

Washington University School of Medicine

Digital Commons@Becker

Washington University Record

Washington University Publications

12-10-2009

Washington University Record, December 10, 2009

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

Recommended Citation

Washington University Record, December 10, 2009. Bernard Becker Medical Library Archives.
<https://digitalcommons.wustl.edu/record/1198>.

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 vanam@wustl.edu.

Record



Washington University in St. Louis

Dec. 10, 2009

record.wustl.edu

Surgery not linked to memory problems in older patients

BY JIM DRYDEN

For years, it has been widely assumed that older adults may experience memory loss and other cognitive problems following surgery. But a new study from School of Medicine researchers questions those assumptions. In fact, the researchers were not able to detect any long-term cognitive declines attributable to surgery in a group of 575 patients they studied. "There's a perception that people go in for surgery and they aren't quite the same afterward," said first author Michael S. Avidan, M.D., associate professor of anesthesiology and of surgery. "The reports of cognitive deterioration have varied, but several studies have suggested it affects many elderly people. In my experience as an anesthesiologist, I've found this is a very common concern."

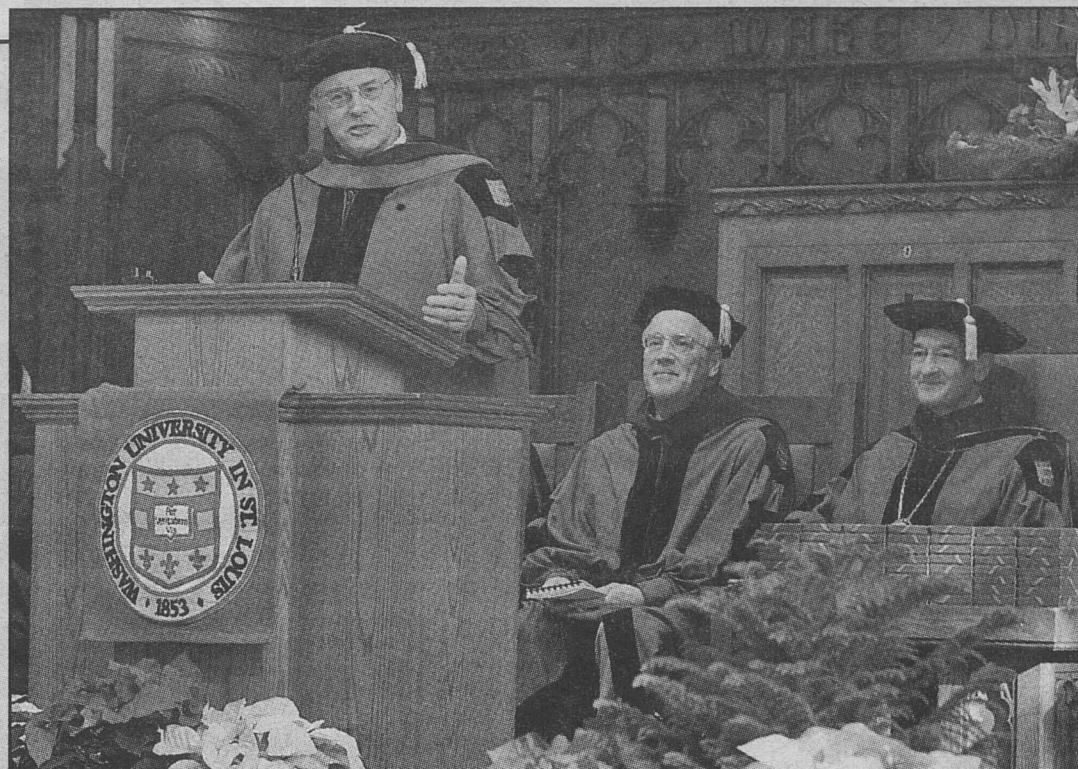
But Avidan and fellow investigator Alex S. Evers, M.D., the Henry E. Mallinckrodt Professor and head of Anesthesiology, questioned those conclusions.

"We wondered how reasonable it was to compare people having surgery to people who were perfectly healthy," Evers said. "We thought a better comparison group might be people who were equally ill."

Past cognitive studies tested surgery patients just before an operation and again several months later. So if a patient was just beginning to suffer declines at the time of the first test, it might be assumed that further declines at follow-up were caused by their operation when, in fact, they already were under way. To get better initial screenings, Avidan and Evers examined data from the University's Alzheimer's Disease Research Center (ADRC).

The ADRC tests cognitive function in volunteers annually, beginning at age 50. Having years of cognitive data on hand made it easier to map a person's cognitive trajectory before and after surgery or illness and see whether either

See **Memory**, Page 2



December ceremony Gary C. Dollar, president and chief executive officer of the United Way of Greater St. Louis, delivers remarks at the December Degree Candidate Recognition Ceremony in Graham Chapel Dec. 5. Looking on is Grand Marshal Robert E. Wiltenburg, Ph.D. (center), dean of University College in Arts & Sciences, and Chancellor Mark S. Wrighton, who gave the Chancellor's Message to the degree candidates. There are 773 December degree candidates. A reception for the candidates attending the ceremony, along with their families, friends, faculty and administrators, followed in the Danforth University Center. Dollar directs United Way's support of more than 200 health and human service agencies that provide assistance to more than one million people in 16 counties in Missouri and Illinois. In its annual fund-raising drive that launched in September, the St. Louis United Way surpassed its goal of \$66.5 million, raising \$67.1 million, despite the down economy.

Chancellor promotes three to key academic offices

BY NEIL SCHOENHERR

Three academic appointments have been announced by Chancellor Mark S. Wrighton.

Gerhild S. Williams, Ph.D., the Barbara Schaps Thomas and David M. Thomas Professor in the Humanities, associate vice chancellor, special assistant to the chancellor for academic affairs and professor of German, of comparative literature and of women, gender and sexuality studies, all in Arts & Sciences, has been named vice provost. She will expand her role to include work with Edward S. Macias, Ph.D., provost, executive vice chancellor and the Barbara and David Thomas Distinguished

Professor in Arts & Sciences, and will be the principal liaison between the Office of the Provost and Office of the Chancellor.

James V. Wertsch, Ph.D., the Marshall S. Snow Professor in Arts & Sciences, director of the McDonnell International Scholars Academy and director of the International & Area Studies Program in Arts & Sciences, has been named associate vice chancellor for international affairs. He will be the responsible University official regarding international programs.

Priscilla Stone, Ph.D., director of overseas and undergraduate programs in the International & Area Studies Program and adjunct associate professor of anthropology in Arts & Sciences, has been

named assistant provost for international education. She will continue to be responsible for issues related to overseas and off-campus programs, including the development of programs for undergraduate study in Washington, D.C., and Shanghai, China.

"During my tenure here, I have had the privilege of working closely with Dr. Wertsch, Dr. Williams and Dr. Stone," Wrighton said. "All have made significant contributions to the University, and it is rewarding to be able to recognize their achievements in this important way. Their continuing leadership will bring great benefit to Washington University."

See **Promotions**, Page 6

ITeach 2010 to host 'Conversations on Teaching'

BY JESSICA DAUES

Though faculty members may teach a variety of courses to both graduate and undergraduate students, most have little opportunity to discuss teaching with colleagues from outside their own departments.

That's why ITeach 2010, which will take place Jan. 14, can be invaluable to faculty, said Kathryn G. Miller, Ph.D., professor and chair of biology in Arts & Sciences. ITeach is a biennial event at which WUSTL faculty can gather to share insights on teaching and to learn about new teaching methods and technology that can improve student learning.

"Faculty often are focused on

their research and on courses within their own department," said Miller, one of three faculty members participating in the plenary panel discussion at ITeach 2010. "There aren't many opportunities to get together and talk about issues in the classroom."

ITeach 2010 will take place from 8:45 a.m.-4:30 p.m. at Seigle Hall and is hosted by Arts & Sciences, The Teaching Center and University Libraries. ITeach is free and open to all University faculty members. The Teaching Center requests that those planning to attend register by Jan. 5.

"Our faculty provide an education that is second to none," said Provost Edward S. Macias, Ph.D.,

See **ITeach**, Page 6

Record to go all-electronic

This is the last print edition of the Record, which will go entirely digital in January 2010 to improve timely communication to the University community and to reduce printing and distribution costs.

If you already receive the eRecord through e-mail, you will begin to receive an all-new daily eRecord in mid-January. If you do not currently receive the eRecord e-mail and wish to be added to our e-mail list, send your e-mail address to record@wustl.edu.

The Record staff wishes everyone a safe and happy holiday season.

Whittemore House changes membership requirements

December 2009 marks Whittemore's 40th anniversary

BY JESSICA DAUES

For 40 years, Whittemore House has been a hub of the Danforth Campus. The University's faculty/staff conference center has hosted birthday parties, employment negotiations, academic power lunches, wedding celebrations and retirement luncheons.

In honor of Whittemore House's 40th anniversary as a premier gathering space, the Whittemore House Board of Directors has voted to alter membership requirements to make the facility more accessible to University faculty and staff members. In addition, several new programs

are being implemented to generate more interest in membership.

"Over the past 40 years, Whittemore House has provided the backdrop for numerous memorable events," said Steven P. Hoffner, associate vice chancellor for operations. "It has been a comfortable gathering spot for our faculty and staff, and we hope that these changes will ensure that tradition continues."

Among the changes are:

- Elimination of the \$120 initiation fee for faculty, staff and Eliot Society members
- Reduction in monthly dues from \$21 to \$5 per month for benefits-eligible employees

- Free membership for the first six months for new employees
- Acceptance of credit cards to make it easier for members to bring guests
- New special programs for members and their families.

"Whittemore House offers members a place to have a high-quality lunch on campus in a quiet, reserved atmosphere for both individuals and groups," said Ida Early, secretary to the Board of Trustees and president of the Whittemore House Board of Directors.

"It's also the most reasonable opportunity to belong to a private club in St. Louis, and it's a club

that is open only to the Washington University community," Early said.

Members have the opportunity to participate in special events throughout the year and book Whittemore House for private events such as weddings and parties.

The new programs at Whittemore House include:

- The Polar Express Experience, 2 p.m. Saturday, Dec. 12. A storyteller will read "The Polar Express," a book about a child's magical train ride to the North Pole. Santa will visit, and those attending can play games and eat holiday treats. A portion of the proceeds will benefit the St. Louis Post-Dispatch's 100 Neediest Cases.

See **Whittemore**, Page 6



3 2201 20363 3827



Outstanding professors Faculty achievement award winners Enola K. Proctor, Ph.D. (left), and Jeffrey I. Gordon, M.D., get a sneak peak of their award plaques before the faculty achievement awards ceremony Dec. 5 at the May Auditorium in Simon Hall on the Danforth Campus. Proctor, the Frank J. Bruno Professor of Social Work Research and associate dean for faculty, received the Arthur Holly Compton Award for Faculty Achievement, and Gordon, the Dr. Robert J. Glaser Distinguished University Professor and director of the Center for Genome Sciences, was presented the Carl and Gerty Cori Award for Faculty Achievement. Both professors also received \$5,000 and gave presentations of their scholarly work during the program. The recognition ceremony was followed by the annual Chancellor's Gala at the Danforth University Center.

