



# @ Washington University in St. Louis

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e-News for Alumni, Parents, and Friends

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## University News

### **Eero Saarinen: Shaping the Future**

Eero Saarinen (1910-1961) was among the most prolific, unorthodox, and controversial architects of the 20th century, creator of the monumental St. Louis Gateway Arch as well as sweepingly abstract terminals for New York's John F. Kennedy International and Washington's Dulles International airports. In January, the Mildred Lane Kemper Art Museum at Washington University in St. Louis will present **Eero Saarinen: Shaping the Future**, the first retrospective to explore the complete career of the acclaimed Finnish American architect.

### **University to end sale of bottled water on campus**

Beginning in January, faculty, students, and staff on the Danforth, North, and West campuses will no longer find bottled water in vending machines or campus eateries. Because of concerns about the environmental impact of bottled water, the University is ending sales of the product, and administrative offices will no longer offer bottled water at events and meetings. Instead, faculty, staff, students, and guests are encouraged to drink tap water and use reusable water containers.

### **Olin's EMBA program named best in mainland China**

The Washington University-Fudan University Executive MBA program retains its distinction as one of the top 10 Executive MBA programs in the world, ranking eighth worldwide, and first in mainland China for the third year in a row, according to 2008 rankings released late last month by the *Financial Times*.



United States Jefferson National Expansion Memorial, St. Louis, Missouri, under construction, 1965.

Photographer: Bob Arteaga © Arteaga Photos Ltd. From the Collections of Arteaga Photos Ltd.

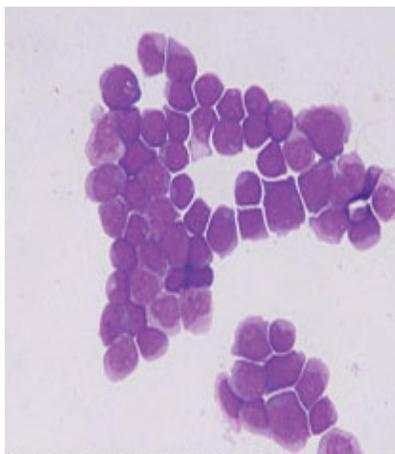
## Research

### **Washington University scientists first to sequence genome of cancer patient**

For the first time, scientists have decoded the complete DNA of a cancer patient and traced her disease — acute myelogenous leukemia — to its genetic roots. A research team at the Genome Sequencing Center and the Alvin J. Siteman Cancer Center at Washington University School of Medicine and Barnes-Jewish Hospital sequenced the genome of the patient — a woman in her 50s who ultimately died of her disease — and the genome of her leukemia cells to identify genetic changes unique to her cancer.

### **Moving down the chain**

Researchers at Washington University have shed light on a basic process that could improve future solar cells. "One type of solar cell design starts with a chain of chromophores strung between two electrodes," explains Dewey Holten, Ph.D., professor of chemistry in Arts & Sciences. "This chain absorbs the light energy and directs that energy toward one electrode, where it is deposited as an electron. The molecule that lost the electron now has a positive charge left behind, called a hole. The hole migrates down the chain toward the opposite electrode. The electron and the hole recombine in the external circuit, creating an electrical current to do work."



Acute myelogenous leukemia cells

### Brain implants may help stroke patients overcome partial paralysis

Washington University scientists have shown for the first time that neuroprosthetic brain implants may be able to help stroke patients with partial paralysis. Researchers found that implants known as brain-computer interfaces (BCI) may be able to detect activity on one side of the brain that is linked to hand and arm movements on the same side of the body. They hope to use these signals to guide motorized assistance mechanisms that restore mobility in partially paralyzed limbs.

### Features

#### How surcharges affect pricing and purchasing

Surcharges — additional fees such as shipping and handling — are unwelcome but common charges that can shoot up the cost of online and catalog shopping. Yet how many of us base our purchasing decision on these niggling fees? A lot more than you might think. New research conducted by Amar Cheema, Ph.D., assistant professor of marketing in the John M. Olin School of Business, suggests that consumers pay more attention to surcharges than was previously thought.

#### Domestic violence risk a growing problem for veterans

With the increased risk of domestic violence in veterans suffering from posttraumatic stress disorder (PTSD), collaboration is needed to deal with both problems effectively, according to a University expert in veteran mental health. "The increasing number of veterans with posttraumatic stress disorder raises the risk of domestic violence and its consequences on families and children in communities across the United States," says Monica Matthieu, Ph.D., research assistant professor in the George Warren Brown School of Social Work.

### Heard on Campus

"I deeply, truly believe that the first amendment is the red, beating heart of our constitutional republic based on the principles of freedom and democracy because it is so vital to our system of checks and balances."

— Dan Rather, award-winning journalist, during his address to Professor Greg Magarian's Speech Press & Constitution class in the School of Law.



### Clinic's work results in new EPA lead standard

Students, faculty, and staff in the Interdisciplinary Environmental Clinic (IEC) have been instrumental in bringing about a significantly reduced ambient air standard for lead. The Environmental Protection Agency's (EPA) new national standard is a direct result of a lawsuit the IEC filed in federal court on behalf of the Missouri Coalition for the Environment and former Herculaneum, Missouri, residents in May 2004.

### Kudos

Ralph G. Dacey Jr., M.D., the Henry G. and Edith R. Schwartz Professor and chair of neurological surgery, has been named president of the American Academy of Neurological Surgery, a national organization for leaders of academic and hospital neurological surgery departments. His tenure as president continues until November 2009. In addition, Dacey was named to a three-year term as chairman of the Accreditation Council

for Graduate Medical Education Residency Review Committee for neurological surgery.

Philip E. Cryer, M.D., the Irene E. and Michael M. Karl Professor of Endocrinology and Metabolism in Medicine, received one of two 2008 Novartis Prizes for Long-Standing Achievement in Diabetes on September 9 in Rome, Italy. Novartis, which cited Cryer as one of the most recognized clinical investigators in diabetes, recognized his pioneering research in hypoglycemia and his work as an outstanding trainer of large numbers of physicians who have gone on to distinguished careers in academic medicine.

F. Scott Kieff, J.D., professor of law, has been named a senior fellow at Stanford University's Hoover Institution on War, Revolution and Peace. He joins an esteemed roster that includes Nobel Laureates like Washington University's Douglass C. North, Ph.D., the Spencer T. Olin Professor in Arts and Sciences.

About @Washington University in St. Louis

This newsletter is prepared by Special Development Communications Projects staff in Alumni and Development Programs. It is intended to provide a brief summary of what is happening at the University. Alumni, parents, and friends of the University for whom we have valid e-mail addresses automatically receive @Washington University in St. Louis.

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