

6-9-2006

Washington University Record, June 9, 2006

Follow this and additional works at: <http://digitalcommons.wustl.edu/record>

Recommended Citation

"Washington University Record, June 9, 2006" (2006). *Washington University Record*. Book 1076.
<http://digitalcommons.wustl.edu/record/1076>

This Article is brought to you for free and open access by the Washington University Publications at Digital Commons@Becker. It has been accepted for inclusion in Washington University Record by an authorized administrator of Digital Commons@Becker. For more information, please contact engeszer@wustl.edu.

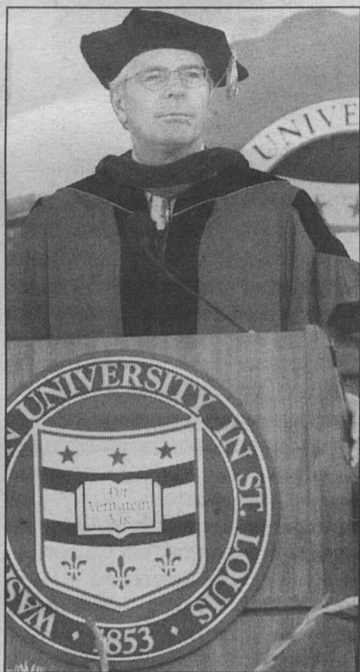
Record

June 9, 2006

Volume 30 No. 35



Washington University in St. Louis



John Major delivers the Commencement address to the Class of 2006 in Brookings Quadrangle.

Major to Class of 2006: 'Be ambitious, aim high'

BY ANDY CLENDENNEN

Just because graduates have received their degrees does not mean that the learning process has stopped, John Major told the Class of 2006 during the University's 145th Commencement.

The former prime minister of Great Britain and Northern Ireland spoke to an audience of more than 13,000, including some 2,500 graduates, during the May 19 ceremony in Brookings Quadrangle.

"Learning continues well beyond academia. In the university of life, it never stops," said Major, who had to leave formal schooling at 16 to help support his family. "My own experience has taught me that a good education benefits not only the recipient, but also everyone influenced by them throughout their lifetime.

"It is a priceless and continuing asset. Socrates taught Plato. Plato taught Aristotle. Aristotle taught Alexander the Great. Three of the great minds of the ancient world shaped one of the great commanders of history. In just such a fashion, knowledge accumulates and is passed on through the generations."

And because of that accumulation and passing along of knowledge, Major feels the future is in good hands despite all of the problems worldwide.

"Despite all of the difficulties that confront our world at the moment — and they are many and varied — despite all those difficulties, I am confident about the future," he said. "It is likely that a large number of today's graduates will be tomorrow's leaders. And by leaders, I don't just mean statesmen or women, or captains of industry or military heroes.

"I mean leaders in our professions, in our communities, in all aspects of our life; Men and women who will look to the reso-

See Major, Page 6

Camels & llamas provide for quick caffeine test

BY GWEN ERICSON

Three llamas and two camels have provided a way to tell whether your waiter swapped regular coffee for decaf in your after-dinner cup.

Using the heat-resistant antibodies that camels and llamas make, School of Medicine researchers are developing a quick test for caffeine that works even with hot beverages.

The researchers plan to adapt their technology to a simple test ("dipstick") that can be used to check for caffeine in a variety of drinks.

Their research appeared in the June 1 issue of the American Chemical Society's journal *Analytical Chemistry*.

Caffeine can cause restlessness, irritability, dehydration or heart arrhythmias. Those who are highly sensitive to caffeine can feel its stim-

ulant effects for as long as 20 hours. In addition, some medicines adversely interact with caffeine.

"We believe our test would be the first consumer test for caffeine and would be beneficial for anyone wishing to avoid caffeine for health or personal reasons," said senior author Jack H. Ladenson, Ph.D., the Oree M. Carroll and Lillian B. Ladenson Professor of Clinical Chemistry and director of the Division of Laboratory Medicine.

Interestingly, the key to the caffeine test comes from llamas and camels — pack animals that have transported caffeinated commodities such as coffee, tea and cocoa for centuries.

These camelids happen to be among the few creatures with immune systems that can produce antibodies that aren't destroyed at the high temperatures common to brewed beverages.

The researchers reasoned that if they could create heat-resistant camelid antibodies that reacted to caffeine, they could potentially build a durable assay suitable for use almost anywhere.

They gave intramuscular injections of a caffeine-linked protein to three llamas and two camels to elicit an immune response to caffeine. They found that blood from the animals contained antibodies that were heat-stable and reactive to caffeine.

The most stable version of the caffeine-specific antibody, which came from a llama named Very Señorita, recovered 90 percent of its activity after exposure to 194 degrees Fahrenheit (90 degrees Celsius) — about the temperature of a really hot cup of coffee. A similar antibody produced from mice broke down at —

See Caffeine, Page 4



(From left) Ruth Siteman displays the Harris award as Chancellor Mark S. Wrighton, chair of the Harris award selection committee, and Alvin Siteman look on, during a recent ceremony at Harbison House. The Sitemans received the annual community-service award for their extraordinary service to the St. Louis region.

Sitemans honored with Harris award for strong community leadership

BY BARBARA REA

In recognition of their extraordinary service to the St. Louis region, Ruth and Alvin Siteman received the seventh annual Jane and Whitney Harris St. Louis Community Service Award. Chancellor Mark S. Wrighton presented the Sitemans with the award at a recent event at Harbison House.

The Harris award was established in 1999 by a gift from Whitney R. Harris and his late wife, Jane, who wished to reward couples who care deeply about improving the quality of life in the region.

"Today we honor two persons who have made a permanent positive change to our community," Wrighton said at the event. "Our community is better today because of the significant contributions of the Sitemans."

The University administers the Harris award, which includes a \$25,000 gift the couple directs to

"Today we honor two persons who have made a permanent positive change to our community. Our community is better today because of the significant contributions of the Sitemans."

MARK S. WRIGHTON

a charity of their choice. The Sitemans chose two local organizations to split the prize: The International Institute of St. Louis and the University City Children's Center.

The Sitemans are community leaders and philanthropists who have made contributions to the educational, cultural, civic and health advancements of St. Louis and beyond. They have left their mark on a number of institutions, most notably the Alvin J. Siteman Cancer Center at the School of Medicine and Barnes-Jewish Hospital. The center is an

international leader in patient care, cancer research, prevention and education, and community outreach.

In addition, the Sitemans have established three professorships — in marketing, pediatrics and oncology. The professorship in marketing was named in honor of Alvin's father, Philip.

Alvin Siteman, a graduate of Massachusetts Institute of Technology, is president of the Siteman Organization, Site Oil Co. of Missouri and Flash Oil Corp. He chaired Mark Twain Bancshares

See Sitemans, Page 6

Miller's HHMI grant enhances science learning

BY TONY FITZPATRICK

Kathryn Miller, Ph.D., professor of biology in Arts & Sciences, has been awarded a four-year, \$1.6 million grant from the Howard Hughes Medical Institute (HHMI) to fund undergraduate science education initiatives.

Miller is assuming leadership on this grant from colleague Sarah C.R. Elgin, Ph.D., professor of biology, who first secured funding from HHMI in 1992.

The grant involves a large number of WUSTL faculty and staff in activities designed to enhance the learning of science and math by students from K-12 and at the undergraduate level. It also provides opportunities for undergraduates, graduate students and postdoctoral researchers to mentor younger students.

Competition for this grant is held every four years. Certain universities are invited to submit proposals, usually falling into one or more of four areas: curriculum development, undergraduate research programs, faculty development and K-12 science outreach activities.

Miller has overseen the running of HHMI programs since Elgin stepped down about two years ago. The submission of the new proposal was done last fall under Miller's name.

The previous and current grants have funded science-outreach activities such as professional development courses for teachers, activities for K-12 students, summer research programs for undergraduate students and curriculum development in math, biology, chemistry and physics. Also funded have been a new biophysics lab, a major overhaul of the advanced physical chemistry lab, new lab components for the biology introductory sequence and enhancements in advanced biology labs.

A Web-based tutorial and diagnostic test for incoming freshmen entering chemistry has also been developed over the last few years, Miller said. The Natural Sciences Learning Center was

See Grant, Page 6



Truman installed as Greensfelder professor in engineering

By TONY FITZPATRICK

Kevin Z. Truman, Ph.D., was installed as the Albert and Blanche Greensfelder Professor of Civil Engineering in a recent ceremony in the auditorium of Uncas A. Whitaker Hall for Biomedical Engineering.

"Kevin Truman's career has been exemplary, both in teaching and research, and his involvement with outreach locally with the National Science Foundation is admirable," Chancellor Mark S. Wrighton said.

"His value to the University has been well-reflected in his numerous honors and awards. Dr. Truman is a very worthy recipient of the Greensfelder chair, and I'm sure he will continue to do marvelous research in structural engineering and seismic analysis in that capacity."

Barna A. Szabo, Ph.D., the previous holder of the Greensfelder professorship, will become a senior professor in mechanical and aerospace engineering July 1.

Truman was born in Galesburg, Ill., in 1956 and was raised in Seaton, Ill. In 1979, Truman earned a bachelor's degree in mathematics and physics from Monmouth College. Through WUSTL's 3-2 Program (now called the Dual Degree Program), he earned a bachelor's degree in civil engineering that same year.

In 1981, Truman earned a master's degree in civil engineering from WUSTL, and in 1985, he earned a doctorate in structural engineering from the University of Missouri-Rolla.

Truman began his career in 1985 as an assistant professor of civil engineering at Washington University and was promoted to



William P. Darby, Ph.D. (left), professor and vice dean of student affairs and associate dean of the School of Engineering & Applied Science, and James M. McKelvey, Ph.D., senior professor of chemical engineering and former dean of engineering, present Kevin Z. Truman, Ph.D., with a medallion at his recent installation as the Albert and Blanche Greensfelder Professor of Civil Engineering in the auditorium of Uncas A. Whitaker Hall for Biomedical Engineering.

associate professor in 1988. In 1996, he became a full professor of civil engineering. He became chair of the department in 1998.

