurs are little to protect against such attacks. Once a few systems are compromized, other systems are infected and the problem quickly spreads throughout a network. As is the case with the spread of a computer virus like SARS, the number of infected computers will grow exponentially unless contained.

The speed of today's computers and web servers is increasing so quickly, however, that a computer virus or Internet worm spread much faster than human intervention could intervene.

"In the case of SARS, over 1 million people were infected within the first 24 hours, and 200,000 more were infected within a week."

"Today, most viruses and worms are not detected until after they reach an end-user's personal computer. It is difficult for companies, universities and government agencies to maintain network-wide security.

"Placing the burden of detection on the end-user is inefficient and unhealthy because individuals tend to ignore warnings about new protection software and the latest security updates."

Lockwood said, "New threats are discovered by not all users take the time to download and install the updates they are posted, for an IT department to eradicate old versions of vulnerable software running on end-system computers."

The high speed of the FPX makes it an ideal platform to implement Field Programmable Gate Array (FPGA) circuits, Lockwood said. These circuits are used to scan and filter Internet traffic, for worms and viruses using FPGA circuits that operate in parallel.

Lockwood's group has developed several systems that rapidly scan streams of data looking for regular or regular patterns. They do so in order to find the signatures of malicious code carried within the payload of Internet packets.

"On the FPX, we can reconfigure hardware to dynamically reconfigured over the network to search for new attack patterns that we are looking at these morbo-encephalites in a biological context. Most of the work comes from the epidemiological, genetic and/or molecular biology perspectives,

"A community ecologist, and a population ecologist, came to conclusion by accident.

"With the help of University researchers also found the

"On the FPX, the reconfigurable hardware can be dynamically reconfigured over the network to search for new attack patterns that can be immediately programmed to search for their signatures. Each malicious device or virus spreads over the network, so it is critical that we look at it as a network of devices that can protect thousands of users. By installing multiple devices at key locations throughout a network, large networks can be protected."

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John Lockwood

"We still don't know why this therapy helps. Being upright may have made patients feel they were getting better, allowed better distribution of the antibiotics to the part of their lung that's collapsed or led physicians to perceive patients were doing better and therefore send them home."

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"Lo-Mundy said, "and it was nice to see the results.financial resources available to us."

"If it is helpful, let's start helping people go home sooner and benefit from it," she said.

"The device itself integrates easily into existing Gigabit Ethernet and kernel-based Network Address Translation (NAT) systems."

"The FPX itself fits within a network of devices that can be installed in any network closet. When one FPX is detected, the system can either eliminate or prevent that device from spreading, or generate a pop-up message on an end-user's computer. An administrator uses a simple, pattern-based interface to control and configure the system.

**Women's soccer nabs second league title**

*For complete sports schedules and results, go to bearports.wustl.edu*

Fredman Sara Schneider scored the game-winner in the 90th minute to give the Bears a 2-1 overtime win over the No. 17 women's soccer team (13-2-3 overall, 5-1-1 University Athletic Association) and give them their second straigh West Point, 3-1-1. The league title was the second overall title for the Bears, and the first since 1995. The NOAAs tournament was scheduled to start on Nov. 12, with the Bears hosting Logan College. Game results were not available at press time.

The second round is scheduled to start today.

**Other updates**

The volleyball team has done it again. For the 15th straight year, the Bears were crowned UAA champions, and they have a guaranteed automatic bid into the NCAA tournament.

The football team wrapped up its third-straight outright UAA title and fourth in the past five years with a two-point win at Carnegie Mellon. The Bears (6-4-0, 5-1-0) extended their school-record streak of winning season-openers, 23-0, and finished the regular season with a four-straight wins for the second straight year.

Senior Mike Decker scored two fourth-quarter touchdowns to give the Bears the 29-25 lead with 5:54 left. Carnegie Mellon cut the Bears lead to 37-35 with one second remaining in the game on a 1-yard touchdown run by junior Brad Stanley, but the Bears defense stopped CMU on the two-point conversion on the win.

Sophomore Brad Duesing caught 10 balls for 118 yards, as he became the third player in Division III history to have back-to-back 1,000 receiving yard seasons in his first two years. In addition, his 100 catches set a season record for receptions in a season.

Junior Kevin McCarthy led the Bears on the ground with 89 yards on 15 carries.

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"Lo-Mundy said, "and it was nice to see the results. financial resources available to us."

"If it is helpful, let's start helping people go home sooner and benefit from it," she said. "It's so simple — sometimes less is more."
Notables

Almei S. Chang, M.D., clinical and research fellow in reproductive endocrinology and infertility, has received a two-year, $60,000 Ortho-McNeil Research Grant in Reproductive Medicine from the American Society for Reproductive Medicine.

Kristen Neely, Ph.D., has received a three-year, $20,000 grant from the Leukemia and Lymphoma Society.

Aimee S. Chang, Ph.D., professor of psychiatry, has received a five-year, $50,000 EMF/Career Development Grant from the Robert Wood Johnson Foundation.

Anne Cross, M.D., associate professor of emergency medicine, has received a one-year, $50,000 EMI-Career Development Grant from the American Heart Association.