Patient's gift funds myeloma research at School of Medicine

By GWEN ERICSON

Harvey and Linda Saligman have committed to establish the Harvey and Linda Saligman Multiple Myeloma Research Fund in the Department of Medicine's Division of Oncology.

The gift is in recognition of the division's excellence in the field and in gratitude for treatment received for the disease. It will support multiple myeloma research to understand the root causes of the disease and develop new treatments that will improve the outcomes for myeloma patients.

"The Saligmans' gift offers the opportunity for Washington University to enhance its already impressive strengths in the areas of multiple myeloma research and treatment," Chancellor Mark S. Wrighton said. "We are very grateful for the Saligmans' compassionate action in supporting this important endeavor."

Harvey Saligman, a St. Louis-area private investor, was diagnosed with multiple myeloma about three years ago. He has been treated by Ravi Vij, M.D., an oncologist with the Siteman Cancer Center. Saligman's myeloma is now in remission.

"Having been associated with

Washington University for more than 20 years, I know its capabilities — I know it has great physicians and researchers," Saligman said. "And when I learned I had myeloma, Linda and I decided that we had the chance to make a huge difference for many people by supporting research into this disease."

Multiple myeloma, also called myeloma or plasma cell myeloma, is the second most common type of blood cancer. Myeloma cells collect in the bone marrow and may damage the solid part of the bone.

Division of Oncology chief John DiPersio, M.D., Ph.D., also deputy director of the Siteman Cancer Center and the Lewis T. and Rosalind B. Apple Chair in Oncology, said the division's basic scientific research is among the best in the country, and its clinical research programs are growing rapidly.

"We are at a critical point and ready to go from a local and regional center to a national myeloma center," DiPersio said. "The Saligmans have made their generous gift with the hope that it will create excitement and enthusiasm in the community and be self-perpetuating. It is an important gift because funding from

other sources is not enough — community and philanthropic support is what will make the difference to our success."

Harvey Saligman has been a member of the Board of Trustees since 1986. He is a partner in Cynwyd Investments, a family real-estate partnership.

The Saligmans also have given funds to support undergraduate scholarships at the University and to construct the Saligman Family Atrium at the Mildred Lane Kemper Art Museum. They also established the Craig K. Reiss, M.D., Award for Excellence in Teaching at the School of Medicine.

Saligman found he had myeloma after developing severe hip pain that made walking nearly impossible. A scan of the hip showed a myeloma tumor. Fortunately, hip surgery, radiation therapy and a bone-marrow-suppressing drug eliminated his tumor and the pain.

"Linda and I have learned that myeloma has had comparatively little research support," Saligman said. "We realized we could help change that and, at the same time, bring the credit to Washington University, whose quest for excellence has kept us involved over the years."

physically recover from surgery, they should expect that within six months or a year, they will return to their previous level of cognitive ability, too."

Evers and Avidan say this study would have been impossible without a database of patients like those at the ADRC. Knowing how people functioned for years before and after surgery or illness allowed them to learn whether a major event somehow changed their cognitive trajectories. It did not, even in patients with dementia at the time of surgery.

"This is an important finding for persons with Alzheimer's and their families who may worry that a pending operation could adversely affect the patient's cognitive status," said John C. Morris, M.D., the Harvey A. and Dorismae Hacker Friedman Distinguished Professor of Neurology and director of the ADRC. "There has been a widespread belief that the memory and thinking abilities

of patients with early Alzheimer's disease may worsen as a consequence of surgery, but the evidence from this study does not support that belief."

The investigators said their study, published in the November issue of the journal *Anesthesiology*, is not the final word on the relationship between surgery and cognitive declines.

They believe that some patients may be more vulnerable for genetic reasons or because of how their brains react to surgery or anesthesia.

They also excluded cardiac surgery patients from this study because of elevated stroke risk and other risks posed by cardiac surgery that aren't as common in other types of operations. But they said, in general, the findings should be a relief for older people facing surgery.

For more on this story in video, visit mednews.wustl.edu/news/page/normal/15115.html.

Biodiesel powers WUSTL Dining Services truck

The same oil used on the Danforth Campus to make french fries is powering a truck near you.

Used vegetable oil from WUSTL Dining Services kitchens is being reused as biodiesel in a dining services vehicle on campus. Through the program, which began in November, WUSTL Dining Services is partnering with St. Louis company Kelley Green Biofuel to prevent approximately 150 gallons of waste vegetable oil each week from ending up in a landfill. Instead, the cooking oil will be used as fuel in a dining services truck.

Cooking oil is collected at three campus locations: the Village House, Mallinckrodt Student Center and the South 40 House. After cleaning the vegetable oil and converting it into biodiesel, Kelley Green — founded by Kristopher Kelley, a 2008 WUSTL alumnus in Arts & Sciences — returns the oil to a 300-gallon holding tank at North Campus.

According to Jill Duncan, dining services marketing director, plans are eventually to expand the program to fuel other dining services vehicles.

"Sustainability is the cornerstone of our dining philosophy at Washington University," Duncan said. "For years, we have purchased directly from small owner-operated local farmers; served seasonal, responsibly sourced food; and focused on reducing our carbon emissions."

"This biodiesel program takes us one step further in our quest to make our environmental footprint as small as possible while providing delicious food for our guests,"

Duncan said.

To create biofuel from used vegetable oil, Kelley Green first cleans the used vegetable oil to remove the food sediment and water. Next, sodium hydroxide (lye) and methanol are mixed with the oil to remove the glycerin.

Before the fuel is returned to the campus, Kelley Green adds a portion of petroleum diesel — the amount depends on the season, with more being required in the winter, when it's cool, and less in the summer, when it's warm.

This process allows the final product to run in any diesel engine without modifying the engine.

One gallon of waste vegetable oil yields about one gallon of biofuel, which, in turn, has a comparable energy content to one gallon of petroleum diesel.

During the process, Kelley Green stores the oil in salvaged tanks. Kelley Green's refinery was built with almost entirely recycled materials.

The biodiesel program at Washington University is one of many steps toward environmental sustainability taken by WUSTL Dining Services and Bon Appetit Management Co., the contractor that provides dining services on the Danforth Campus. In 2007, Bon Appetit launched its Low Carbon Diet, which pledged to reduce the company's carbon emissions by 25 percent by 2010.

At WUSTL, sustainable practices by dining services include using local products when possible, showing the connections between food choices and climate change and serving only sustainable seafood.

Campus Watch

The following incidents were reported to University Police Dec. 1-7. Readers who have information concerning these incidents are urged to call 935-5555.

Dec. 1

10:21 a.m. — A person reported license plates had been stolen from a vehicle parked next to Goldfarb Plant Growth Facility Nov. 30 between 9 a.m. and 10 p.m.

Dec. 3

9:32 a.m. — A person reported a laptop computer belonging to the University was stolen out of a classroom in Givens Hall between 11 p.m. Dec. 2 and 3:45 a.m. Dec. 3. The classroom door was left unlocked, and the cable lock on the computer was cut.

Dec. 5

2:41 p.m. — A person

reported theft of an unsecured bike from the north side of Brown Hall.

Dec. 7

11:11 a.m. — A suspicious person was reported in Rebstock Hall. University police responded but were unable to locate the subject. While in the building, a second subject reported that her purse had been stolen. Caller verified seeing the suspicious person with the victim's described purse.

Additionally, University Police responded to four sick cases, two accidental injuries, two acts of vandalism, two auto accidents, one drug offense and one larceny.

Memory

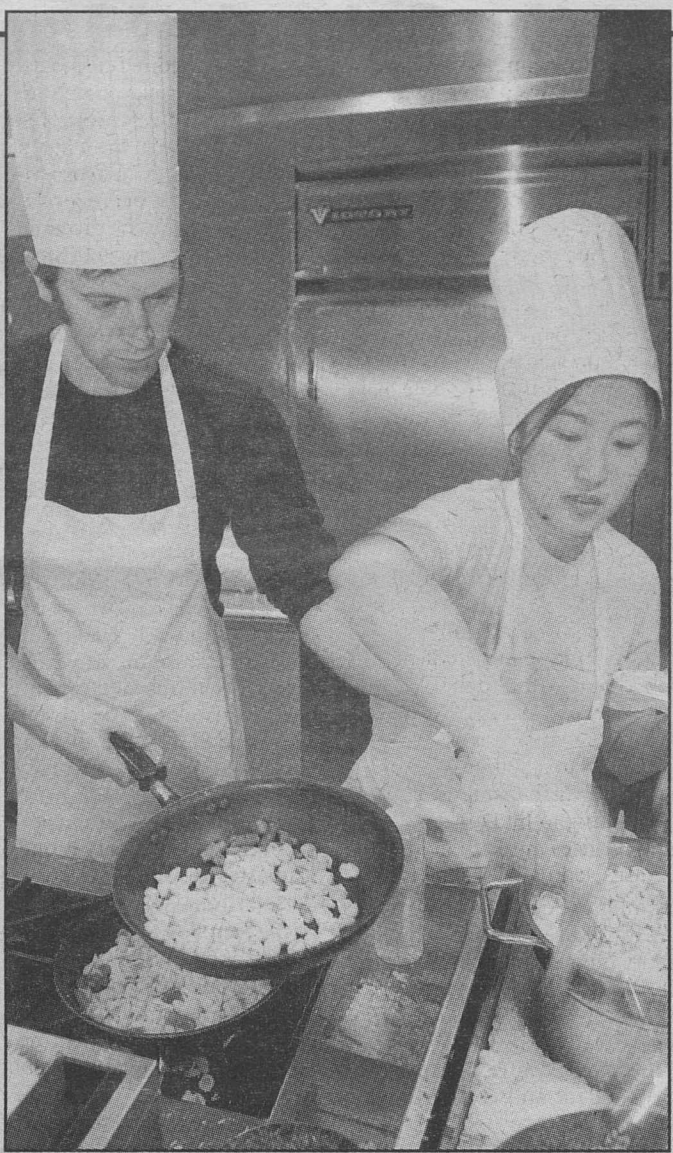
A relief for older patients facing surgery — from Page 1

had any long-term impact on cognitive performance.

The 575 patients they studied had been tested annually at the ADRC and include those with Alzheimer's-type dementia. At the start of the study, 361 people had mild to moderate dementia, and 214 were dementia-free. Those patients were divided into three groups: those who had surgery, those with illness and a third group with neither.

"We were able to use patients as their own controls before and after surgery and to compare groups of patients over time, and we did not detect any evidence of a long-term cognitive decline," Evers said. "Our findings suggest that if older people

School of Medicine Update



Trading an anatomy book for a chef's hat Ryan Anderson (left), president of the School of Medicine's second-year class, and Elaine Khoong, president of the medical school's first-year class, prepare asparagus and chicken conchiglie pasta entrees in the Shell Cafe in the McDonnell Medical Sciences Building Nov. 18 for Guest Chefs Day. Diners also brought 80 canned goods that were donated to the St. Cronan Church food pantry at 1202 S. Boyle Ave.

Genetic variation does not alter asthma treatment response

By GWEN ERICSON

Studies have suggested that asthma patients with a specific genetic variation might not respond as well to certain treatments as those with a different variation.