Truman's major research interests are structural optimization; structural health monitoring; seismic analysis and design of structural systems; massive concrete systems, including arch dams, gravity dams and locks; computational structural mechanics; and construction-related thermal stresses in concrete.

Much of his research has been with the U.S. Army Corps of Engi-

neers, culminating in the development of many of its seismic-related design documents.

A distinguished teacher and mentor to engineering students, Truman has also taken his teaching talents to area schools. He has given numerous presentations on earthquake design and participates in National Science Foundation programs, including the NSF's Research Experience for Teachers program and its GK12 program.

Truman is principal investigator for a five-year, \$1.88 million GK12 grant that will fund eight graduate students to lead teaching teams at four area K-12 schools while performing their research at WUSTL.

Truman has received numerous awards, including the 1996 Governor's Award for Excellence in Teaching, the 1998 American Society of Civil Engineers (ASCE) State-of-the-Art in Civil Engineering Award, the 1990 Monmouth College Distinguished Young Alumnus Award, and the School of Engineering & Applied Science 1986-87 Professor of the Year Award and 1995-96 Advisor of the Year Award.

Truman has been an ASCE member, a member of the Earthquake Engineering Research In-

stitute's Structural Stability Research Council since 1979 and has been a member of the U.S. Army Corps of Engineers' Massive Concrete Structures Task Group since 1989. He is the author of numerous technical reports, journal articles and book chapters.

Truman and his wife, Katina, are the parents of Zane, 20, and Kameryn, 12.

Albert and Blanche Greensfelder always thought that actions spoke louder than words. So, rather than merely declaring their appreciation for their alma mater, the Greensfelders chose to establish the Albert P. and Blanche Y. Greensfelder Professorship in Civil Engineering to advance "the teaching of construction practices and engineering."

Albert Greensfelder was born in St. Louis in 1879. After graduating from Washington University in 1901 with a bachelor's degree in civil engineering, he worked on an interurban railway project in Iola, Kansas, before joining the Terminal Railroad Association in St. Louis. Realizing, however, that the amount of new railroad construction in the near future would be limited, he accepted an offer in 1906 from the Fruin-Colnon engineering and

"Kevin Truman's career has been exemplary, both in teaching and research, and his involvement with outreach locally with the National Science Foundation is admirable. ... I'm sure he will continue to do marvelous research in structural engineering and seismic analysis."

MARK S. WRIGHTON

contracting firm.

Beginning as a construction superintendent, he advanced through the ranks to eventually become chairman of the board. He served in this capacity from 1940-49, when he retired from active business life but remained with the firm as a consultant.

Recognized as an authority in construction, Greensfelder was elected to lead many engineering and construction associations, including the American Society of Engineering Contractors, the Consulting Contractors Council of America, the Associated General Contractors of America, the ASCE, the St. Louis Regional Planning and Construction Foundation, and the Engineers' Club of St. Louis.

He was also appointed by President Harry S. Truman for a six-year term on the National Capital Park and Planning Commission.

As a crusader for regional parks and recreation areas, Greensfelder was instrumental in setting aside several thousand acres as recreation, conservation and wildlife research and refuge areas. In his honor, the St. Louis Regional Planning and Construction Foundation designated 1,700 acres adjacent to Rockwoods Reservation as the Albert P. Greensfelder Memorial Park. This facility was opened to the public in 1967.

In 1909, Greensfelder married Blanche Younker, who earned a master's degree in English from WUSTL in 1927. He died in 1955, she in 1956. Both had been known throughout their lives for their generous support of various organizations.

Olin School builds global leadership role, hosts Shanghai conference

By SHULA NEUMAN

The Olin School of Business has been building its participation in and knowledge of global business in the past year. That goal applies to the school's curriculum as much as it does to the dissemination of the professors' academic research.

Anjan Thakor, Ph.D., senior associate dean and the John E. Simon Professor of Finance, opened the door to facilitate this goal when he co-founded the Financial Intermediation Research Society (FIRS) three years ago.

"The goal of the group is to provide a way for those interested in financial intermediation and corporate finance to have access to each other's work and to be able to communicate and coordinate further research more efficiently," Thakor said. "FIRS is the first financial association to actively engage scholars from three continents — North America, Europe and Asia — in this exchange of ideas."

The group's aim is to bridge the gap in the flow of ideas across the different continents, he said.

"The best research is still being done in the United States, and scholars in European countries are also very productive, but there is a need to create greater communication of research across North America, Europe and Asia," Thakor said.

"If you don't proactively do anything, then the opportunity to build the necessary links will be very slow to develop."

"There is already active communication between North America and Europe, but we need to bring Asia more actively into the mix. We recognize the importance of encouraging research and fostering relationships with scholars in emerging markets."

Thakor isn't the only one who sees the value of FIRS' efforts. The

Olin School co-hosted a groundbreaking, transcontinental conference in Shanghai, China, June 1-3 for researchers in financial intermediation.

Thakor worked with Franklin Allen from the Wharton School of Business and Elena Carletti from Germany to set up the conference, which drew nearly 200 people from around the globe.

Thakor said this kind of mid-size conference encourages collaboration, which is a boon to Westerners and Asians alike.

For example, U.S. and European academics might be able to learn about and access Asian data sources they were previously unfamiliar with.

He said that the Olin School's involvement in the conference was an excellent opportunity to demonstrate to other academic institutions that Olin and WUSTL are leaders in research and global outreach.

The school also invited many alumni from its Shanghai Executive M.B.A. program.

"It is important to signal to those alumni that their alma mater is on the cutting edge of thought leadership," Thakor said.

He pointed out that his involvement in the FIRS Shanghai conference is in keeping with the business school's increasing involvement in a variety of meetings organized by Olin School professors. This past academic year alone, the school hosted several conferences:

- The Center for Research in Economics and Strategy (CRES) had a conference on the foundations of business strategy.
- CRES and the finance department co-hosted a corporate mini-conference.
- The Boeing Center for Technology held a conference on information and manufacturing with a focus on supply-chain management.

Des Chene awarded Guggenheim Fellowship

By NEIL SCHOENHERR

Dennis Des Chene, Ph.D., professor of philosophy in Arts & Sciences, has been awarded a fellowship from the John Simon Guggenheim Memorial Foundation.

Des Chene is among 187 U.S. and Canadian Guggenheim Fellows selected this year from nearly 3,000 applicants for awards totaling \$7.5 million. Fellows are appointed on the basis of distinguished achievement in the past and exceptional promise for fu-

ture accomplishment.

Des Chene's fellowship is for calendar year 2007. He will be examining theories of emotions — or passions, as they were called then — in the 17th century, and in particular how philosophical views about emotion were transformed in light of the new mechanistic, experimental science of the period.

"Many 17th-century philosophers included in their systematic thought a theory of the passions," Des Chene said in his proposal. "That theory was both a psychol-

ogy of emotion and a morality of virtue and character, a bridge between psychology and politics.

"I propose to write a book-length study of the principal figures in the history of the passions, placing them in the context of its scholastic, stoic and epicurean antecedents, and to examine its reception in practical works of advice. The aim is to show how the theories of the passions provided a substitute for ancient wisdom and for religious instruction consistent with the new world picture of the natural sciences."

2006-07 parking permit prices announced

By NEIL SCHOENHERR

The Office of Parking and Transportation Services has announced Hilltop Campus parking permit fees for the 2006-07 school year.

Parking-pass fees for the year will be as follows.

- Red: \$853.
- Yellow, Blue and Brown: \$380.
- Official Business: \$370.
- Red Evening, Yellow Evening, Student Summer (2007) and Off-site: \$88
- Daily: \$5.

A complete list of permit prices is available online at parking.wustl.edu.

In addition, parking services will introduce a re-

vised fine structure on July 1. There have been no increases to the current fine structure in the past 10 years, and the structure is now being adjusted to more effectively act as a deterrent for some violations.

The new structure includes increases to certain fines, which will be announced online. It is intended to enhance a program designed to protect the parking privileges of the permit-holder.

Also, parking-meter prices after July 1 will be \$1 per hour.

The Parking & Transportation Advisory Committee has reviewed and supports all increases.

For more information, go online to parking.wustl.edu.

School of Medicine Update

Surgeons study artificial bone's ability to replace spinal disks

By MICHAEL C. PURDY

After preliminary success using artificial bone to replace degenerative spinal disks in the neck and lower back, neurosurgeons at the School of Medicine and Barnes-Jewish Hospital are preparing a study to formally compare the performance of the synthetic material against that of real bone.

"The artificial bone we're using, which is known by the brand name Vitoss, has been FDA-approved for these kinds of procedures for two years," said Neill Wright, M.D., assistant professor of neurological surgery and of orthopaedic surgery. "We've been pleased with the results, but we want to begin a formal, prospective comparison of how well it does compared to the material we used previously, which was bone taken from deceased donors."



Wright

For the study, researchers are seeking 154 patients with degenerative disk disease in the neck and corresponding neck or arm symptoms. Study participants must have already attempted and failed to relieve their symptoms through conventional nonsurgical treatments such as physical therapy.

Historically, when spinal disk degeneration led to untreatable pain, physicians would remove the failed disk and fuse that level of the spine by replacing the failed disk with bone taken from another region of the patient's skeleton, most commonly from the hip.

"Because it was the patient's own bone, it would fuse very well with the rest of the spinal structure," Wright said. "But this had the downside of forcing a second surgical procedure to take out the bone that we used for the fusion, and that second procedure brought added risk of infection, bleeding and pain."

About a decade ago, surgeons began to rely on

"Retrospectively, the patients who've received this procedure have held up quite well. Now, though, it's time to take a hard, scientific look at how well the results delivered by artificial bone compare to fusions using cadaveric bone."

