

# Engineering News

September 2012

Across Disciplines.  
Across the World.™

FEATURED STORY



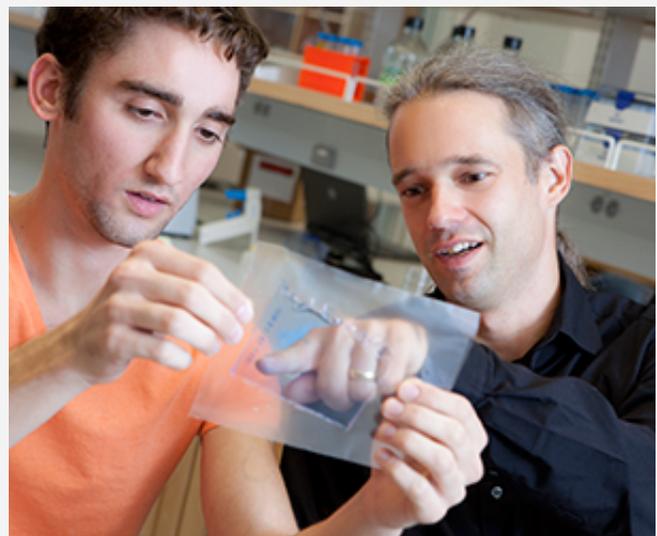
## \$9 MILLION TO ADVANCE ENERGY RESEARCH

Washington University continues to lead in developing advanced energy sources, while preserving the environment. The U.S. Department of Energy awarded nearly \$8 million, coupled with more than \$1 million in matching funds, to faculty in the Department of Energy, Environmental & Chemical Engineering for work in solar energy, lithium-ion batteries and clean coal technology.

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SCHOOL WELCOMES NINE NEW FACULTY



CENTER FOR BIOLOGICAL SYSTEMS  
ENGINEERING KICKS OFF WITH SYMPOSIUM

"This incredible yield means that nine of the top engineering faculty in the United States – some new faculty and two well established – chose Washington University over any other engineering school because this is the best place for them and their research," says Dean **Ralph Quatrano**.

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## SPONSORED BY LOCKHEED MARTIN

Researchers in the new interdisciplinary Center for Biological Systems Engineering at Washington University hosted its inaugural symposium Sept. 7.

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### STUDENTS

#### DISCOVERY COMPETITION OFFERS \$25,000 PRIZE FOR INNOVATIVE IDEAS

Washington University undergraduate students can compete in a new competition for \$25,000 to take their innovative ideas from concept to market.

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### FACULTY

#### WANG RECEIVES PRESTIGIOUS NIH DIRECTOR'S PIONEER AWARD

Professor **Lihong Wang** will use the \$3.8 million award to explore novel imaging techniques using light that promise significant improvements in biomedical imaging and light therapy.

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### ALUMNI

#### GAINES COLEMAN NAMED VOLUNTEER OF THE YEAR

Computer Science & Engineering alumnus **Gaines Coleman** was honored for his dedication to service and support of the School of Engineering & Applied Science.

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### UPCOMING EVENTS

[Fri, Sep 28](#)

ESE Seminar: "Energy management for large scale charging of electric vehicles"

[Fri, Sep 28](#)

NSBE Career Fair

[Tue, Oct 16](#)

Engineering Mentor Program Kickoff

[Fri, Oct 19](#)

Fall Break

[Fri, Oct 26](#)

Parent & Family Weekend

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### RESEARCH NEWS

[WUSTL researchers get \\$2 million to study heart failure](#)

**Guy Genin** is among a team of scientists from WUSTL and InvivoSciences that will construct artificial tissue models that will allow the rapid testing of new drugs for heart failure.

[\\$1.7 million grant funds study of neural circuits in the brain](#)

**Vitaly Klyachko's** grant from the National Institute of Neurological Disorders and Stroke will fund research that has important implications to Alzheimer's disease and other neurological disorders.

[NIH awards \\$1.2 million to Zhang for genetic analysis](#)

**Weixiong Zhang** and **Sharlee Climer** received the four year grant to develop a novel approach for analyzing genome-wide gene profiling data for complex disease studies.

[Goodwin-Frank to direct research development administration](#)

**Natalie Goodwin-Frank** joins the School of Engineering to expand the school's research portfolio by finding new funding opportunities, building relationships and coordinating research proposals.

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