But an article published in a recent edition of *The Lancet* shows that patients with either variation respond to combination treatment, and that this treatment should be continued for these patients.

The study, called the Long-Acting Beta Agonist Response by Genotype (LARGE) trial, was conducted by the Asthma Clinical Research Network established by the National Institutes of Health. Mario Castro, M.D., professor of medicine in the Division of Pulmonary and Critical Care Medicine and of pediatrics, is one of the study's authors.

"This study is important as it provides reassurance that the use of combination medications, inhaled steroids and long-acting beta-agonists (trade names Advair or Symbicort), which are widely prescribed for asthma, are safe in patients who have this genetic variation," he said.

The genetic variation relates to the beta-2-adrenergic receptor that asthma bronchodilators bind to in order to exert their effects. Some studies suggest that patients with two genes coding for the amino acid arginine at a certain position in this receptor (termed B16 Arg/Arg) benefit less from treatment with long-acting beta-2 agonists such as salmeterol and inhaled corticosteroids than do those with two genes coding for amino acid glycine (termed B16 Gly/Gly) at this position. The authors investigated whether there is a genotype-specific response to treatment with a

long-acting beta-2 agonist in combination with an inhaled corticosteroid.

In this randomized controlled trial, adult patients with moderate asthma were enrolled in pairs of similar lung capacity and ethnic origin according to whether they had the B16 Arg/Arg or B16 Gly/Gly genotype. Individuals in a matched pair were assigned to receive inhaled long-acting beta-2 agonist (salmeterol) or a placebo for two 18-week periods. An inhaled corticosteroid was given to all participants during the treatment periods. Doctors monitored morning peak expiratory flow (PEF) for each study participant.

The team found that PEF did not differ between treatment groups. However, airway constriction in response to methacholine administration also was assessed, which is a common method for testing for an asthmatic response. The test revealed that B16 Arg/Arg genotype patients did not benefit from the addition of salmeterol in response to the methacholine challenge.

Another interesting finding was that the lung function of African-Americans with the B16 Arg/Arg genotype did not improve with the long-acting beta-2-agonist the way African-American B16 Gly/Gly patients did. This may modify the risk-benefit ratio of long-acting beta agonists in this population. Twenty percent of African-Americans have the B16 Arg/Arg genotype.

"These findings provide reassurance that in the general population, patients should continue to be treated with long-acting beta-2 agonists plus moderate-dose inhaled corticosteroids irrespective of B16 genotype," the authors wrote.

High-precision radiation therapy improves cervical cancer outcomes

By GWEN ERICSON

School of Medicine researchers have shown that highly targeted radiation therapy improves survival and lessens treatment-related complications in cervical cancer patients.

The technique, called intensity-modulated radiation therapy (IMRT), is widely accepted for treating many cancers of the pelvic region, head and neck, and central nervous system, but the use of IMRT for cervical cancer is not as common. This is the first large study to show its effectiveness as a primary therapy for cervical cancer.

"Previous studies of IMRT for cervical cancer have been small with limited follow-up, and some used IMRT as a postoperative treatment instead of as primary therapy, but this evidence did suggest that IMRT could be an effective treatment choice," said lead author Elizabeth Kidd, M.D., a Barnes-Jewish Hospital resident in the Department of Radiation Oncology.

Kidd and her colleagues, including researchers with the Siteman Cancer Center, report their findings in an upcoming issue of the *International Journal*

of Radiation Oncology, Biology, Physics.

In the United States, cervical cancer is the third-leading cause of cancer death among women aged 15-34 and the fifth-leading cause of cancer death among women aged 35-54.

IMRT is an advanced mode of radiotherapy that allows the radiation dose to

conform more precisely to the three-dimensional shape of the tumor. IMRT minimizes the dose to surrounding normal tissues and organs.

The study included 452

patients with newly diagnosed cervical cancer who were treated with external-beam radiation therapy. More than 80 percent of the patients received concurrent cisplatin, a chemotherapy drug commonly used for cervical cancer. The patients also received brachytherapy, in which a radioactive source is placed close to the cervical tumor.

From 1997-2005, 317 patients were treated with traditional

whole-pelvic external-beam radiation.

After March 2005, the department changed its treatment policies so that all cervical cancer patients received radiation using IMRT, and 135 patients were treated until the study ended in September 2008.

"Our IMRT protocol was designed to replicate the traditional approach in the amount of radiation going to the tumor and pelvic lymph nodes, which is the first area where the cancer spreads," Kidd said. "In the IMRT group, we expected to see a reduction of radiation-induced side effects in adjacent normal tissues, but we expected that both approaches would result in equivalent control of the cancer. We did see fewer treatment-related complications in the IMRT group, but we were surprised that the IMRT group also had better overall survival."

At the time of most recent follow-up, 67 percent of IMRT patients were alive with no evidence of disease compared with 49 percent of non-IMRT patients. Within the same time period, less than 4 percent of IMRT patients had died of cervical cancer, while 37 percent of non-IMRT patients had died of cervical cancer.



Kidd

Alzheimer's research into amyloids sheds light on potential treatments for urinary tract infections

By MICHAEL C. PURDY

Research into Alzheimer's disease seems an unlikely approach to yield a better way to fight urinary tract infections (UTIs), but that's what scientists at the School of Medicine and elsewhere recently reported.

Linking the disparate areas of research are amyloids, which are fibrous, sticky protein aggregates. Some infectious bacteria use amyloids to attach to host cells and to build biofilms, which are bacterial communities bound together in a film that helps resist antibiotics and immune attacks. Amyloids also form in the nervous system in Alzheimer's disease, Parkinson's disease and other neurodegenerative disorders.

To probe amyloids' contributions to neurodegenerative diseases, scientists altered potential UTI-fighting compounds selected for their ability to block bacteria's

ability to make amyloids and form biofilms. But when they brought the compounds back to UTI research after the neurology studies, they found the changes also had unexpectedly made them more effective UTI treatments.

"Thanks to this research, we have evidence for the first time that we may be able to use a single compound to impair both the bacteria's ability to start infections and their ability to defend themselves in biofilms," said senior author Scott J. Hultgren, Ph.D., the Helen L. Stoeber Professor of Molecular Microbiology.

The findings were reported online in *Nature Chemical Biology*.



Hultgren

The National Institutes of Health has estimated that more than 80 percent of microbial infections are caused by bacteria growing in a biofilm. Scientists in Hultgren's laboratory have worked for decades to understand the links between biofilms and UTIs.

"UTIs occur mainly in women and cause around \$1.6 billion in medical expenses annually in the United States," said co-lead author Jerome S. Pinkner, research lab manager in Hultgren's lab. "We think it's likely that women troubled by recurrent bouts of UTIs are actually being plagued by a single persistent infection that hides in biofilms to elude treatment."

Co-lead author Matthew R. Chapman, Ph.D., now associate professor of molecular, cellular and developmental biology at the University of Michigan, was a postdoctoral fellow in Hultgren's lab in 2002 when he discovered that the same bacterium that causes most UTIs, *Escherichia coli*, deliberately makes amyloids. The amyloids go into fibers called curli that are extruded by the bacteria to strengthen the structures of biofilms.

To treat UTIs, Hultgren's lab has been working with Fredrik Almqvist, Ph.D., professor of chemistry at the University of Umea in Sweden, to develop compounds that block bacteria's ability to make curli, disrupting their ability to make biofilms and leaving them more vulnerable to antibiotics or immune system attacks. Almqvist recently suggested altering a group of the most promising curli-blockers to see if they could also block the processes that form amyloids in Alzheimer's disease.

The alterations worked. In laboratory tests, the new compounds prevented the protein fragment known as amyloid beta from aggregating into amyloid plaques like those found in the brain in Alzheimer's disease. In a mouse model of UTIs, researchers found that the altered compounds were better at reducing the virulence of infections.



New moves School of Medicine students learn belly dancing from instructor Penny Moskus as part of a week's worth of events last month emphasizing the four parts of a healthier life: diet, physical activity, tobacco cessation and responsible alcohol consumption. The American Medical Association chose "Healthier Life Steps" as its theme on which to focus its community service and chapter activities for two years. During the week of Nov. 16, activities at the medical school included a talk on activity-friendly communities; a mocktails night; a fitness night, in which students learned belly dancing, Zumba and Pilates; a smoke-free bar night; and hiking in Castlewold State Park.

University Events

WUSTL women printmakers exhibit at the School of Law

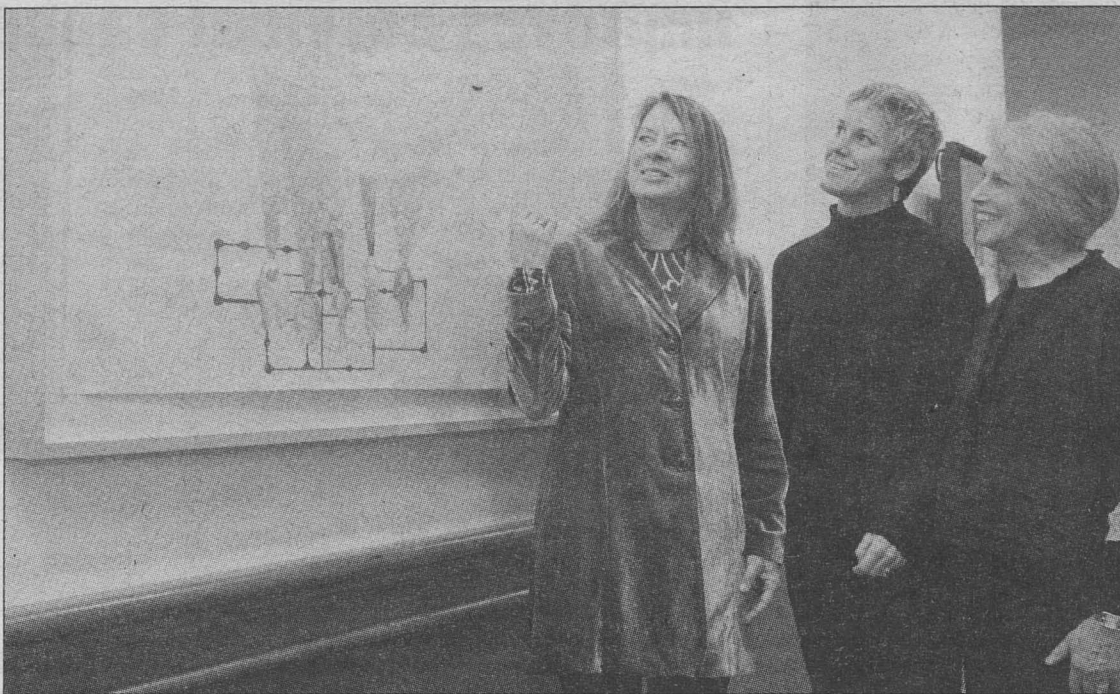
BY LIAM OTTEN

Washington University is a big place, both metaphorically and physically. Last week, eight women printmakers, all faculty or alumni from the Sam Fox School of Design & Visual Arts, sought to bridge some of that distance by installing a series of artworks in the School of Law's Anheuser-Busch Hall.