NEILL WRIGHT

bone taken from deceased donors to treat most patients with failed vertebrae. This material doesn't fuse as well as the patient's own bone and is sometimes difficult to obtain, but it reduces the need for multiple-site surgeries. Thorough sterilization of any donated bone is also necessary.

"To my knowledge, there hasn't been a single case of someone getting an infectious disease from a bone graft, but you're still taking a bone from another person, so there is always the theoretical risk of getting an infection," Wright said.

Vitoss has the same porosity and sponge-like structure as human bone tissue. The fusion procedure typically requires the insertion of screws into nearby bone. Surgeons can use the holes for the screws to take marrow from nearby bone and inject it into and around the artificial bone.

"Retrospectively, the patients who've received this procedure have held up quite well," Wright said. "Now, though, it's time to take a hard, scientific look at how well the results delivered by artificial bone compare to fusions using cadaveric bone."

For more information on the study, which is supported by Orthovita, maker of Vitoss, call 362-3577.



JOE ANDELIS

Perseverance personified Barry J. Marshall, recipient of the 2005 Nobel Prize in physiology or medicine for his discovery of *Helicobacter pylori* as the cause of stomach ulcers, speaks May 30 at the "21st Century Science: Foundation for Innovation" symposium at the School of Medicine. Marshall spoke about his research to find the cause of ulcers and his experiences as an entrepreneur trying to reinvest intellectual property into budding biotechnology businesses. The symposium also featured panels with researchers, venture capitalists, life-science entrepreneurs, corporate executives and academic research officers.

Hudspeth receives fellowship to research HIV/AIDS

By DIANE DUKE WILLIAMS

When third-year medical student James Hudspeth spent a few months in 2004 in a clinic in Johannesburg, South Africa, he saw many patients with end-stage AIDS: wheelchair-bound, wasting away and with the purple spots of Kaposi's sarcoma.

A limited number of people with AIDS in Africa were just beginning to receive antiretroviral medications — the standard therapy for AIDS in the United States for the past 10 years.

Instead of discouraging Hudspeth, the enormity of the AIDS crisis in Africa motivated him to return, which he will do in July on a fellowship from the Fogarty International Center/Ellison Medication Foundation.

"I saw the potential impact of



Hudspeth

Africa, assisting in clinical research on HIV/AIDS and shadowing physicians caring for patients.

Hudspeth, who is interested in infectious diseases, international health and clinical research, said he believes the yearlong fellowship will help him decide which facet he should focus on in his career.

"I think it will have a huge impact on who I'll become as a doctor," Hudspeth said. "I'm grateful

HIV/AIDS and how far we need to go," Hudspeth said.

The fellowship will enable Hudspeth to spend a year at the University of Natal in Durban, South

to Gary Weil, M.D., and Leslie Kahl, M.D., for their support in helping me with this."

Weil, professor of medicine, said Hudspeth is an outstanding medical student with good leadership skills.

"And on a personal level, James is a serious young man who is idealistic but mature," he said. "He has a precocious insight into challenges and realities regarding international infectious disease research and work, especially in the area of HIV/AIDS."

Hudspeth, whose father is a neurobiologist at Rockefeller University and whose mother is a pediatric neurologist at Cornell University, spent most of his childhood in New York City. While attending Columbia University, he decided he wanted to become a physician.

In his first year at the School of Medicine, Hudspeth became interested in the impact of the 2004 campaign on HIV/AIDS funding during a trip to the Iowa caucuses.

Hudspeth became regional and then national coordinator for the American Medical Student Association's AIDS Network. In medical school, he has also been involved in Physicians for Human Rights, Students Teaching AIDS to Students, the Saturday Neighborhood Health Center and the Gay-Straight Alliance.

He was selected by his medical school classmates to receive the Class of 2001 Award, given on the basis of "achievements outside the classroom."

"James is an extraordinary giver," said Kahl, professor of medicine and associate dean for student affairs. "He has been deeply immersed in what must be a record number of our student-run community-service programs and projects and has shouldered leadership positions in a number of these organizations. And he shows uncommon initiative, imagination and follow-through."

Study challenges guideline against the use of antibiotics for asthma

By GWEN ERICSON

Preliminary studies have shown that almost half the people who experience uncontrolled asthma symptoms also have a chronic airway infection, though they don't know it.

Now, School of Medicine researchers are testing to see if treatment with an antibiotic will ease asthma symptoms in these patients.

The researchers are seeking volunteers to participate in a study that will assess the effects of the antibiotic clarithromycin (Biaxin) on asthma symptoms in those whose symptoms are not completely controlled by their asthma medication.

"It may be that some asthmatics can't get their symptoms under control, even with the best medications, because a low-level respiratory infection is causing inflammation that won't respond to typical asthma treatment," said Mario Castro, M.D., associate professor of medicine in the Division of Pulmonary and Critical Care Medicine.

"Years ago, doctors missed the connection between infectious organisms and some chronic diseases," Castro said. "We want to find out if we're missing something in terms of asthma treatment — if we treat respiratory infection specifically and aggressively, can we improve asthma control?"

Currently, national guidelines for asthma treatment explicitly state that antibiotics should not be used routinely for the treatment of asthma attacks.

"Our study will help deter-

mine if we need to rethink those guidelines," Castro said.

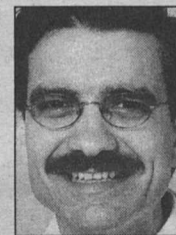
The School of Medicine is one of eight centers involved in the nationwide study sponsored by the Asthma Clinical Research Network of the National Institutes of Health/National Heart, Lung, and Blood Institute.

A recent study published in the *New England Journal of Medicine* showed that telithromycin, an antibiotic in the same class as clarithromycin, was somewhat effective in treating asthma attacks even if the patient did not have a respiratory infection. Castro wants to learn why that was so in the new study.

Participants will be tested to see if they have low-grade respiratory infections caused by two common bacteria that often cause pneumonia and sinus and inner-ear infections. The bacteria, *Mycoplasma pneumoniae* and *Chlamydia pneumoniae*, don't grow on ordinary laboratory culture media, so they cannot be detected in a routine exam, Castro said. The researchers will use a DNA test to check for the presence of the infectious organisms.

Enrollment for the study is under way and will continue until next spring. Participants will be randomly selected to receive either clarithromycin or an inactive tablet for the 16 weeks of the study and will also receive an inhaled corticosteroid (Flovent).

All study-related medical evaluations and medications will be provided at no cost, and volunteers will be financially compensated for their time and effort. To participate, call 362-9044 or go online to vfh.wustl.edu.



Castro

Adult, child volunteers needed for cholesterol studies

By BETH MILLER

School of Medicine researchers are seeking volunteers for several studies evaluating treatments for high cholesterol and high triglycerides.

Anne C. Goldberg, M.D., associate professor of medicine, is studying whether a combination of two currently available medications, coupled with changes in diet, will reduce triglycerides in patients between 18-79. Participants will receive dietary education with a registered dietician, a free medical evaluation, study medications and parking.

The study, funded by Reliant Pharmaceuticals Inc., requires eight fasting visits and blood tests over 14 weeks.

Goldberg is also seeking patients who are already taking a high-dose prescription statin drug for high cholesterol but have a fasting low-density lipoprotein (LDL) cholesterol, or "bad" cholesterol, of more than

100 mg/dl. In this study, researchers will evaluate whether taking the statin drug with an investigational cholesterol-lowering drug will reduce LDL cholesterol better than the statin drug alone.

Patients in the 72-week study, supported by Takeda Global Research and Development Center Inc., will receive free blood tests, physical exams, electrocardiograms, cholesterol-lowering diet instruction and study medications.

In a third study, Goldberg is looking for children between 10-17 years old who have an LDL cholesterol level greater than 160 mg/dl. The 28-week study of the safety and effectiveness of a prescription drug includes eight one-hour visits with free blood tests, physical examinations and study medication. This study is funded by Sankyo Pharma Development.

For more information or to volunteer, call 362-4331.

University Events

Gateway Festival Orchestra to present free Sunday concerts

The Gateway Festival Orchestra will begin its 43rd season of free summer concerts with "Midwest Musical Masters," highlighting composers and young artists from Missouri and Illinois, at 7:30 p.m. July 9 in Brookings Quadrangle.

Subsequent concerts will take place at 7:30 p.m. July 16 and 23 in Brookings Quadrangle. The season will conclude at 7:30 p.m. July 30 in Graham Chapel.

The orchestra is conducted by James Richards, professor of orchestral studies at the University of Missouri-St. Louis.

"Midwest Musical Masters" will include performances of *Horizons* by Robert Howard, professor emeritus at St. Louis Community College at Meramec and conductor of the Belleville Philharmonic; *One of Ours: A Cather Symphony* by Barbara Harbach, composer-in-residence at the University of Missouri-St. Louis; and music of Scott Joplin.

Clayton Penrose — a 13-year-old student in the magnet program at Franklin Middle School in Springfield, Ill. — will be soloist in Camille Saint-Saëns' *Havanaise* for violin and orchestra.

The concert series will continue July 16 with "Molto Italiano," co-sponsored by the Italian-American Federation of St. Louis. Takaoki Sugitani, a violinist with the Saint Louis Symphony Orchestra, will be featured as soloist for selections from Antonio Vivaldi's *The Four Seasons*.

Also included on the program



The Gateway Festival Orchestra will present free concerts on the evenings of July 9, 16 and 23 in Brookings Quadrangle and July 30 in Graham Chapel. The orchestra is conducted by James Richards, professor of orchestral studies at the University of Missouri-St. Louis.

is music from four Italian operas: *Semiramide* by Gioachino Rossini; Ermanno Wolf-Ferrari's *The Secret of Suzanne*; *Cavalleria Rusticana* of Pietro Mascagni; and Giacomo Puccini's *La Bohème*. The concert will conclude with Peter Tchaikovsky's *Capriccio Italien* and Thomas Bucci's *Italian Folk Fantasy*.

The July 23 concert — "Classics From the Classics" — will honor the 250th anniversary of Wolfgang Amadeus Mozart's birth with performances of the composer's overture to the opera *La Clemenza di Tito* and his *Serenata Notturna*.