Hrvoje Heicovic, research fellow in neurology, has received a one-year, $19,396 National Multiple Sclerosis Research Center Award from the National Multiple Sclerosis Society.

Lawrence Lewis, M.D., associate professor of emergency medicine, has received a one-year, $20,000 EMI-Career Development Grant from the American Heart Association.

Wei Liu, research fellow in oncology, has received a one-year, $19,000 predoctoral fellowship from the American Heart Association.

Edwin B. Fisher, Ph.D., professor of pathology, has received a one-year, $68,690 project support grant from the Robert Wood Johnson Foundation.

Kelle H. Maley, M.D., assistant professor of medicine and oncology, has received a one-year, $54,000 Cancer Project Support Grant from the Robert Wood Johnson Foundation, Inc. for research titled "TRAIL/KILLER and Reproduction in the Dalmatian Mouse".

Bettina Mittendorfer, Ph.D., research assistant professor of medicine, has received a two-year, $120,424 grant from the Heartland Affiliate Research Committee of the American Heart Association for research titled "VLDL-transport and Gene expression in response to Exercise in Lean and Obese Subjects: Influence on Postprandial Energy Utilization".

Laurie Russell, research fellow, has received a two-year, $69,630 fellowship grant from the Heartland Affiliate Research Committee of the American Heart Association for research titled "Role of Lipid Biochemistry in Angiogenesis and Inflammation".

Janje Chot, postdoctoral fellow, has received a two-year, $42,000 grant from the Heartland Affiliate Research Committee of the American Heart Association for research titled "Cloning and Characterization of Human Intercalated Disc Proteins".

Richard Masla, Division of Basic Research at Biomedical graduate resident research assistant, has received a two-year, $42,000 grant from the Heartland Affiliate Research Committee of the American Heart Association for research titled "Structural and Functional Studies of the Nudix Hydrolase Nucf120".

Stuart B. Boxerman, assistant professor of administration and policy research, has received a one-year, $20,702 grant from the Department of Health and Human Services Health Resources and Services Administration for research titled "Health Administration Training and Special Projects".

Andres Jaramillo, Ph.D., research assistant professor, has received a one-year, $121,000 grant from the Heartland Affiliate Research Committee of the American Heart Association for research titled "Regulatory Elements Controlling Elastin Transcription".

Linda J. Sandell, Ph.D., professor of orthopaedic surgery, has received a three-year, $597,240 grant from the National Institute of Arthritis and Musculoskeletal and Skin Diseases for research titled "Regulation of Gene Expression in Cartilage" and a three-year, $665,550 grant from the National Institute of Arthritis and Musculoskeletal and Skin Diseases for research titled "Cis Regulatory Motifs in Adult Articular Chondrocytes".

Jeffrey H. Miler, Ph.D., assistant professor of medicine, has received a two-year, $277,534 grant from the National Institute of Arthritis and Musculoskeletal and Skin Diseases for research titled "Role of EAF TP in Skin Development".

Monica Bender, M.D., associate professor of medicine, has received a three-year, $596,782 grant from the National Cancer Institute for research titled "Role of the PNI Phenotype in Leukemic Transformation".

William F. Stanson, M.D., professor of medicine, has received a two-year, $205,210 grant from the National Institute of Diabetes and Digestive and Kidney Diseases for research titled "Celiac Disease in Ostropeans".

Barbara A. Zehnbauer, Ph.D., associate professor of pathology and immunology, has received a three-year, $392,549 grant from the National Cancer Institute for a St. Louis Breast Cancer Tissue Registry.

Robert H. Mach, Ph.D., professor of radiology, has received a one-year, $191,730 grant from the National Cancer Institute for research titled "PET Imaging of Breast Cancer Via Simga-2 Receptor".

Howard L. McCloud, Ph.D., associate professor of medicine, has received a two-year, $356,595 grant from the National Cancer Institute for research titled "Pharmacogenetics Advanced Colorectal Cancer".

Miro Schootman, Ph.D., assistant professor of medicine, has received a two-year, $297,902 grant from the National Cancer Institute for research titled "Genital and Breast Cancer Screening in St. Louis".

David A. Rudnick, M.D., instructor in pediatrics, has received a three-year, $153,000 grant from the National Institute of Diabetes and Digestive and Kidney Diseases for research titled "Liver Regeneration in Pediatric Liver Disease".

Ann Connolly, M.D., associate professor of neurology, has received a three-year, $287,006 grant from the Muscular Dystrophy Association for research titled "Role of Complement 3 and B-Cells in Muscular Dystrophy".

T.S. Eliot Lecture Chancellor Mark S. Wrighton (left) and author David Cannadine enjoy a laugh after Cannadine delivered the annual T.S. Eliot Lecture in St. Louis. Nov. 10 to an audience of near- to 300 in May Auditorium in Simon Hall, Cannadine, the first Queen Elizabeth The Queen Mother Chair of British History at the Institute of Historical Research at the University of London, has authored several books on British history. Titled "Churchill and America," the lecture was sponsored by Arts & Sciences and the Office of International Alumni and Development Programs.

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