"This is really a wonderful collaboration," said curator Bunny Burson, a printmaking alumnus and member of the Sam Fox School's National Council, whose husband, Charles Burson, J.D., is a senior professor of practice at the law school. "It's a great way to let one end of campus know what the other end is doing."

Burson said that most of the works on view explore legal and/or political themes. For example, Maryanne Ellison Simmons, a 1992 MFA alumnus and a former city council member in Wildwood, Mo., contributed the print suite "American Landscapes/Documentation Series: The Campaign," which reproduces a series of partisan pamphlets created during Wildwood's 2002 election.

Joan Hall, the Kenneth E. Hudson Professor of Art — and an experienced sailboat racer



Artists (from left) Joan Hall, Lisa Bulawsky and Bunny Burson admire Bulawsky's work "The Lords of In-Between" at the opening of the School of Law's art exhibit Dec. 2 in Anheuser-Busch Hall.

— contributes "Crustacean Ball," a mixed-media work on handmade paper that reflects on the use and abuse of the world's oceans. Lisa Bulawsky, associate professor of art, contributes the satiric "The Lords of In-Between."

Burson herself contributes a

trio of darkly elegant monotypes, titled "Stains 2, 3 and 4." From a distance, these appear to be simple black-and-white abstracts. Yet, as one draws closer, delicate lace patterns inspired by the graceful white ascots worn by former Supreme Court justice Sandra Day

O'Connor are detected.

Also featured are prints by alumni Yvette Drury Dubinsky (MFA '90), Kelda Martensen (MFA '02) and Gina T. Alvarez (MFA '02).

The latter's contribution, a large woodcut-and-collage titled

"Minor Node," was printed by Amanda Verbeck, herself a 2001 alumnus and now master printer at St. Louis' Pele Prints.

"I wanted to select women representing a range of careers," Bunny Burson said. "Joan has taught at Washington University for three decades and is internationally known. Lisa, Maryanne and Yvette are well-established printmakers, while Kelda, Gina and Amanda all are recent graduates."

"All of them are making terrific work," Burson said. "It's a pleasure and an honor to highlight what they're doing."

The installation, which is located in the W.L. Hadley Griffin Student Commons, was made possible with the support and encouragement of Kent Syverud, J.D., dean of the School of Law and the Ethan A. H. Shepley University Professor; Ruth Chi-Fen Chen, Ph.D., professor of practice in the School of Engineering & Applied Science; and Carmon Colangelo, dean of the Sam Fox School and the E. Desmond Lee Professor for Collaboration in the Arts.

All works will remain on view through the end of the spring semester. For more information, call 935-7567.

Navigating Conflict • Circus INcognitus • Gene Function

"University Events" lists a portion of the activities taking place Dec. 10-Jan. 27 at Washington University. Visit the Web for expanded calendars for the Danforth Campus (news-info.wustl.edu/calendars) and the School of Medicine (medschool.wustl.edu/calendars.html).

Exhibits

"Chance Aesthetics." Through Jan. 4. Kemper Art Museum. 935-4523.

"Metabolic City." Through Jan. 4. Kemper Art Museum. 935-4523.

"Mother and Daughter: The Art of Leona Kremen and Paula Smith." Through Jan. 22. Farrell Learning & Teaching Center, Hearth Gallery. 747-3284.

School of Medicine Annual Art Show. Jan. 14-Feb. 11. Farrell Learning and Teaching Center atrium. 747-3284.

Lectures

Thursday, Dec. 10

Noon. Genetics Seminar. "Altering Neuronal/Glial Metabolism to Prevent Axonal Degeneration." Jeffrey Milbrandt, prof. of pathology and immunology. McDonnell Medical Sciences Bldg., Rm. 823. 362-2139.

4 p.m. Office of Technology Management Technology Commercialization Seminar Series. "Navigating Conflict of Interest and Achieving Satisfactory Results." William Stenson, prof. of medicine, and Eric Leuthardt, asst. prof. of neurological surgery. Moore Aud. 747-0908.

4 p.m. Vision Science Seminar Series. "The Role of Macrophage ATP Binding Cassette Transporter A1 (ABCA1) in Inflammation." John S. Parks, prof. of lipid sciences, Wake

Forest U. School of Medicine. Maternity Bldg., Rm. 725. 362-3315.

Friday, Dec. 11

9:15 a.m. Pediatric Grand Rounds. "Deciphering Human Disease Gene Function With Frogs." Mustafa Khokha, asst. prof. of pediatrics and genetics, Yale School of Medicine. Clifton Aud., 4950 Children's Place. 454-6006.

Noon. Cell Biology & Physiology Lecture.

"Role of Autophagy Genes in Innate Immunity, Inflammation and Disease Susceptibility." Herbert W. "Skip" Virgin, prof. of pathology and immunology. McDonnell Medical Sciences Bldg., Rm. 426. 362-6950.

Monday, Dec. 14

Noon. Institute for Clinical and Translational Sciences Seminar Series. "The Translational Continuum Seminar Series: Tyrosine Kinases in Cancer Treatment and Drug Development." Michael Tomasson, assoc. prof. of medicine; Neil Gibson, oncology therapeutic head, Pfizer Research and Development; Charles Blanke, head of medical oncology, U. of British Columbia. (Lunch provided.) Clifton Aud., 4950 Children's Place. R.S.V.P. required: 362-9829.

4 p.m. Immunology Research Seminar Series. Mike Diamond, prof. of medicine. Farrell Learning & Teaching Center, Connor Aud. 362-2763.

4 p.m. Siteman Cancer Center Breast Cancer Research Group Seminar Series. "PIIBNP, a Protein Fragment From Cartilage, is Anti-Tumor and Anti-Angiogenic." Linda J. Sandell, research prof. of orthopaedic surgery. Farrell Learning & Teaching Center, Holden Aud. 454-8981.

Thursday, Dec. 17

3 p.m. Siteman Cancer Center Basic Science Seminar Series. Michel C. Nussenzweig, head, laboratory of molecular immunology, Rockefeller U. Eric P. Newman Education Center, Seminar B. 454-7029.

How to submit 'University Events'

Submit "University Events" items to Angela Hall of the Record staff via:

e-mail — recordcalendar@wustl.edu

campus mail — Campus Box 1070

fax — 935-4259

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

4 p.m. Vision Science Seminar Series. "Building a Lens: Chaperone Proteins Modulate the Proteome and Clinical Phenotype." Usha P. Andley, prof. of ophthalmology. Maternity Bldg., Rm. 725. 362-3315.

Friday, Dec. 18

9:15 a.m. Pediatric Grand Rounds. "Defining the Cell of Origin and the Role of Cancer Stem Cells in Pediatric Bone Sarcomas." Alejandro Sweet-Cordero, asst. prof. of pediatrics, Stanford U. Clifton Aud., 4950 Children's Place. 454-6006.

Noon. Cell Biology & Physiology Lecture. "DNA Damage Responses in Developing Lymphocytes." Barry P. Sleckman, prof. of pathology and immunology. McDonnell Medical Sciences Bldg., Rm. 426. 362-6950.

Thursday, Jan. 7

4 p.m. Vision Science Seminar Series. "It May Appear Clear ... Multiple Surprises From the Lens." David C. Beebe, prof. of ophthalmology and visual sciences. Maternity Bldg., Rm. 725. 362-3315.

Thursday, Jan. 14

8:45 a.m.-4:30 p.m. iTeach Symposium. Co-sponsored by Arts & Sciences, The Teaching Center and University Libraries. Seigle Hall. Registration required: iteach.wustl.edu.

4 p.m. Office of Technology Management Technology Commercialization Seminar Series. "Licensing: The Inventor, the OTM and the Deal." Jack Ladenson, prof. of clinical chemistry in pathology and immunology, and Duke Leahey, Donald Danforth Plant Science Center. Farrell Learning & Teaching Center, Connor Aud. 747-0908.

4 p.m. Vision Science Seminar Series. "Genetic Dissection of Visual Circuit

Structure, Function and Assembly." Andrew D. Huberman, postdoctoral fellow in neurobiology, Stanford U. School of Medicine. Maternity Bldg., Rm. 725. 362-3315.

Monday, Jan. 18

4 p.m. School of Medicine Martin Luther King Celebration Lecture. Johnnetta Cole, dir., Smithsonian National Museum of African Art. Eric P. Newman Education Center. 362-6854.

Thursday, Jan. 21

3 p.m. Siteman Cancer Center Basic Science Seminar Series. Fanxin Long, asst. prof. of medicine. Eric P. Newman Education Center, Seminar B. 454-7029.

4 p.m. Vision Science Seminar Series. "Mitochondrial Dynamics and Neurodegeneration." Robert H. Baloh, asst. prof. of neurology. Maternity Bldg., Rm. 725. 362-3315.

Thursday, Jan. 28

4 p.m. Vision Science Seminar Series. "Protein Misfolding in TGFBI-Related Corneal Dystrophies." Andrew J.W. Huang, prof. of ophthalmology. Maternity Bldg., Rm. 725. 362-3315.

Music

Friday, Dec. 11

8 p.m. Opera Scenes. (Also 8 p.m. Dec. 12.) Umrah Hall Lounge. 935-5566.

Sports

Saturday, Dec. 12

7:30 p.m. Men's Basketball vs. Augustana College. Athletic Complex. 935-4705.

Friday, Dec. 18

7 p.m. Women's Basketball vs. North Park U. Athletic Complex. 935-4705.

Saturday, Dec. 19

5 p.m. Women's Basketball vs. Hanover College. Athletic Complex. 935-4705.

Tuesday, Dec. 29

7 p.m. Women's Basketball vs. Ripon College. Athletic Complex. 935-4705.

Monday, Jan. 4

6 p.m. Women's Basketball vs. Webster U. Athletic Complex. 935-4705.

8 p.m. Men's Basketball vs. Webster U. Athletic Complex. 935-4705.

Saturday, Jan. 9

1 p.m. Women's Basketball vs. U. of Chicago. Athletic Complex. 935-4705.

3 p.m. Men's Basketball vs. U. of Chicago. Athletic Complex. 935-4705.

Friday, Jan. 15

6 p.m. Swimming and Diving. WU Invitational. (Continues 11 a.m. Jan. 16.) Athletic Complex. 935-4705.

6 p.m. Women's Basketball vs. Brandeis U. Athletic Complex. 935-4705.

8 p.m. Men's Basketball vs. Brandeis U. Athletic Complex. 935-4705.

Sunday, Jan. 17

Noon. Men's Basketball vs. New York U. Athletic Complex. 935-4705.

2 p.m. Women's Basketball vs. New York U. Athletic Complex. 935-4705.

On Stage

Saturday, Jan. 16

11 a.m. ovations for young people series. "Circus INcognitus." Cost: \$10. Edison Theatre. 935-6543.

Saturday, Jan. 23

11 a.m. ovations for young people series. "ScrapArtsMusic." Cost: \$10. Edison Theatre. 935-6543.

8 p.m. OVATIONS Series. "ScrapArtsMusic." Cost: \$32, \$28 for seniors, faculty & staff, \$20 for students & children. Edison Theatre. 935-6543.

And More

Sunday, Dec. 13

2 p.m. Kemper Art Museum Permanent Exhibition Tours. Kemper Art Museum. 935-4523.