Also on the program are Franz Joseph Haydn's *Symphony No. 104*

(*London*) and Carl Maria von Weber's *Andante and Rondo Ongarese* for bassoon and orchestra. The latter will feature soloist Helena Kranjc, a 2006 high-school graduate from Macomb, Ill., who will enter New York's Manhattan School of Music in the fall.

The series will conclude July 30 with "Great Romantics." The

program will include Antonín Dvořák's *Symphony No. 6 in D Major* and Camille Saint-Saëns' *Cello Concerto No. 1*, the latter featuring Parkway North High School sophomore Monica Godbee as soloist.

Gateway Festival Orchestra

The Gateway Festival Orchestra was established in 1964 by conductor William Schatzkamer, professor emeritus in piano in the Department of Music in Arts & Sciences, and other local musicians, in part to provide summer employment for members of the Saint Louis Symphony Orchestra.

Gateway was the first integrated professional orchestra in the St. Louis area and its formation ultimately led to the merger of the Black Musicians' Association with the Musicians' Association of St. Louis (now Local 2-197 of the American Federation of Musicians). The group originally performed on the downtown riverfront but relocated to WUSTL in 1970.

The concerts are supported by the Roland Quest Memorial Fund of the Greater St. Louis Community Foundation; the Regional Arts Commission; the Arts & Education Council of Greater St. Louis; the Missouri Arts Council; and the Music Performance Fund of the American Federation of Musicians.

The public is encouraged to bring lawn seating. For more information, call the Gateway Festival Orchestra at 569-0371.

Caffeine

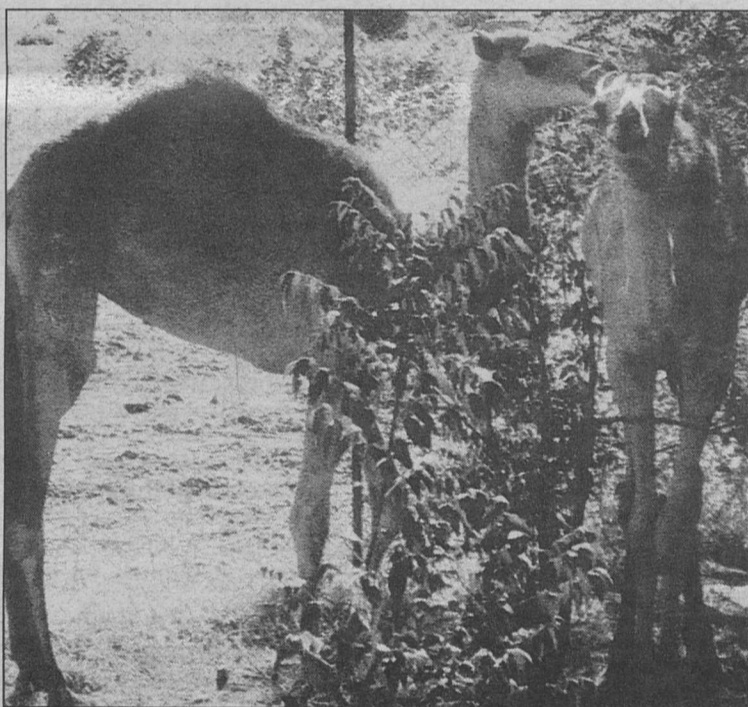
Lab test yielded an accurate measurement — from Page 1

158 degrees Fahrenheit.

A lab test using the caffeine-specific antibody accurately measured the amount of caffeine in coffee and cola drinks. The antibody cross-reacted very little with theophylline or theobromine, the caffeine-like compounds in teas, so the caffeine content of teas could be measured without interference from these substances.

"Now that we've isolated the sequence of this stable anti-caffeine antibody, we can produce copies in the lab to develop a convenient caffeine test — we don't need to rely on the animals," Ladenson said. "And unlike other methods for measuring caffeine, which require large and expensive laboratory equipment, this test is potentially adaptable to a format that people could carry with them."

An eight-ounce cup of regular coffee has about 80-280 mil-



Assab and Massawa are the two camels that produced antibodies for the caffeine test, in Eritrea, a small country in northeast Africa.

ligrams of caffeine, and a similar-sized cup of black tea can vary from 60-100 milligrams, de-

pending on brewing time. Cola drinks, both diet and regular, typically contain between 30-50 milligrams of caffeine in each 12-ounce can, while high-caffeine sodas can have as much as 80 milligrams per can.

In comparison, decaffeinated coffee generally has only about 5 milligrams of caffeine per cup.

The caffeine test has shown accuracy that compares well with measurements made with sophisticated equipment. Ladenson and his colleagues are currently working to develop a portable, point-of-consumption test.

Ladenson's laboratory is well-known for having developed the first practical blood test for troponin I, a protein that is released into the blood after a heart attack. This test, along with a test for a form of the enzyme creatine kinase that was also developed in Ladenson's lab, is widely used to determine whether patients with certain symptoms have had a heart attack.

Public Health Update • Siteman Workshop Series

"University Events" lists a portion of the activities taking place June 9-July 25 at Washington University. Visit the Web for expanded calendars for the Hilltop Campus (calendar.wustl.edu) and the School of Medicine (medschool.wustl.edu/calendars.html).

Lectures

Saturday, June 10

8 a.m.-5 p.m. **Neurology CME Course.** "Pediatric Neurotherapeutics." Cost: \$140. Eric P. Newman Education Center. To register: 362-6891.

Monday, June 12

8:30 a.m.-2 p.m. **Siteman Cancer Center Workshop Series.** "Necessary Elements: Disparity and Diversity Workshop Series." (Also 8:30 a.m.-2 p.m. June 19.) Cost: \$75 for the series or \$50 per session. Center for Advanced Medicine, Farrell Conference Rm. 1. 633-7454.

3 p.m. **Neuro-oncology Research Group Seminar Series.** "Glioblastoma: Pathologic Variants and Biomarkers." Arie Perry, assoc. prof. of neuropathology. McDonnell Medical Sciences Bldg., Rm. 928. 454-8981.

Wednesday, June 14

11 a.m. **Midwest Regional Center of Excellence for Biodefense and Emerging Infectious Diseases Research (MRCE) Public Health Update.** "Avian Influence." Steven J. Lawrence, assoc. dir. of emergency response planning, MRCE. McDonnell Pediatric Research Bldg., 7th floor conf. rm. RSVP to 286-0432.

Saturday, June 17

7:30 a.m.-noon. **Urology CME Course.** "Annual Highlights of the American Urological Association 2006 National Meeting." Cost: \$35. Frontenac Hilton Ambassador Ballroom, 1335 S. Lindbergh Blvd. To register: 362-6891.

Friday, June 23

7:30 a.m.-3:30 p.m. **Infectious Diseases CME Course.** "Infectious Diseases Update for the Generalist Physician and Midlevel Clinician." Cost: \$135 for

physicians, \$105 for allied health professionals. Eric P. Newman Education Center. To register: 454-8275.

Monday, July 24

9 a.m.-6 p.m. **Psychiatry CME Course.** "Mentoring and Supervision for the Responsible Conduct of Research." (Continues 9 a.m.-1:30 p.m. July 25.) Cost: \$175. Eric P. Newman Education Center. For information and to register: 286-2268.

Music

Sunday, July 9

7:30 p.m. **Concert.** Gateway Festival Orchestra. James Richards, conductor. Brookings Quadrangle. 569-0371.

Sunday, July 16

7:30 p.m. **Concert.** Gateway Festival Orchestra. James Richards, conductor. Brookings Quadrangle. 569-0371.

Sunday, July 23

7:30 p.m. **Concert.** Gateway Festival Orchestra. James Richards, conductor. Brookings Quadrangle. 569-0371.

Campus Watch

The following incidents were reported to University Police **May 10-June 6**. Readers with information that could assist in investigating these incidents are urged to call 935-5555. This information is provided as a public service to promote safety awareness and is available on the University Police Web site at police.wustl.edu.

May 11

3:28 p.m. — An unknown person used a wood-handled kitchen knife to slash the awning and two couch covers on the patio of the Theta Xi fraternity house. The incident occurred between 5-8 a.m. May 11.

June 4

12:31 p.m. — A person reported the theft of two digital cameras, a CD player and cash from several backpacks, purses and wal-

lets from a room in Goldfarb Hall. A search of the area for witnesses or suspects was unsuccessful. The room had been left unsecured with the unattended property. Total loss is estimated at \$436.

Additionally, University Police responded to 16 larcenies, six auto accidents, five reports of institutional vandalism, three arrest warrants, two reports each of lost article, drug offense, property damage and leaving the scene of an accident, and one report each of trespassing, fire and parking violation.

How to submit 'University Events'

Submit "University Events" items to Genevieve Posey of the Record staff via:

- (1) **e-mail** — recordcalendar@wustl.edu;
- (2) **campus mail** — Campus Box 1070; or
- (3) **fax** — 935-4259.

Upon request, forms for submitting events may be e-mailed, mailed or faxed to departments to be filled out and returned.

Deadline for submissions is noon on the Thursday eight days prior to the publication date.

Chemistry's Hiss receives Gloria White award at Staff Day

BY ANDY CLENDENNEN



At top, Hilltop Campus staff members sit in Bowles Plaza awaiting the results of several drawings for prizes. Above, (from left) Judy Fox, Stanley Drane and Phil Corpening, all of Olin Library, play bingo in Holmes Lounge.

Employees honored for years of service

At Staff Day May 19, the following people were recognized for **10 years of service** to the University: Nancy L. Belt, Linda Buckingham, Lisa Calmese, Margaret K. Daniel, James R. Deutschmann, Michael J. Dunlap, Phyllis A. Dunn, Richard Egenriether, Susan G. Eggemeyer, Catherine J. Freesmeier, Billy W. Fryman,

Vicky Fuehne, Larry Goddard, Paula M. Hardy-Mumm, Konstance P. Henning, William R. Hicks, Glenda B. Hoque, Dillard Holmes, Ruth A. Kienstra, Samantha J. Lacy, Mary A. Marcinkiewicz, Charles P. Marentette, Ioana-Dorina Masek, Julie A. McCarthy, Joseph A. McGarry, Timothy W. McHugh,

Alan C. Mehringer, Marvin R. Meinz, George P. Milne, John K. Murphy, Ann Nicholson, Alan D. Norman, John T. Perry, Diane E. Piwowarczyk, Linda R. Ragsdale, Jonathan Rapkin, Estelle Rochman, Kathleen J. Schasch, Kathleen A. Schneider, Sherman Shaw, M. Priscilla Stone, Mary K. Stull, Timothy Thornton, Lynnette M. Williamson and Mark S. Zykan.

The following people were recognized for **15 years of service**: Brad L. Averbeck, Clinton T. Barnes, Scott A. Basden, Bernard A. Bennett, Rosemarie B. Brefeld, Frank J. Brettell III, Marilyn R. Broughton, David A. Chisholm, Wendy M. Clark, Bridget S. Coleman, Deborah A. Colletta, William J. Darte, Mary J. Farhatt, Edward R. Fickenscher,

Theresa M. Forrest, P. Hannele Haapala, Craig S. Hager, Sandra L. Hall, Wanda Y. Harris, Andrea J. Heugatter, Edwin A. Hiss, Dennis M. Huelsman, Susan D. Imhoff, David K. Jolley, Barry D. Kelley, Mark S. Kloempken, John C. Kroeger, Paul J. Landgraf, Julianne Leistner, Marc M. McGary, Carmen G. Merriweather, David D. Meyer,

Jane E. Neidhardt, Josephine P. Niebur, Lexie W. O'Brien, Lisa G. Portnoy, Linda M. Ritter, Richard A. Roloff, Judy Sawyer, Paul W. Schierbecker, Michele W. Shoresman, Martha E. Simpson, Beth A. Sparks, Thomas C. Stein, Patricia A. Steinmeyer, Sharon M. Strathman, Elizabeth A.

Sweeney, Norma E. Taylor, Virginia S. Taylor, Connie Turnbough, Douglas S. Twells, Patrick J. Waller, Joni E. Williams, Robin L. Williams, Iris Wright and Teresa A. Yarber.

The following people were recognized for **20 years of service**: Josephine A. Achelpohl, Ronald Allen, Kathryn Atnip, Victoria Babbitt, Brian T. Bannister, Saul Becker, Terri L. Brennan, Kevin G. Brooks, Robert C. Busby, Karen D. Crawford, Larry J. Downey, Joann M. Eckrich, David L. French, Lisa S. Goessling, Barbara J. Harold,

Steve P. Hedgorth, William S. Hester, Dorothy L. Kelly, Carolyn S. Kohring, Catherine Komotos, Ruth E. Lewis, Patricia A. Logsdon, Robert O. Marbs, Karen J. Margo, Clara P. McLeod, J. Christine Miller, Ibeabuchi U. Oteh, Daniel J. Piatchek, Addie B. Price, Rochelle R. Robinson, Robert E. Russell, Paul A. Schmidt, Steven A. Schuchardt Sr., Charmaine G. Scott, Martha Shafer, Michael J. Starkey, Kathy Steiner-Lang, Leslie J. Stroker, Jim Swiney, Christian Tiefenauer and Adele R. Tuchler.

The following people were recognized for **26 years of service**: Karen A. Almstedt, Barbara L. Aromando, Elizabeth H. Bloomfield, James R. Bond, Karen L. Coburn, Ann L. Hogan, Massoud M. Hooshmand, Karen A. Klein, Elinor Nelson, Phyllis C. Noelken, Robert D. Sparks, Sheryl A. Stichling, Claretta Swift, Martha Tillman, Nada A. Vaughn, Mark J. Werner and Diane Willis.

The following people were recognized for **30 years of service**: Jane N. Bettlach, Anthony M. Biondo, Vivian E. Burroughs, Dennis E. Callahan, Beverly M. Owens and Karen A. Unger.

The following people were recognized for **35 years of service**: Sharon A. Balsman, Judith A. Fox, Denise R. Hirschbeck, Ouida M. Jackson, Larry J. Johnson and Linda M. Schaeffer.

Luberta Rochelle and Christine Smith were recognized for **40 years of service**.



Above, Ed Hiss (left) receives a plaque from Chancellor Mark S. Wrighton, honoring the administrative officer in the Department of Chemistry in Arts & Sciences as winner of the Gloria W. White Distinguished Service Award. Hiss has worked in the chemistry department for 16 years. Below, competitors throw washers in the second year of the washers tournament.



All photos by Mary Butkus

It's not often that a staff member has a surprise party of appreciation thrown by graduate students, but Ed Hiss has received that rare honor.

That, in part, goes to show how highly regarded the administrative officer in the Department of Chemistry in Arts & Sciences is.

And apparently graduate students aren't the only ones who appreciate Hiss. He was awarded the Gloria W. White Distinguished Service Award in a May 22 ceremony at Edison Theatre, as part of the annual Staff Day activities.

Hiss plays a critical role in the department by serving as a resource for information about all aspects of the University — from student advising, to setting up research labs, to finding contacts on campus for nearly any activity. He ensures that the department runs smoothly, and his efforts impact both teaching and research.

He has also taken on responsibilities outside of his department and serves on University committees that include the Academic Integrity Committee, the Advisory Management Group for Center for Scientific Parallel Computing, the Advisory Council of Science Department Administrators and the Chancellor's Fellowships Award Committee. His work extends outside of the University as well, and he serves as a liaison to external organizations for fellowships, internships and other opportunities for funding and research.

He has been described as passionate about his job and dedicated to helping students, faculty and staff. He also assists colleagues outside of chemistry on a regular basis, and there are numerous accounts of him stepping in to take care of a problem that he learned about.

"Ed's formal job description only scratches the surface of his commitment and dedication," wrote Joseph J.H. Ackerman, Ph.D., the William Greenleaf Eliot Professor and chair of chemistry, in his letter nominating Hiss. "His door is always open to anyone who needs his help or advice (he is constantly solving late-breaking mini-crises in chemistry and other units of Arts & Sciences).

"In this department of nearly 250 faculty, staff and students of various levels, Ed Hiss knows the names of everyone, and they come to him for assistance with every imaginable problem.

"We were lucky to recruit Ed to our department 16 years ago. At that time we were replacing Frank Williamson, Ph.D., who had held the position for over 26 years and was known throughout the University as 'Mr. Chemistry.' We had no real expectations that Frank could be replaced with anyone of the same caliber.

"Fortunately, we were wrong, and now, 16 years later, Ed Hiss clearly is identified as 'Mr. Chemistry' and is a strong ambassador for Washington University."

Other winners

Staff Day also featured several activities for Hilltop Campus personnel, including drawings for donated goodies. Winners of a \$25 Bon Appetit dining card were Joni Williams, Linda Shriver, Liz Valli, Rochelle Robinson and Lisa Gibbs.

Other winners were Marv Meinz (overnight stay at the Chase Park Plaza); Krista Hyde (Samsung phone from Cingular Wireless); Chris Mitchell, Jim Johnson and Meg Kanouse (all winning two field box tickets to a Cardinals game);

Rick Tyler (overnight stay at the Crowne Plaza); Lucinda Cobb (one pair of OVA-TIONS! season tickets); Susan Killenberg McGinn (\$25 gift certificate and a case of root beer from Fitz's); Scott Lorschach (two \$200 travel vouchers on American Airlines); Ann Nicholson and Pat Stern (each winning \$25 gift certificate to Bass Pro Shops);

Lisa Woodson, Dave Jolley, William Hicks and Connie Turnbough (all winning a restaurant gift certificate to Knight Center); Paula Canoy (dinner for two at Alexander's); and Jim Flynn (dinner for two at Whittemore House).

Winners of the competition trophies were, in softball, "Spin Docs" of public affairs; volleyball, George Warren Brown School of Social Work; washers, "JB and Jam" — Jason Becker and Chris Huels; co-ed golf, Joe Angeles and Terri Nappier; men's golf, Brian Cohen and Lars Arvidson; and women's golf, Vicki Goldman and Deborah Booker.

The Staff Day food drive resulted in 220 pounds of canned food collected.

Sports

Track and field garners three All-Americans

The Bears notched three All-America citations at the NCAA Outdoor Championships May 25-27 in Lisle, Ill. The men finished tied for 36th in the team standings, while the women finished tied for 51st.

Senior David Skiba started May 27 off right for the Bears by taking sixth place in the 110-meter hurdles. Skiba ran a clean race and finished in a personal-best 14.33 seconds to seal his second career All-America citation. The sixth-place finish was also the best NCAA outdoor result in the 110 hurdles in school history.

Senior Greg Reindl followed with a sixth-place finish in the 5,000-meter run. He finished the race in 14:57.86.

Two days earlier, Bears sophomore Morgen Leonard-Fleckman placed fifth in the pole vault for the first All-America honor for WUSTL. Leonard-Fleckman cleared 12-2 (3.72 meters) to break the school record.

D'Andrea is softball Academic All-America

Sophomore Laura D'Andrea of the softball team was named *ESPN The Magazine* third-team Academic All-America, as announced by the College Sports Information Directors of America (CoSIDA). D'Andrea, a psychology major with a 3.80 grade point average, led the Bears in batting average (.476), hits (60), triples (five) and on-base percentage (.514). A first-team all-UAA selection, she hit safely in 35 of 44 games and is second on the Bears' career batting average list (.409). D'Andrea joins Liz Swary (2003, 2004, 2005) as the second Academic All-America honoree in program history.

Track's Badowski nabs Academic All-District

Junior Natalie Badowski garnered *ESPN The Magazine* first-team Academic All-District VII (College Division) honors for Cross Country/Track and Field, as announced by CoSIDA. With her first-team recognition, Badowski is eligible for selection to the Academic All-America Team that will be announced June 22.