Libraries announce intersession hours

Nine Washington University Libraries will be closed from Dec. 25-Jan. 3, 2010, and will operate on a shortened schedule during the intersession (Dec. 18-Jan. 18).

Students, faculty and staff will continue to have full access to the libraries' online resources throughout the intersession.

The following libraries will be closed Dec. 25-Jan. 3:

John M. Olin Library, Art & Architecture Library, Business Library, Chemistry Library, Earth & Planetary Sciences Library, East Asian Library, Music Library, Physics Library and West Campus Library.

For more information and to find each library's schedule during the winter break, visit library.wustl.edu/hoursmaps.html and click on "Hours."

Mozart's, Rossini's versions of Figaro presented by WUSTL Opera

By LIAM OTTEN

Pierre-Augustin Caron de Beaumarchais was one of the great self-made men of 18th-century Europe.

Trained as a watchmaker, he rose through the ranks of French nobility to become a successful inventor, businessman, publisher and diplomat, even supplying weapons and provisions to American revolutionaries.

Yet Beaumarchais probably is best remembered for his semi-autobiographical Figaro plays, two of which — “The Marriage of Figaro” and “The Barber of Seville” — would form the basis for celebrated operas by Wolfgang Amadeus Mozart and Gioacchino Rossini, respectively.

At 8 p.m. Friday and Saturday, Dec. 11 and 12, in Umrath Hall, the Washington University Opera will present a condensed version of Beaumarchais' stories through a series of excerpts from both operas.

Performances — sponsored by the Department of Music in Arts & Sciences — are free and open to the public.

Though Beaumarchais' “The Marriage of Figaro” initially was banned in Vienna due to its satiric depiction of the aristocracy, Mozart's adaptation, written in 1784, was among the composer's most successful works and today forms a cornerstone of the operatic repertoire. The plot centers on a battle of wits between Figaro, a clever valet, and his bullying master, Count Almaviva, who has designs on Figaro's betrothed, Susanna.

“Mozart and his librettist, Lorenzo da Ponte, created what for many is the greatest opera ever written,” said Jolly Stewart, director of the Washington University Opera. “The wit, intrigue, political statements and marvelous character delineation is unsurpassed in all of music.”

Rossini adapted “The Barber of Seville” in 1816, some three decades after Mozart's opera, though the story is set several years before. It finds Figaro aiding a younger and more romantic Almaviva as he attempts to win

the heart of the beautiful Rosina. Yet, Rosina is kept locked away by her guardian, Doctor Bartolo, who intends to marry her himself.

“Rossini added to the Figaro story by going backwards for us to hear and see how Figaro arrived at the point we see him in the Mozart,” Stewart said. “It is logical, therefore, to bring the two operas together for an audience to hear how each of these composers delights us with his own particular rendering of Figaro's story.”

John Stewart, director of vocal activities in the Department of Music, will conduct the performance, which will feature 14 undergraduate and graduate singers.

Beaumarchais, like his fictional hero, was born into humble circumstances but found a measure of fame in 1753 after inventing a revolutionary clockwork mechanism. Though the royal watchmaker attempted to claim credit for the design, Beaumarchais prevailed in a series of lawsuits and eventually was awarded a patent by the French Academy of Sciences.

He then received several royal commissions and later was appointed music teacher to the daughters of King Louis XVI. His subsequent career would include a number of political and financial intrigues from which he ultimately emerged a very wealthy man.

Beaumarchais' early plays were performed privately at the salon of his friend Charles Lenormand d'Etoiles (whose wife, Madame de Pompadour, was a mistress to the king).

The characters of Figaro and Almaviva were most likely conceived in 1764-65, during Beaumarchais' travels to Spain. “The Barber of Seville,” initially intended as a comic opera, was written in 1773 and received its public premiere two years later. “The Marriage of Figaro” was written in 1778 but relegated to private readings until 1783, when the king finally granted permission for a stage production.

For more information, call 935-5566 or e-mail kschultz@wustl.edu.

Grants available to support Brookings, WUSTL collaborations

The Brookings Institution and Washington University's Academic Venture Capital Fund (AVCF) is seeking proposals from fellows, faculty, staff, centers, institutes and programs at both institutions.

The purpose of the AVCF is to support collaboration between the people and programs at both Washington University and the Brookings Institution, particularly long-term projects that impact research, education and policy.

Grants are available in amounts from \$20,000-\$50,000. Proposals submitted by Jan. 1, 2010, will be reviewed for approval in January. Proposals submitted by June 1, 2010, will be reviewed in July.

The AVCF also offers smaller grants for events or travel by Brookings and University personnel. These proposals can be submitted at any time and will be reviewed on a rolling basis. A committee from Brookings and the University will review the proposals.

Examples of projects that have received or are eligible for AVCF funding include:

- Hosting a Brookings fellow or University faculty member as a scholar-in-residence at a school, center or program at the other institution
- Hosting an undergraduate

or graduate student from any school at the University at a Brookings center or program

- Joint research by Brookings and University personnel
- Jointly sponsored conferences, symposia, workshops or projects.

The AVCF program is under the direction of School of Law Dean Kent D. Syverud, J.D., the Ethan A.H. Shepley University Professor and associate vice chancellor for Washington, D.C., programs.

The academic partnership between the University and Brookings began earlier this year. The institutions now offer joint programs, including internships, lectures and other educational activities.

The Olin Business School also leads management of the Brookings Center for Executive Education.

This semester, Melissa Waters, J.D., professor of law, is serving as a visiting Brookings fellow.

To date, more than five students from around the University have interned at Brookings, working on various public policy projects.

For more information about the AVCF grants, call Tomea Mersmann at 935-6486 or e-mail her at mermann@wustl.edu.



Winter wonderland Despite the un-winter-like temperatures in early December, Mudd Field turned into a winter playground Dec. 1. Students skated on a temporary “ice” surface, a 30-by-40-foot plastic sheet designed to accommodate real skates. More than 125 students took a break from late-semester studies and took advantage of the activity. “I heard many students comment that the last week of the semester is the most stressful, and this was a good way to have fun in spite of that — if only for a few minutes,” said Leslie Heusted, director of the Danforth University Center. In addition to the skating and free hot chocolate, other activities available for the students included an opportunity to design their own coffee mug and make holiday ornaments.

Sports

Second-place finish for women's soccer

A storybook women's soccer season ended with a 1-0 loss to top-ranked Messiah College in the NCAA Division III championship game Dec. 5.

The Bears ran into a juggernaut in Messiah College. The Falcons, who were making their sixth straight trip to the Final Four, outshot WUSTL 16-6 and had a 2-0 advantage in corner kicks. Messiah allowed just seven goals in its entire 2009 season and holds a 56-match unbeaten streak.

The Bears reached the final because of a thrilling win over No. 21 Lynchburg College Dec. 4. In that game, senior Carter Schwarberg drilled home the game-winning penalty kick as the Bears advanced with a 4-3 shoot-out win over Lynchburg.

“This was for my team, and I wanted to help them advance to the next round,” Schwarberg said after the game. “It was just another penalty kick for me, so I just had to calm myself down to put it where I wanted.”

Senior Libby Held and sophomores Emma Brown and Lee Ann Felder were named to the NCAA championship all-tournament team.

Head coach Jim Conlon was pleased with his team's effort.

“The seniors set the tone for the entire season and came in very focused,” Conlon said. “We put together a plan for this season, and the student-athletes followed through with it.”

The Bears ended with a 17-4-3 overall record and had the highest finish in school history. The team

graduates eight seniors: Emily Bylsma, Paula Davis, Elyse Hanly, Held, Becca Heymann, Sam Murphy, Caryn Rosoff and Carter Schwarberg.

In four seasons, this group guided the Bears to a 66-15-5 (.797) overall record with four NCAA tournament appearances and four University Athletic Association conference championships.

Men's basketball wins Lopata Classic

The No. 1 men's basketball team won the 26th Annual Lopata Classic tournament Dec. 4 and 5 at the WU Field House.

The Bears defeated NAIA No. 5 McKendree University, 82-67, in the tournament semifinal Dec. 4 and topped Pomona-Pitzer Colleges, 77-50, in the tournament final Dec. 5.

Graduate student Sean Wallis was named the Lopata Classic Most Valuable Player for the first time in his career. He averaged 17.5 points and 6.5 assists per game in the Bears' two wins.

Joining Wallis on the all-tournament team were seniors Cameron Smith and Aaron Thompson. Smith scored 14 points and was 4-of-4 from behind the arc in the win over Pomona-Pitzer.

Thompson's best game of the weekend was a 21-point performance against McKendree; he scored eight points with seven assists and four rebounds against Pomona-Pitzer.

WUSTL (5-0) returns to action at 7 p.m. Saturday, Dec. 12, when it hosts Augustana College at the WU Field House.

Women's basketball defeats Elmhurst

Five different players scored in double-figures to lead a balanced offensive attack as the No. 5 women's basketball team defeated Elmhurst College, 77-60, Dec. 5 in Elmhurst, Ill.

Senior Janice Evans scored seven points to spark a 9-2 run to give the Bears early command of the game, and WUSTL went into the half with a 36-29 advantage.

A 16-6 Bears' run to start the second half resulted in a 17-point lead, and WUSTL would lead by as many as 27 points late in the second half.

Junior Kathryn Berger led WUSTL offensively with 15 points, and junior Kelsey Robb tied her career high with 14 points. Junior Alex Hoover, senior Zoe Unruh and Evans all finished with 11 points, and the Bears shot 40 percent from the field in the win, sinking eight 3-point baskets.

WUSTL (5-1) returns to action at 7 p.m. Dec. 18, when it hosts North Park University at the WU Field House.

Swimming competes at Wheaton

The men's swimming team placed third out of seven schools and the women's swimming team was fourth out of six at the Wheaton Invitational Dec. 4 and 5.

Senior Alex Beyer had the best performance of the meet for the WUSTL men, tallying three NCAA Division III championship automatic qualifying times in addition to a pair of provisional cuts.

His automatic times came in the 500-yard freestyle (4:27.07), the 200-yard freestyle (1:38.72) and the 400-yard individual medley (3:58.43), while his NCAA “B”-cut swims came in the 200-yard breaststroke (2:05.68) and the 100-yard freestyle (46.24).

Senior Jessie Lodewyk tallied three NCAA provisional swims for the WUSTL women. She won the 200-yard freestyle (1:55.33) and was the runner-up in the 500-yard freestyle (5:01.59) and the 1,650-yard freestyle (17:22.90).

Both teams will be back in action for a dual meet with Lindenwood University Jan. 8 at Millstone Pool.



The women's soccer team celebrates with the runner-up trophy.

Promotions

— from Page 1

"I have asked Priscilla, Gerhild and Jim to continue all that they do now and take on new University-wide duties," Macias said. "That is a tall order, but I know they will succeed."

Williams, after earning a doctorate in comparative literature specializing in medieval studies from the University of Washington in Seattle, joined the WUSTL faculty in 1975 as an assistant professor of German and of comparative literature.

She served as acting chair of the German department from 1986-87, as chair from 1988-1992, and again from 2003-06.