A two-time (2005 NCAA indoor and outdoor) All-America honoree in the 4x400-meter relay, Badowski helped that same relay squad to the 2006 UAA indoor and outdoor championships. A 2005 third-team Academic All-America recipient, Badowski also placed third in the UAA indoor and outdoor 400-meter races this season.

Badowski, a biology and philosophy-neuroscience-psychology major, has a chance to become just the third individual in WUSTL men's and women's track and field history to earn Academic All-America honors twice.

Asst. SID Povalitis earns regional award

Assistant sports information director Nick Povalitis has been named the 2005-06 American Volleyball Coaches Association Grant Burger Media Award winner for the Central Region. Povalitis, who enters his fourth season at the University, was one of eight award winners in Division III women's volleyball.

Povalitis, who also won the regional award for the 2004-05 season, handles all publicity for baseball, men's and women's cross country, men's soccer, men's and women's swimming and diving, men's and women's track and field, volleyball, women's basketball and women's tennis teams at the University.

For complete sports schedules and results, go online to bearsports.wustl.edu.

Sitemans

First Harris award went to the Lopatas
— from Page 1

Inc., the company he helped merge with Mercantile Bancorporation in 1997.

A leader of many organizations in St. Louis, he is a former chairman and a current member of the Barnes-Jewish Hospital Foundation's Board of Directors and of the Jewish Federation of St. Louis. He also served on the boards of Jewish Hospital and Barnes-Jewish Hospital.

Now an honorary trustee for the Saint Louis Art Museum, he also was a past president.

He is an emeritus trustee of the University and has received several major awards from the institution for his deep support and generosity, including the Dean's Medal for exceptional service to the Olin School of Business, and the Robert S. Brookings Award for advancing the alliance between the University and the community.

Furthermore, he received an honorary doctor of humanities degree in 2000 and the Second Century Award in 2002.

Ruth Siteman, a 1975 alumna of University College in Arts & Sciences, also is active in the community, serving as a board member for several key charitable organizations in St. Louis, including the Advisory Committee of Planned Parenthood of St. Louis, The Scholarship Foundation of St. Louis,

Reproductive Health Services, ACLU-Eastern Missouri, Beyond Housing and the St. Louis Psychoanalytic Institute.

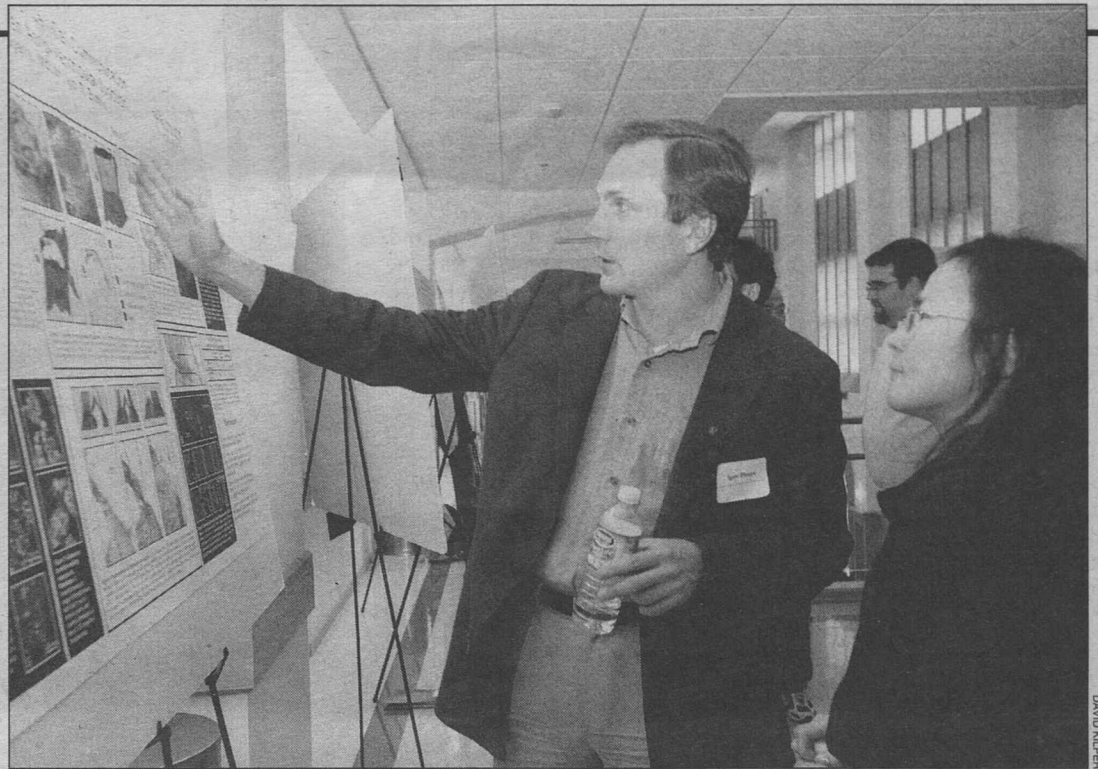
She is a founding member of the Arts & Sciences National Council.

The International Institute of St. Louis provides adjustment services and cross-cultural programming for immigrants and their families. The Sitemans' gift will provide support for the institute's after-school tutoring services for refugee teens, which include academic help and career counseling.

The University City Children's Center provides care and education for children, from 6 weeks to 6 years old, who come from a broad-based socio-economic and ethnic population. The center's philosophy emphasizes the critical role of literacy for future academic success.

The first Harris award was presented in 2000 to Lucy and the late Stanley Lopata, who supported Habitat for Humanity. Other recipients were the late Alice and the late Leigh Gerdine, for St. Louis Black Repertory Company; Ann and Lee Liberman, for Forest Park Forever; the late Elizabeth and William H. Danforth, for The Women's Society of Washington University; Marilyn and Sam Fox, for The Sam Fox School of Design & Visual Arts; and Mary Ann and Des Lee, for The Saint Louis Symphony Orchestra and Springboard to Learning.

For nomination information for the 2007 award, e-mail harrisprize@wustl.edu or call 935-6298.



Share the knowledge Igor Efimov, Ph.D., associate professor of biomedical engineering, discusses his poster with Kathryn Yamada, Ph.D., research associate professor of medicine, at the recent Cardiac Bioelectricity & Arrhythmia Center (CBAC) retreat in Uncas A. Whitaker Hall for Biomedical Engineering. Nearly 100 researchers, students and faculty across disciplines attended the all-day event that featured seven sessions, including a keynote talk by Dan Roden, M.D., of the Vanderbilt University School of Medicine, who spoke on "Hereditary and Drug-induced Arrhythmias: From Gene to Bedside and Back Again." CBAC is directed by Yoram Rudy, Ph.D., the Fred Saigh Distinguished Professor of Engineering and professor of biomedical engineering in the School of Engineering & Applied Science, and of cell biology & physiology, of radiology and of pediatrics in the School of Medicine. CBAC provides an interdisciplinary approach to studying and treating rhythm disorders of the heart.

Major

Says terrorism is 'ultimately ineffective'
— from Page 1

lution of the long-term dilemmas that the previous generations have failed to solve."

However, Major cautioned that it will take a special kind of leader and that some things need to change in order for the leadership to be effective.

"Sound-byte leadership will not do," he said. "Those glib phrases that are supposed to cure a serious problem are a fraud."

"If it's a serious problem, it can't be solved by a sound byte. And if it can be solved by a sound byte, then it's not a serious problem."

"In 40 years of public life, I only ever heard one worthwhile sound byte, and that was Boris Yeltsin before lunch at the Kremlin. I said to him, 'Boris, tell me in one word, what is the state of Russia?' He said, 'Good.' I was surprised — it was falling to pieces at the time. I said, 'Tell me in two words.' He said, 'Not good.'"

"Never accept sound-byte government," Major added, to loud applause.

He said leadership has many facets, referring to the various leadership styles of Abraham Lincoln, Josef Stalin, Genghis Khan and Mother Teresa as examples in history.

Major, who while prime minister initiated an unprecedented effort to secure lasting peace in Northern Ireland, went on to address terrorism.

"In our world, much has changed. The fear of global war that the Class of '56 would have

remembered only too well is gone. Today the fear is more of global terror. Terrorism has been with us since ancient times and now it is globalizing. ...

"Terror has developed a particular flavor," Major continued. "It has become a tool of extreme religion and a vehicle to oppose the free-market system. We should be concerned about it, but we should put terror in a proper context — so far it has failed utterly to gain any of its political objectives."

"The threat before us is the attempt to radicalize all of Islam — to set Muslim against non-Muslim by playing upon prejudice and by posturing hatred. This campaign can and does cause mayhem, but often it merely entrenches more securely that which it most seems to destroy."

Terrorism, he continued, is "ultimately ineffective."

"Mahatma Gandhi had far more success changing minds than Osama bin Laden will ever have," he said. "Terrorism and democracy are polar opposites. They cannot coexist; one must defeat the other. ... More important than any policing matters, democracy must deny terrorism its causes."

He then turned his attention back to the graduating class and recounted a visit several years ago to a shantytown just outside of Lima, Peru — a place he said, that "was a dismal place, a place that seemed to me almost entirely without hope."

After having breakfast with a local priest, the two of them saw schoolchildren on the way to class. The priest stopped a girl and asked her what she wanted to be when she grew up.

"She looked up at him with a look of puzzlement because I think she knew that he already

knew the answer," Major said.

"But nonetheless, eyes shining with optimism, she replied, 'I want to be a brain surgeon, I want to be a brain surgeon.' A soaring ambition for a child with nothing in a family that had nothing from the worst slums in Peru, a nation that has very little."

"I have no idea if she will ever realize her dream, but the message from that little girl is unmistakable to the educated graduates of a great university like Washington. It's a message everyone should listen to: Be ambitious. Aim high. Do today what your instincts tell you could wait until tomorrow. Never underestimate what you might be able to achieve."