In 1989, she was named associate provost. She held this appointment until 1995, at which point she was named associate vice chancellor for academic affairs. She continues to do research and teach in the areas of early modern and translation studies in German and comparative literature.

During her career, Williams has served on a number of University committees, including the 2008 Advisory Committee on the Appointment of the Dean of the Faculty of Arts & Sciences. She is a member of the Provost Advisory Committee on Diversity.

Wertsch has led the McDonnell International Scholars Academy in its first four years at the University. The academy has become WUSTL's most successful international program. It enrolls exceptional graduate and professional students from partner universities throughout the world across all graduate disciplines and



Williams



Wertsch



Stone

professional schools at the University.

Wertsch is an expert on collective memory and identity. He has particular interest in how these issues play out in Russia, the Republic of Georgia and Estonia. He is working on several projects in the Republic of Georgia, including collaboration with colleagues on efforts to understand the emergence of civil society and democracy in this region.

He is particularly interested in how schools and other institutions are harnessed to create and maintain official collective memory.

In addition to his work with the scholars academy and international and area studies, Wertsch holds appointments in anthropology, education, psychology and philosophy-neuroscience-psychology, all in Arts & Sciences.

Wertsch joined the faculty of Arts & Sciences in 1995 as professor of education and chair of the department.

Since joining the faculty, Wertsch has played a major role in developing several areas of research and teaching in Arts & Sciences, including the International & Area Studies Program, of which he serves as director. He is a guest professor at Fudan University in Shanghai, Tsinghua University in Beijing and the University of Oslo and also is a Fellow in the American Academy

of Arts and Sciences.

Stone earned a doctoral degree in anthropology from the University of Arizona in 1988. She

started at WUSTL in 1995 as a visiting professor of anthropology.

Stone is an economic and ecological anthropologist whose primary focus is African agrarian systems. She has published most recently on drought and poverty dynamics in South Wollo, Ethiopia.

Stone serves on several national boards governing study abroad, including the Council of the Forum on Education Abroad and the Academic Consortium Board of the Council on International Education and Exchange. She also serves as a member of the selection jury for the Senator Paul Simon Award for Campus Internationalization, sponsored by NAFSA, the Association of International Educators.

She directs the undergraduate major in international and area studies, of which there are more than 200 students. It is an interdisciplinary program that allows students to develop a broad understanding of the world and explore the diversity and richness of other cultures.

She also manages overseas programs for Arts & Sciences, helping more than 500 WUSTL students study in more than 50 countries annually. Her office is responsible for international grants, including the Fulbright, the German Academic Exchange Service and the Fulbright-Hays programs.

Trustees elect new member

At its winter meeting Dec. 4, the Board of Trustees elected Andrea J. Grant, J.D., a prominent Washington, D.C., attorney, to the Board, according to Chancellor Mark S. Wrighton.

Grant is a partner with DLA Piper in the District of Columbia. She earned two degrees from the University — a bachelor's degree in 1971 and a juris doctorate in 1974. She has been an active supporter of the University.

In his report to the Board of Trustees, Wrighton said that undergraduate admissions for fall 2010 are proceeding ahead of the record-setting pace set by the class entering in August 2009. He noted that the overall application numbers would not be known until January 2010. He also said that many volunteers have hosted events for prospective students and their families across the nation, making particular note of an event in October hosted by Trustee Louis Hutt and his wife Nellie for the Baltimore/Washington, D.C., region under the auspices of the Black Alumni Council.

On construction updates, Wrighton reported that work on Stephen F. and Camilla T. Brauer Hall for the School of Engineering & Applied Science proceeds ahead of schedule with a move-in completion date expected to be approximately April 5, 2010. He said that the LEED design for the structure is intended to achieve Gold certification for its environmental and energy innovations.

He also reported that construction continues on the South 40 for a new residential house, dining facility and the infrastructure to support it.

On the Medical Campus, the largest building constructed in University history — the BJC Institute of Health at Washington University — is on target for a construction completion of Dec. 11 for the top floors with external work on the plaza, and other floors are intended for completion between March and June 2010. This project also is on track as a LEED Gold-certified project.

Wrighton made special note of the fact that Washington University took a lead role in the decoding of the genome for corn, an accomplishment that will speed efforts to develop better crop varieties in meeting the world's demands for food, feed and fuel.

He also pointed out that the University, as of Sept. 30, had been awarded more than \$80 million in funding from the 2009 American Recovery and Reinvestment Act to support research across a broad range of projects, including cancer, renewable energy, Alzheimer's disease, climate change and diabetes. As of that date, University faculty had received 207 awards with the largest single award of \$10 million to the Genome Center to map mutations for 20 different types of cancer.

Wrighton announced three appointments:

- Gerhild S. Williams, Ph.D., the Barbara Schaps Thomas and David M. Thomas Professor in the Humanities, associate vice chancellor, special assistant to the chancellor for academic affairs and professor of German, of comparative literature, and of women, gender and sexuality studies, all in Arts & Sciences, has been named vice provost.

- James V. Wertsch, Ph.D., the Marshall S. Snow Professor in Arts & Sciences, director of the McDonnell International Scholars Academy and director of the International & Area Studies Program in Arts & Sciences, has been named associate vice chancellor for international affairs.

- Priscilla Stone, Ph.D., director of overseas and undergraduate programs in the International & Area Studies Program and adjunct associate professor of anthropology in Arts & Sciences, has been named assistant provost for international education.

Wrighton closed his remarks by recognizing the extraordinary accomplishments of the women's volleyball team, which captured its 10th national NCAA Division III championship Nov. 21. He also noted that the women's soccer team appearance in the NCAA Division III final four held Dec. 4 and 5 in San Antonio, in which the women finished second. This was the team's second appearance in the final four.

He also said that DIII News named both the men's and women's basketball teams the No. 1 programs for the first decade of the new millennium, with head coaches Mark Edwards and Nancy Fahey being recognized as the best coaches of the decade.

In other actions, the Board received reports on University planning as well as reports from the following standing committees: development, educational policy, University finance, medical finance, audit and the alumni board of governors.

Andrea J. Grant

In her work at DLA Piper, Grant has represented a wide range of marketers and refiners of petroleum products, practicing before a variety of federal agencies, including the Departments of Energy, Transportation, Treasury and Commerce and the Environmental Protection Agency.

She concentrates on import and export petroleum transactions, including regulations of the U.S. Customs Service, Commerce and restrictions imposed by the Office of Foreign Assets Control.

In addition, she has worked for many years in the legislative area before those committees of the U.S. Congress with jurisdiction over energy, environment, transportation, international trade and taxes.

Before entering private practice, she served as attorney to the Oil Import Appeals Board, which helped establish and implement the petroleum import policy of the nation in the early 1970s. She is a member of the American Bar Association.



ITeach is a biennial event that allows faculty members to share insights on teaching and learn about new methods and technology.

ITeach

— from Page 1

executive vice chancellor and the Barbara and David Thomas Distinguished Professor in Arts & Sciences. "Participating in ITeach is a good way to learn from colleagues and become even more effective in the classroom."

In addition to providing faculty across the University an opportunity to discuss teaching and student learning with those in other departments and schools, ITeach also provides a venue for faculty to learn about resources the University offers to support teaching, such as those available at Arts & Sciences Computing, The Teaching Center and University Libraries.

ITeach 2010 will feature 16 sessions about topics ranging from leading class discussions to understanding students' uses of social networking sites such as Facebook and Twitter.

Other sessions include "Home-work in Class and Lecture at Home? Experiences with Active Learning in Engineering" and "Using Tablet PCs to Help Students Become Better Collaborators,

Critical Thinkers, and Communicators."

"ITeach 2010 will highlight a wide variety of innovative teaching approaches developed by faculty from across the disciplines," said Beth Fisher, Ph.D., associate director of academic services at The Teaching Center. "Many of the sessions reflect faculty interest in improving courses by incorporating current scholarship on how specific teaching strategies can enhance student learning."

ITeach 2010 also features a plenary panel discussion, "Improving Teaching by Applying Research on Learning," led by Miller; Mark McDaniel, Ph.D., professor of psychology in Arts & Sciences; and Regina Frey, Ph.D., director of The Teaching Center and senior lecturer in chemistry in Arts & Sciences.

As part of the Educational Research Group, Miller, McDaniel and Frey meet weekly with other faculty, researchers, education specialists and postdoctoral students. The group discusses teaching and learning projects, teaching strategies, curricular and instructional changes and initiatives, and research in cognitive and learning

sciences.

In the plenary session, Miller, McDaniel and Frey will talk about how their research and teaching approaches have evolved as a result of these weekly discussions. They also will discuss collaborative projects developed by members of the group in an effort to improve teaching and learning at WUSTL.

"Traditional teaching follows the notion that we can craft the perfect lecture with all the important information, but evidence shows that method of teaching might not be the most effective in all situations or best prepare students for the future," Miller said.

"By using what we know about how people learn, faculty have the opportunity to restructure time in the classroom to be more productive and useful for our students," Miller said.

The plenary session also will feature an introduction by Gary S. Wihl, Ph.D., dean of the faculty of Arts & Sciences and the Hortense & Tobias Lewin Distinguished Professor in the Humanities.

For more information about ITeach 2010 or to register, visit iteach.wustl.edu or call Mary Stewart at 935-6810.

Whittemore

Initiation fee has been eliminated

— from Page 1

- Around the World Wine Dinners. On the first Friday of each month beginning in February, members can attend a five-course dinner that features wines from across the globe.

- Wednesdays at Whittemore. On Wednesdays starting in February, Whittemore will offer a family-style, home-cooked "comfort food" dinner at a reasonable price from 5-7 p.m.

There also is a lunch buffet

available on Tuesdays and Thursdays at Whittemore House in addition to the regular lunch menu.

Whittemore House and Harbison House, the Chancellor's residence next door to Whittemore, both were built in 1912 by St. Louis businessman Henry Haastick for his daughters. Each cost \$47,049 to construct.

Emma Whittemore donated Whittemore House to Washington University in 1966. It was remodeled in 1967 and opened as a faculty conference center in Dec. 5, 1969.

For more information about Whittemore House or membership, visit whittemorehouse.org or call 935-5210.

Notables

Wrighton to receive Right Arm of St. Louis Award from RCGA

Chancellor Mark S. Wrighton will receive the Right Arm of St. Louis Award from the St. Louis Regional Chamber & Growth Association (RCGA) Jan. 21, 2010, at the 173rd RCGA annual meeting and dinner at the Chase Park Plaza.

The Right Arm of St. Louis Award was first awarded in 1975 and is presented annually by the RCGA to a person or persons who have made outstanding contributions to the St. Louis region. It is the RCGA's most prestigious honor.

During Wrighton's tenure as chancellor, Washington University has had more than a twofold increase in undergraduate applications. The University also has become a leader in both St. Louis and the world in improving the quality of people's lives through educational, envi-

ronmental and science initiatives.

"It is a real privilege for me to receive this honor from the RCGA on behalf of the University," Wrighton said. "Washington University is one of many institutions that makes St. Louis a wonderful region. I owe this recognition to the many talented students, faculty, staff and alumni who have contributed to the success of the University in building a stronger St. Louis community during my tenure here."