"With luck, skill and effort, there is no ambition that need be denied you."

Record

Founded in 1905
Washington University community news
Associate Vice Chancellor Judith Jasper Leicht
Executive Editor Susan Killenberg McGinn
Editor Kevin M. Kiley
Associate Editor Andy Clendennen
Assistant Editor Neil Schoenherr
Medical News Editor Beth Miller
Calendar Coordinator Genevieve Posey
Print Production Carl Jacobs
Online Production Alice Hoette & Genevieve Posey
News & Comments
(314) 935-6603
Campus Box 1070
kiley@wustl.edu
Medical News
(314) 286-0119
Campus Box 8508
millerbe@wustl.edu
Calendar Submissions
Fax: (314) 935-4259
Campus Box 1070
recordcalendar@wustl.edu

Record (USPS 600-430; ISSN 1043-0520), Volume 30, Number 35/June 9, 2006. Published for the faculty, staff and friends of Washington University. Produced weekly during the school year, except school holidays, and monthly during June, July and August by the Office of Public Affairs, Washington University, Campus Box 1070, One Brookings Drive, St. Louis, MO 63130. Periodicals postage paid at St. Louis, MO.

Where to send address changes

Postmaster and nonemployees: Record, Washington University, Campus Box 1070, One Brookings Drive, St. Louis, MO 63130.

Employees: Office of Human Resources, Washington University, Campus Box 1184, One Brookings Drive, St. Louis, MO 63130.

Grant

— from Page 1

founded and originally funded through this grant, and is now funded by the University to support students in introductory courses in biology and other science areas.

There were four previous grants to WUSTL (including the one that is now running) from HHMI on which Elgin was the principal investigator; all have funded these types of activities.

The new grant will continue to build strength in science edu-

cation through:

- Science outreach to K-12 (headed by Victoria L. May, outreach director in biology);
- Undergraduate research through the Summer Undergraduate Research Fellowships (for WUSTL undergrads to work in University faculty labs, overseen by Miller);
- Summer scholars in biology and biomedical sciences (pre-freshmen research program);
- Curriculum enhancements in chemistry, physics and biology, and
- Mentoring programs for undergraduates struggling in chemistry.

Notables

New roles for Roloff, Hoffner

By ANDY CLENDENEN

Richard A. Roloff and Steven P. Hoffner will assume new responsibilities with the University effective July 1, announced John E. Klein, J.D., executive vice chancellor for administration.

Roloff will become vice chancellor for capital projects and will report to Klein and Chancellor Mark S. Wrighton. In his position, Roloff will oversee the planning, costing and timely completion of the large slate of major construction projects currently in development, including the Social Science/School of Law building, the underground parking garage, the second phase of the Snow Way Garage and the University Center.

Hoffner will become assistant vice chancellor for real estate and president of Quadrangle Management Co. and Quadrangle Housing Co. He will also lead the internal real-estate committee and be a key player on real-estate strategy and execution.

The position will give him a broader role relating to real-estate activities, in addition to his current responsibilities of overseeing off-campus housing, police and transportation. He will report to Klein.

Connie Kraus will become director of real estate and handle University property acquisitions and dispositions and management of the University's commercial properties.

She will report to Hoffner.

Amacher named Hillel director

By NEIL SCHOENHERR

Carolyn Amacher has been named director of the St. Louis Hillel at Washington University. She will begin July 10.



Amacher

Amacher spent the past 13 years working in executive management of several Jewish Community Centers throughout the United States, most recently as chief operating officer of the Merage JCC of Orange County, Calif.

Amacher has bachelor's de-

grees in journalism and psychology from Syracuse University. She also earned a master of social work degree from Yeshiva University and a Jewish studies certificate from the International Program for Israel and Jewish Learning in Arad, Israel.

She has served as vice president for the Association of Jewish Center Professionals, president of the Syracuse University Alumni Club of Central Virginia and chair of the Community Advisory Board for KXCI Community Radio in Tucson, Ariz.

As a member of the Western Region Partnership 2000 Steering Committee, she developed an environmental educational workshop with American and Israeli teens.



Extraordinary service Lorraine Goffe-Rush, director of employee relations and human resources, presents a photo to Harry Moppins, president of the Black Alumni Association, during a recent award reception in Whittemore House recognizing the seven individuals selected as 2006 Gerry and Bob Virgil Ethic of Service Award recipients. The award is presented annually to a select group of WUSTL community members who exemplify a character of service and giving to the St. Louis region. This year's winners were Moppins; Jane Aiken, J.D., the William M. Van Cleave Professor of Law; Phyllis Ballard, clinical nurse coordinator in pediatrics in the School of Medicine; Seth Bloom, student in the School of Medicine; Chancellor Emeritus William H. Danforth; Ollie Fisher, alumni and co-founder of Give Kids A Smile; and junior Lorin Kline.

Eight from Arts & Sciences awarded Fulbrights

By NEIL SCHOENHERR

Eight Arts & Sciences students have been awarded Fulbright Scholarships for the 2006-07 academic year, announced Priscilla Stone, Ph.D., executive director of international programs in Arts & Sciences.

Six are recently graduated seniors, and two are graduate students. They will spend a full academic year in a host country.

The graduate students, along with their fields and locations of study, are Marc Fourrier, anthropology, Gabon; and Jennifer Wistrand, anthropology, Azerbaijan.

The recently graduated undergraduates are Robert Gross, teaching English as a foreign language, Spain; Catherine Kelly, international relations, Belgium; Helen Pfeifer, history, Germany; Nicole Solawetz, teaching English as a foreign language, Chile;

Jaime Thomas, teaching English as a foreign language, Malaysia; and Christine Whitney, teaching English as a foreign language, Argentina.

"We are very pleased and honored that so many WUSTL students have been chosen for this very competitive award," said Amy Suelzer, the University's Fulbright Program adviser.

"They certainly reflect the tremendous talent and accomplishment of our graduate and undergraduate students. We wish them much success during their Fulbright years."

Under the Fulbright Program, 1,125 American students have

been offered grants to study and conduct research in 140 countries throughout the world, beginning this fall. The program, established in 1946, is sponsored by the U.S. Department of State.

More than 100,000 Americans have held Fulbright grants since its inception.

This year's Fulbright students were selected from more than 5,000 applicants. The awardees come from all 50 states as well as the District of Columbia and Puerto Rico.

They are drawn from a diverse cross-section of American higher education, with more than 250 institutions represented.

For the Record

Of note

A. Peter Mutharika, J.S.D., professor of law, has been appointed to the Panel of Arbitrators and the Panel of Conciliators of the International Centre for Settlement of Investment Disputes. Some 143 countries are contracting parties to this World Bank center, which serves as the tribunal for resolving international investment disputes. Mutharika is an expert on international economic law, international

law and comparative constitutional law. He has played a leading role in the conceptualization and structuring of Malawi's new democratic Constitution; served as general counsel of the Malawi Action Committee, a human-rights organization; and advised his brother's successful campaign for the presidency of Malawi. ...

Jean Schaffer, M.D., associate professor of medicine and of molecular biology and pharmacology, was named the associate director of the Diabetes Research Training Center.



Spring cleaning (From left) Junior Kim Christophe and sophomores Nicole Serize, Ben Kay and Leah Alexander scrub down a dog during the Campus Y's recent "WAGS" dog-washing fund-raiser at Wydown Middle School in Clayton. Thirty WUSTL students pitched in to wash 15 dogs, helping to raise \$200 for the Animal Protective Association and the St. Louis Animal Regulation Center.

Libraries announce annual Neureuther book collection competition winners

University Libraries have announced the 2006 undergraduate and graduate-student winners of the annual Neureuther Student Book Collection Essay Competition. Prizes are \$1,000 for first place and \$500 for second.

Graduate category, first-place winner: Ryan Shirey, Ph.D. candidate in English literature in Arts & Sciences.

In his entry, "The Private Memoirs and Confessions of a Justified Collector of Scottish Books," Shirey explained how he came to write his dissertation on the Scottish Renaissance of the 1920s-1940s.

He counters the argument that Scottish literary history is fragmented, adding that "the plucking of truth from the fragments of the past is at the heart of reading and collecting itself."

Second place: Benjamin Cawthra, Ph.D. candidate in history in Arts & Sciences.

Cawthra entered "The Improving Image: A Jazz Photography Collection."

Related to his dissertation on the meaning of jazz images in post-World War II American culture, Cawthra's collection of books of jazz photographs has led him to interview several photographers and has given him a deeper understanding of the lives behind the images.

Undergraduate category, first place: Jennifer Feder, senior in mathematics in Arts & Sciences.

Feder submitted "Women's Wisdom: Sharing Her Voice," which discusses her collection of memoirs and autobiographies by women.

These stories, often about bridging cultural barriers and overcoming hardships, help Feder understand her life in a larger context and inspire her to action.

Second place: Wendy Xin, pursuing a double major in English literature and in finance and marketing in the Olin School of Business.

Xin entered "The Kindred Spirits of My Dusty Upper Shelf," an essay about her collection of children's literature.

As a child, these books expanded her world. Today, she still considers them a "refuge for peace and for counsel."

The winning essays can be found online at library.wustl.edu/collections/winners.html.

The competition is made possible by an endowment from Carl Neureuther, a 1940 WUSTL graduate who sought to encourage University students to read for pleasure throughout their lives. His endowment also funds University Libraries' Popular Literature Collection.