The RCGA connects business and civic communities in the 16-county, bistate St. Louis region. It serves as the regional chamber of commerce for more than 4,000 member companies and as the region's leading economic development organization.

A cover story of Wrighton is upcoming in St. Louis Commerce Magazine.

Levey named director of Hillel

By NEIL SCHOENHERR

Jacqueline "Jackie" Ulin Levey, J.D., has been hired as the executive director of St. Louis Hillel at Washington University.

A University alumna, Levey replaces Michael Landy, who resigned in September. Levey graduated with honors and earned a bachelor's degree in political science in Arts & Sciences in 1997. She also earned a juris doctorate from the School of Law in 2001.

"My overarching goal is to revitalize St. Louis Hillel at Washington University and to re-establish it as one of the premier Hillels in the United States, reflecting its association with Washington University and the high caliber of its students," Levey said.

"My top priority right now is to hire a dynamic rabbi who will be a top-notch educator, reliable to students and able to facilitate and enhance a

pluralistic Jewish environment on campus," Levey said. "Our rabbinic search committee is chaired by Hillel board member Andrew Reffeld, Ph.D., associate professor of political science."

Since graduating from the law school, Levey had previously been employed by Armstrong Teasdale LLP in St. Louis, working in the firm's litigation department, and recently had been appointed to lead its corporate and securities litigation practice area.

She is a member of the Washington University National Council for the Undergraduate Experience, having been appointed by the Board of Trustees in 2006.

She also previously served on the St. Louis Hillel board of directors and co-chaired its 60th anniversary gala in 2007.

"Hillel is also working to build strategic relationships with our extensive network of alumni and parents and will be supplementing the organization's current

board leadership with a national presence," Levey said.

"In addition, as St. Louis Hillel grows, we will continue to expand and diversify our offering of meaningful Jewish experiences and opportunities to increase the number of students engaged in Jewish life," Levey said.

St. Louis Hillel at Washington University seeks to inspire Jewish college students to make an enduring commitment to Jewish life. Its mission is to enrich the lives of Jewish undergraduate and graduate students in St. Louis so that they may enrich the Jewish people and the world.

To achieve this mission, St. Louis Hillel offers a variety of innovative programming and other opportunities in the areas of religious life, social justice, Israel advocacy and leadership development.

For more information about St. Louis Hillel, visit stlouishillel.org.

For the Record

Of note

Nathan A. Baker, Ph.D., associate professor of biochemistry and molecular biophysics, has received a two-year, \$89,667 subcontract from the National Institute of General Medical Sciences for research titled "Analytical Electrostatics: Methods and Biological Applications."

Michael R. Brent, Ph.D., professor of computer science and engineering, has received a three-year, \$30,503 subcontract from the University of Florida for research titled "Development of an Accurate AB Initio Tomato Gene Finder to Support the International Tomato Genome Sequence."

Philip Burkhardt and **Brendan Wittstruck**, juniors in the College of Architecture, won second place in the 2009 Chase Community Development Competition as part of a joint proposal with students at the Massachusetts Institute of Technology. The national competition challenged students to work with nonprofit organizations to develop sustainable real estate projects in post-Hurricane Katrina New Orleans. Burkhardt and Wittstruck worked with adviser **Derek Hoeflerlin**, senior lecturer in the College of Architecture and Graduate School of Architecture & Urban Design. Their submission, which received a \$15,000 seed grant, focused on Robert's Fresh Market, a grocery store on historic Broad Street that has been closed

since the hurricane struck. ...

Robert Criss, Ph.D., professor of earth and planetary sciences in Arts & Sciences, received the inaugural Barry Commoner Science in Environmental Service Award from the Missouri Coalition for the Environment Nov. 21. Criss received the award for exposing the hazards of flood-plain development, large river manipulation, radioactive waste leaching and other forms of contamination through his study of isotopes and water migration. The award is named for Barry Commoner, Ph.D., a former professor of plant physiology and chair of botany at WUSTL and one of the founders of the Missouri Coalition for the Environment. ...

Enrico Di Cera, Ph.D., the Roy and Diana Vagelos Professor of Biochemistry and Molecular Biophysics and professor of medicine, has received a Small Business Innovation Research Program award for a subcontract with Aronora LLC from the National Heart, Lung, and Blood Institute for research titled "Therapeutic Thrombin Analogs" ...

Joan Hall, the Kenneth E. Hudson Professor of Art in the Sam Fox School of Design & Visual Arts, and **Peter Marcus**, professor emeritus of art, exhibited their work in a two-person show titled "Large Scale Prints" at George Mason University's School of Art in Fairfax, Va. Curated by Helen Frederick, associate professor of art at George Mason University, the exhibition opened Nov. 4 and remained on view

through Dec. 4. ...

Henric Krawczynski, Ph.D., associate professor of physics in Arts & Sciences, has received a three-year, \$921,717 grant from the National Aeronautics and Space Administration for research titled "Optimization of CZT Detectors with Sub-mm Pixel Pitches." The purpose of the grant is to develop room-temperature semiconductor detectors for EXIST (Energetic X-ray Imaging Survey Telescope), a hard X-ray imaging all-sky deep survey mission that will be the Black Hole Finder, one of three Einstein Probes in the Beyond Einstein Program. ...

Jr-Shin Li, Ph.D., assistant professor of electrical and systems engineering, has received the 2010 Young Investigator Award from the Air Force Office of Scientific Research (AFOSR). Li will receive a minimum of \$360,000 for three years. He will conduct research on robust manipulation and computation for inhomogeneous quantum ensembles. He is also a recipient of the NSF Career Award in 2007. ...

Andrew D. Martin, Ph.D., professor of political science in Arts & Sciences and of law, has received a one-year, \$75,688 subaward from Northwestern University for research titled "Backdating the U.S. Supreme Court Judicial Database, 1793-1946." This subaward is supported by the American Recovery and Reinvestment Act. ...

Liviu M. Mirica, Ph.D., assistant professor of chemistry in Arts & Sciences, has received a two-year, \$100,000 grant from the American Chemical Society Petroleum Research Fund for research titled "Renewable Energy Catalysis: The Study of Water Oxidation by Binuclear Metal Complexes." ...

Michael J. Page, Ph.D., a post-doctoral fellow in biochemistry and molecular biophysics, has received a four-year, \$280,000 Scientist Development Grant from the

American Heart Association for research titled "Bioengineering Catalytic Properties of Blood Coagulation Proteases." ...

Yoram Rudy, Ph.D., the Fred Saigh Distinguished Professor of Engineering, was awarded the Distinguished Alumni Award from Case Western Reserve University Oct. 22 for his contributions to basic science research in biomedical engineering. ...

Robert Thach, Ph.D., professor of biology in Arts & Sciences, has received a one-year, \$25,000 subaward from Time for Lyme Inc. for research titled "Vertebrate Reservoirs for Tick-Borne Diseases

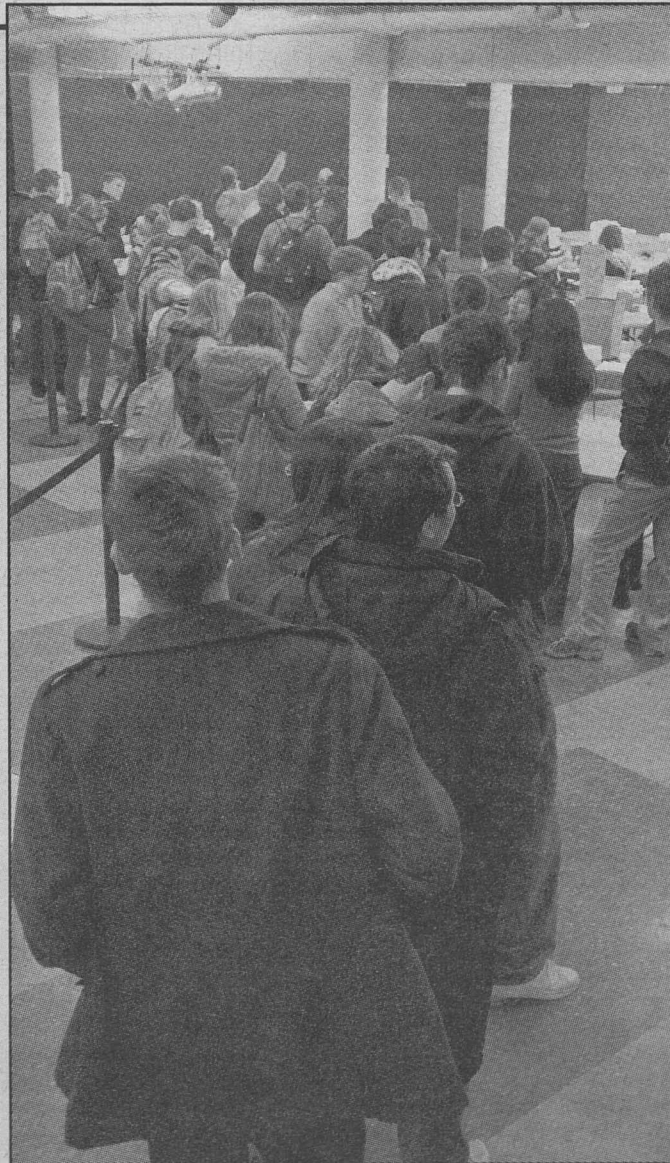
in the Central United States." ...

Washington University received a 2009 Developer/Development of the Year award from the St. Louis Development Corporation Oct. 9 at America's Center. The award was presented by St. Louis City Mayor Francis G. Slay in recognition for WUSTL's contribution in furthering the economic development of the City of St. Louis — specifically for the development of its North Campus, the construction of Brauer Hall and the ongoing development of the Medical Campus. ...

Chancellor **Mark S. Wrighton** and his wife, **Risa Zwerling**

Wrighton, received the 2009 Morris and Ann Lazaroff Lamplighter Award from Chabad's greater St. Louis region at a ceremony in November. The Wrightons were recognized for their efforts at making Washington University more inclusive. ...

Younan Xia, Ph.D., the James M. McKelvey Professor in the School of Engineering & Applied Science, has received a three-year, \$200,000 subaward from the University of Delaware for research titled "From First Principles Design to Realization of Bimetallic Catalysts for Enhanced Selectivity."



Flu queue Long lines snaked through the lower level of Mallinckrodt Center Dec. 7 as hundreds of students took advantage of free H1N1 flu shots. The shots were given to students aged 18-24 years with a valid WUSTL ID or student number. For more information about the University's policies related to the H1N1 flu, visit wustl.edu/flu.

Robins memorial service Jan. 16 at Graham Chapel

A memorial service for Lee Nelken Robins, Ph.D., professor emeritus of social science in psychiatry, will be held Jan. 16, 2010, at 1:30 p.m. in Graham Chapel. A reception will immediately follow in the Whittemore House.

Robins died Sept. 25, 2009, following a long battle against cancer. She was 87.

Robins was a world leader in psychiatric epidemiology research and had worked in the Department of Psychiatry for more than 50 years. Her

early research made key observations about how psychiatric disorders early in life can affect adults, revealing that antisocial behavior in childhood is a major predictor of later psychiatric problems. Those studies forced mental health professionals to rethink topics from teen suicide to drug abuse.