Washington People

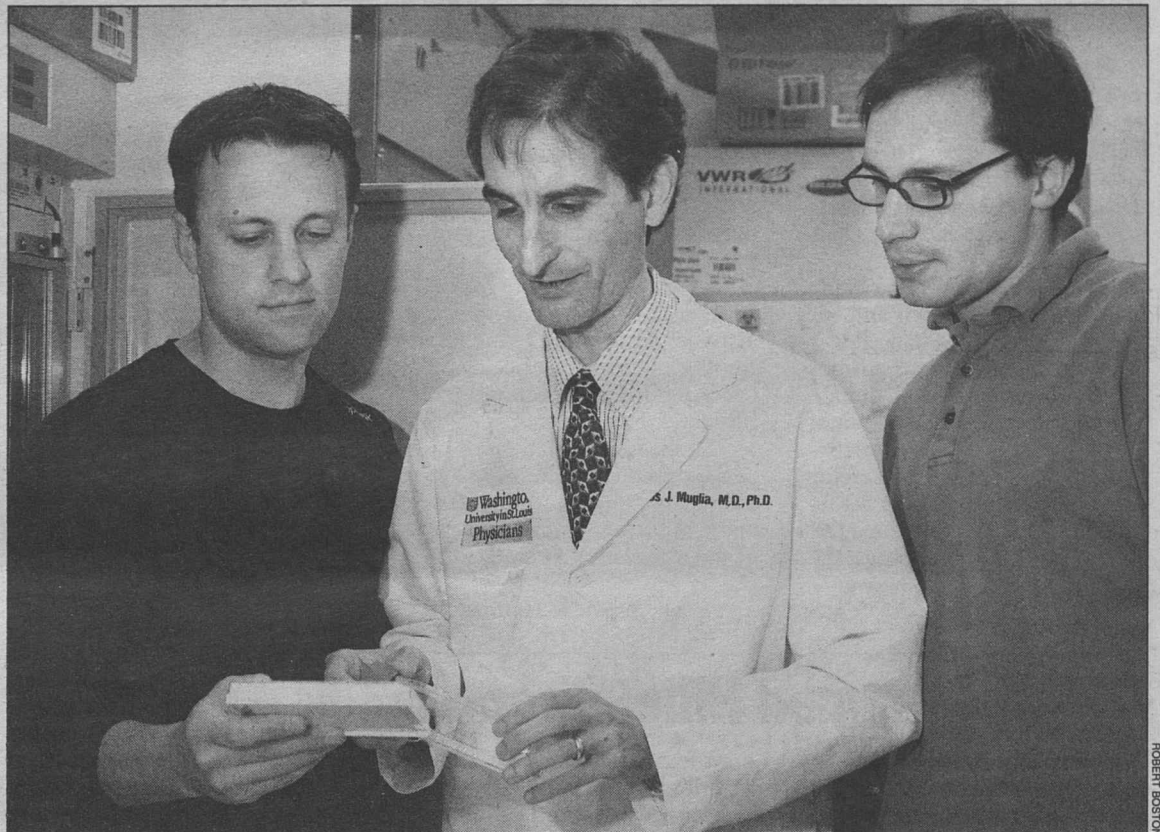
You're late for work and up ahead traffic is backing up. You know you're never going to make the 11 a.m. deadline for that big report. Plus, you skipped breakfast and you suspect you're getting the flu.

You're suffering from stress — both psychological and physical.

Louis J. Muglia, M.D., Ph.D., understands stress at a level most people can't. While projecting a decidedly stress-free and calm demeanor, Muglia spends much of his time thinking about the stress response. He is investigating the factors that turn on and off the signals regulating hormone release from the adrenal glands, where "stress hormones" are made.

Muglia, associate professor of pediatrics, of molecular biology and pharmacology and of obstetrics and gynecology, came to the School of Medicine in 1996 with a bachelor's degree in biophysics from the University of Michigan and a doctorate and medical degree from the University of Chicago. Attracted early to the lab bench, he was continually involved in research projects during his education and training.

"In fact, after I graduated from Chicago and went into my pedi-



(From left) Paul J. Bernard, M.D., a fellow in pediatric endocrinology, Louis J. Muglia, M.D., Ph.D., and graduate student Jeff Roizen analyze a transfection experiment in Muglia's lab. "Lou is an outstanding clinician, a gifted educator and a creative and passionate investigator," says Alan Schwartz, Ph.D., M.D., the Harriet B. Spoehrer Professor and head of pediatrics and professor of molecular biology and pharmacology. "Lou is the real deal — a triple-threat physician-scientist of the 21st century."

By GWEN ERICSON

Relaxing in a harried world

Louis J. Muglia studies how stress responses can lead to further afflictions

atrics residency at Children's Hospital in Boston, I short-tracked into a fellowship program," he says. "I wanted to be able to get back into a laboratory as quickly as I could."

In the spirit of the true physician-scientist, he looked for research that would allow him to continue investigating basic science but that could be adapted to questions that would arise in his clinical practice.

"Lou is an outstanding clinician, a gifted educator and a creative and passionate investigator," says Alan Schwartz, Ph.D., M.D., the Harriet B. Spoehrer Professor and head of pediatrics and professor of molecular biology and pharmacology. "Lou is the real deal — a triple-threat physician-scientist of the 21st century."

That appellation is echoed by another of Muglia's colleagues, Jonathan Gitlin, M.D., the Helene B. Roberson Professor of Pediatrics and professor of genetics, who calls Muglia the quintessential physician-scientist.

Because he practices in the

field of pediatric endocrinology, many of Muglia's young patients have disorders of the pituitary and adrenal glands, which have among the most devastating of effects.

"I want to understand better how to treat disruptions in the areas that control stress hormones," he says. "We've begun to see how such disruptions extend to other diseases like depression and autoimmune disorders. It's an area that spans disciplines and affects many, many people."

The stress response occurs when the hypothalamus, a small region of the brain that sits just above the sinus cavities, receives signals that the body is under stress — signals that say "virus attack!" or "low blood sugar!" or "danger ahead!" The hypothalamus then alerts the pituitary gland, which in turn tells the adrenal gland to secrete stress hormones.

"The adrenal hormones affect every tissue in the body," Muglia explains. "So they influence many disease processes, and we don't yet have a complete understanding of how large their impact is."

In the course of their work on the hypothalamic-pituitary-adrenal mechanism, Muglia and his research team have found that certain adrenal hormones, called glucocorticoids, exert strong effects on the immune system.

"If a person's immune system lacks the ability to properly respond to stress levels of glucocorticoids, it can over-respond to infection, and the inflammatory response won't shut off after the infection is gone," Muglia says.

Chronic inflammation has proven to be a source of many degenerative diseases and autoimmune disorders such as asthma, arthritis, lupus and inflammatory bowel disease.

Nerves in the brain also respond to the glucocorticoid hormones, and Muglia has found that impairment of this response leads to despair-like behaviors in lab mice, behaviors very much like those that depression causes in people. According to Muglia, these findings suggest that an important therapeutic target for new treatments for depression is the brain receptors that react to glucocorticoids.

Muglia also would like to better define the genes that are acti-

vated or repressed by glucocorticoids. Steroids such as glucocorticoids are among the most commonly used drugs, and they are prone to numerous side effects. Muglia believes research into the genes affected by glucocorticoids could reveal a way to limit the "bad" targets of glucocorticoids while maintaining the "good" targets.

Muglia's training as a pediatrician has fueled his interest in another area of research — preterm birth. He notes that the number of preterm births in the United States has risen inexplicably by 20 percent in the past two decades, now complicating 12 percent of pregnancies.

It turns out that many of the components of the stress response pathway are involved in determining when a baby is born. Muglia's research aims to better predict who will go into preterm labor and better treat preterm labor once it starts.

Muglia enthusiastically points out how much his research depends on the members of his laboratory, which include students from neurosciences, immunology and molecular cell biology programs, postdoctoral fellows and his senior technician of 10 years, Sherri Vogt.

"To me the highlight of Washington University has been phenomenal colleagues at the faculty, postdoctoral and student levels," Muglia says. "The students have been absolutely great. It's fun to come in every day and see how well they do."

Muglia said he feels he had excellent mentors as he made his way through his degree programs and wants to give back in kind. He has received special recognition awards for mentorship from the Graduate Student Senate on four occasions and was also named Outstanding Teacher in General Pediatrics in 2004.

"These honors mean a tremendous amount to me," Muglia says. "And being division director of pediatric endocrinology and one of the unit leaders of the developmental biology and genetics unit has given me further great opportunities to mentor very talented people coming through the pediatrics clinical and research environments."

Even though he runs his own lab now, Muglia knows that he still benefits from faculty members who serve as his mentors. Muglia names Schwartz as a strong influence on his science,

saying he has been a fantastic mentor to him. Equally, Muglia praises Gitlin for his scholarly guidance. Both have shown keen insight and great breadth of understanding, according to Muglia.

"I am truly honored to count Lou among my very closest colleagues," Gitlin says. "He has a passion for excellence in the scientific pursuit of new knowledge, a compassionate and gifted approach to patient care and teaching and a devotion to the obligations of citizenship that make a department great."

"We are so very proud to count him among our faculty and institutional leaders," Schwartz says.

When not devoting time to his work at the School of Medicine, Muglia spends his time with his family. He has been married for 22 years to Lisa Muglia, Ph.D., research associate in pediatrics. Lisa Muglia has worked in her husband's lab almost since the two moved to St. Louis.

"She's been a great asset to the lab," Muglia says. "But I probably talk less with her than anyone else in the lab because I know I'll catch up with her at home."

The couple has two children. Their daughter, Sarah, will be 21 this year and attends Beloit College in Wisconsin where she's studying French and religious studies. Their son, Peter, is a senior in high school and plans to attend George Washington University in the fall. His interests lie in the study of history.

Asked about not having any scientific offspring, Muglia gives a tongue-in-cheek answer: "I haven't given up yet."

But then he continues, "Whatever makes them happy and however they feel they can impact the world is great with me."

No stress there.

Louis J. Muglia

Family: Wife, Lisa; daughter, Sarah (20); son, Peter (18)

Years at the University: 10

Hobbies: Wine and cooking: "In my family, we do a tremendous amount of cooking together. We try anything"; music and poetry: "In a previous life, I was an aspiring classical guitarist. I still have my four guitars"; tennis with his son: "That's my main athletic recreation."

About his work as physician, researcher, teacher and mentor: "Some days it seems a little overwhelming, but I can see doing nothing else."



Peter, Lisa and Sarah Muglia on a family vacation in Italy.