Memorial contributions may be made to the Lee Robins Lectureship in the Department of Psychiatry at Washington University School of Medicine in St. Louis, 660 S. Euclid Ave., Box 8134, St. Louis, MO 63110.

Washington People

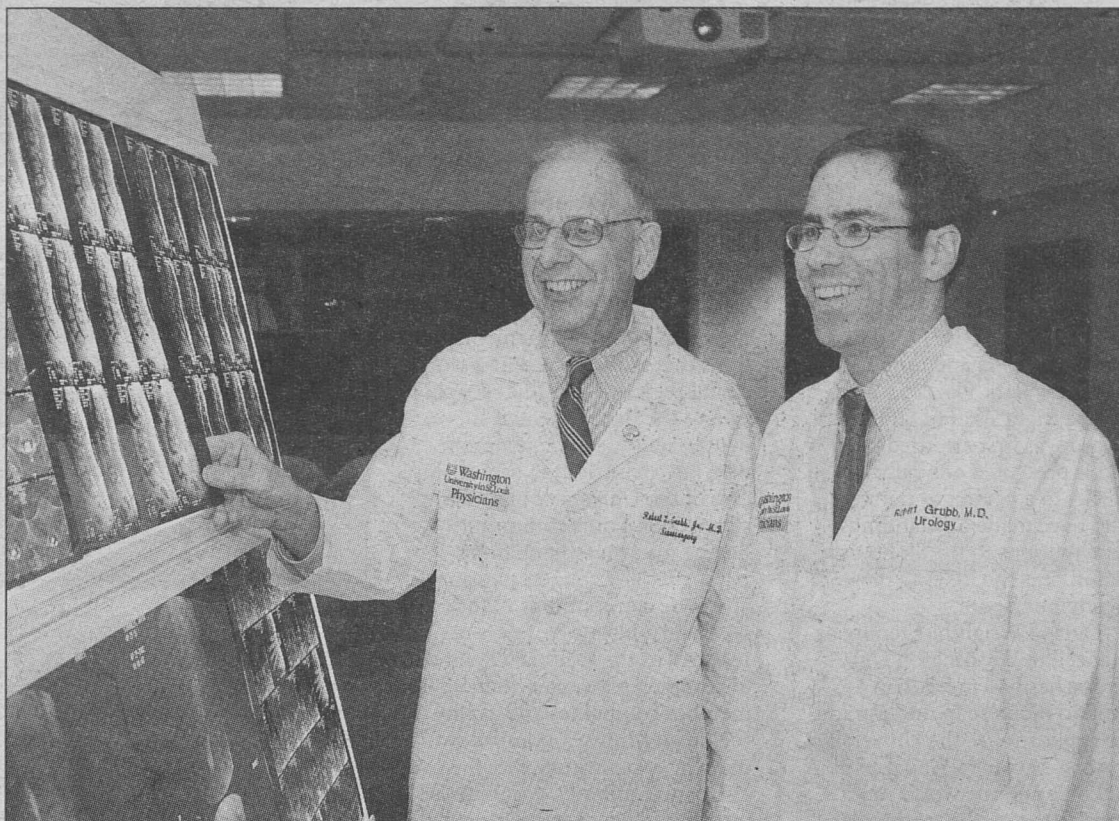
Robert L. Grubb Jr., M.D., professor emeritus of neurosurgery, kept a difficult and important resolution last year.

Grubb had decided to lay down his scalpel when he turned 68, and that's exactly what he did in July 2008.

"I was still doing fine in the operating room, but I had kind of pulled 68 out of the air years ago and decided to quit then while I was still ahead," he says and then chuckles. "If I'd only known what the stock market crash of 2008 was going to do to my retirement accounts three months later, I never would've stopped!"

Grubb laughs at his own expense often, and the target of his humor is frequently his age or his four-and-a-half decades of service. A moment after pointing out his portrait in the Department of Neurosurgery's conference room, he says, "Nearly everyone with a portrait up here is dead. What does that say about me?"

The real punch line to these jokes, though, is that they seem to be the product of an extraordinary degree of comfort with his change of status. Far from being "one foot in the grave," as he jokes at an-



Robert L. Grubb Jr., M.D. (left), and his son, Robert L. Grubb III, M.D., look at X-rays in Grubb Jr.'s office. "Dr. Grubb has done a great service to the department by compiling our history, but his impact in making our department great through his efforts as a scientist, surgeon and teacher over the past 40 years have been even more notable," Ralph G. Dacey, M.D., says.

By MICHAEL C. PURDY

Starting a new chapter

History buff Grubb aids department's anniversary prep

other point, or otherwise on his way out, Grubb continues to be an active member of the University community, seeing outpatients in clinics three days a week, serving as the principal neurosurgical investigator on a major multicenter clinical trial and working on a history of the Department of Neurosurgery in honor of its upcoming centennial in 2011.

Making up his mind

Grubb came to Washington University in 1965 from his home state of North Carolina, where he went to medical school at the University of North Carolina at Chapel Hill.

"The surgery chairman at Chapel Hill at the time was a fellow named Nathan Womack," says Grubb, who reels off decades-gone histories of colleagues, mentors and institutions. "Womack was one of the first general surgery residents at Washington University under Evarts Graham, M.D., chairman of the department of surgery from 1919-1951."

Womack suggested Grubb consider Washington University School of Medicine as a place to serve his internship in general surgery before choosing a surgical specialty. After investigating, Grubb moved to St. Louis with his wife and high-school sweetheart, Julia. A year into his residency in general surgery, though, he was drafted and sent to Vietnam in 1967.

"I was weighing my options for surgical specialties and wasn't quite sure which one I wanted to pick," he says. "Suddenly, I was

told I was going to end up in Vietnam, and I decided I'd better make up my mind real quick."

Grubb found an opening for a residency in neurosurgery beginning in 1969. After spending a year in South Vietnam at a civilian hospital in the town of Nha Trang, he spent his second year in the service at the National Institutes of Health and returned to the University, completing his neurosurgery residency in 1973.

As a resident, he worked in the laboratory of Michel Ter-Pogossian, Ph.D., an early developer of positron emission tomography (PET) scans. His colleagues in the lab included another new arrival, Marcus Raichle, M.D., now professor of neurology, of radiology and of neurobiology. Forty years later, the two still are close friends.

"The chief of neurosurgery at that time was a man named Henry Schwartz, a legendary figure in the field, and nobody can tell stories about him quite like Bob Grubb can," Raichle says. "His ability to share his interest in the history of his field is quite impressive."

During their time in Ter-Pogossian's lab, both scientists worked to develop PET to monitor blood flow dynamics in the brain. They're both still doing research in this area, although in different contexts and using different techniques.

Blood and the brain

As a surgeon, Grubb developed three subspecialties: acoustic neuromas and other tumors found at the base of the skull; carotid endarterectomies, procedures that clean out blocked or partially occluded carotid arteries to reduce the risk of stroke; and

surgical procedures to relieve trigeminal neuralgia, a painful condition involving the nerves of the face.

In the laboratory, Grubb studies how issues relating to brain blood flow, including atherosclerotic blockages of the carotid arteries, affect stroke risk. He began collaborating with William Powers, M.D., chair of neurology at the University of North Carolina at Chapel Hill, on some of these issues in the early 1980s.

Powers is principal investigator and Grubb is principal neurosurgical investigator on a multicenter trial to see if a procedure known as an extracranial/intracranial arterial bypass can decrease stroke risk in patients with reduced blood flow in the brain due to an occluded carotid artery. The procedure connects an artery in the scalp to an artery on the surface of the brain to improve blood flow.

"This operation was widely used in the 1970s and 1980s, but then results of a multicenter trial were published in 1985 that didn't show any benefit of the surgical procedure in preventing stroke over nonsurgical treatments," Grubb says. "The operation kind of died out after that."

Grubb and Powers are concerned, though, that the multicenter trial failed to test the bypass operation in the patients most likely to benefit from it.

"The brain has a lot of arterial connections, and that means that some people can still have good brain blood flow even when one of their carotid arteries become partially or fully blocked," he says. "The 1985 trial didn't screen for this — they just applied it in anyone who'd had a stroke with partial or complete blockage of the carotid."

In a study conducted by Grubb and Powers in the 1990s, poor blood flow in the portion of the brain normally supplied by the blocked carotid artery was associated with an increased risk of stroke. In the new trial, researchers are screening patients with PET scans to measure brain blood flow and only entering subjects with reduced blood flow into the study to maximize patients' chances of benefiting from the procedure.

"Bob is applying in patients what he and I helped lay the groundwork for decades ago in basic PET research," Raichle says. "It's clinically meaningful translational research."

Making history

Grubb recently completed a first draft of a history of the Department of Neurosurgery.

"It needs a lot of editing and is not likely to be a bestseller," he jokes.

The narrative, assembled from documents, anecdotes and personal histories Grubb pulled together in the department and from the medical school archives, covers the period from the 1911 arrival of Ernest Sachs, M.D., the first person in the world to train specifically in neurosurgery, to the retirement of Sidney Goldring, M.D., as neurosurgery chairman in 1989.

"Dr. Ralph Dacey, our current department head, told me to end it with the start of his term because that's a history that has yet to be written," he says. "One of the most remarkable things about this department's first century is that it's had only four leaders in all that time."

Grubb says he's "not really a historian," but he enjoys the subject. He is disappointed that previous attempts to write the history of the School of Medicine and Barnes Hospital in the late 1940s and '50s never were completed.

The interest in history runs deep in the Grubb family. Robert Grubb Jr.'s son, Robert L. Grubb III, M.D., assistant professor of surgery in the Division of Urological Surgery, majored in history before going to medical school.

Ralph G. Dacey, M.D., the Henry G. and Edith R. Schwartz Professor and head of Neurological Surgery, is grateful for Grubb's work.

"Dr. Grubb has done a great service to the department by compiling our history, but his impact in making our department great through his efforts as a scientist, surgeon and teacher over the past 40 years have been even more notable," Dacey says.

"He is a great colleague and citizen of Washington University," Dacey says.

One of the copies of Grubb's first draft of the history went straight to his old friend Raichle.

"To care about this aspect of the work we do is important," Raichle says. "Sometimes we get caught up in the moment of our own successes, not remembering how dependent they are on the work of those that preceded us. For someone to take charge of reminding us of that is certainly to be admired."

Robert L. Grubb Jr.

Born in: Charlotte, N.C.

Lives in: Glendale, Mo.

Family: Wife, Julia; son, Robert, 39; daughter, Mary Connell Lifton, 34

Favorite vacation spots include: Pawleys Island, S.C.

High point of being a sports fan: Watching the North Carolina Tar Heels win the NCAA basketball championship in St. Louis in 2005

Low point of being a sports fan: Watching the St. Louis Cardinals football team lose its last game in St. Louis in 1987



Robert L. Grubb Jr. and his family, celebrating daughter Mary Connell's wedding on Pawleys Island, S.C., in October. From left: wife, Julia Grubb; Robert L. Grubb Jr.; daughter, Mary Connell Lifton; son-in-law, Tyler Lifton; grandson Robert Grubb IV; daughter-in-law, Jessica Grubb; granddaughter, Louisa Grubb; son, Robert L. Grubb III; and grandson Connell Grubb.