



Higuchi Award nominations sought

December 8 is the deadline for nominating candidates for the prestigious Higuchi-Endowment Association Research Achievement Awards. Faculty members at any of the Kansas Board of Regents institutions are eligible for consideration.

Four awards are given:

- **Balfour Jeffrey Research Award** in the field of the Humanities and Social Sciences
- **Olin Petefish Research Award** in the field of Basic Sciences
- **Dolph Simons Research Award** in the field of Biomedical Sciences
- **Irvin Youngberg Research Award** in the field of Applied Sciences

Each award of \$10,000 may be expended over five years in support of research activities in the form of research materials, summer salary, fellowship matching funds, equipment, research assistants or other purposes that advance the individual's research program.

Complete nomination information, as well as lists of past recipients, is available online at http://www.rgs.ku.edu/depts/rgs/higuchi_awards/08-09_nomination_info.shtml. All material should be submitted to:

Higuchi-Endowment Association Research Achievement Award
Office of the Vice Provost for Research and Graduate Studies
Youngberg Hall
2385 Irving Hill Road
Lawrence, KS 66045-7563

Two KU research administrators announce 2009 retirement plans

George Wilson, associate vice provost for research, and Barbara Armbrister, assistant vice provost and director of research administration, recently announced plans to retire from those positions in 2009.

Wilson will serve through December 2009, when he will also retire as Higuchi Distinguished Professor of Chemistry and Pharmaceutical Chemistry. Armbrister is stepping down in early January, but will continue in a consulting role through June 2009.

Wilson joined the KU faculty in 1987 and became associate vice provost in 2003. His principal areas of oversight include the university research centers and institutes on the Lawrence campus, research space assignments and research investments.

“George has really had two remarkable careers at KU,” said Steve Warren, vice provost for research and graduate studies. “He has an international reputation in the chemistry profession, and his teaching and research have led to advances in the treatment of diabetes. As an administrator, he has been the driving force in planning

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and developing KU's bioscience infrastructure on the West Campus. His success in both roles will be his long-remembered legacy to his colleagues and the entire university."

Armbrister has held a number of senior-level research administration positions during her more than 36 years at KU. She served in KU's original Center for Research, Inc. (CRINC) and its successor, the KU Center for Research, Inc. (KUCR). As assistant vice provost, her principal areas of oversight include proposal services, post-award services, business services and contract negotiations.

"Barbara was present at the creation of what is now the KUCR research foundation," Warren said. "It was a small and relatively simple operation in 1972. Since then, the level of KU research has increased dramatically, as has the administrative complexity. Through it all, she has been a superb leader to a staff whose focus remains on building our capacity to meet the growing needs of KU researchers. I appreciate her long and outstanding service to the university."

An internal search for a successor to Wilson will begin in November. A national search for a successor to Armbrister will also begin in November. Starting in December, Michelle Ginavan will serve as acting director of research administration, while Anita Abel will serve as acting manager of post-award services.

KUCR adopts new terminology for research units

The The KU Center for Research has long used "designated center" as its terminology for identifying and organizing large Lawrence campus research units that meet certain qualifications. Effective this fall, a new structure with four categories was adopted and the former descriptions no longer apply.

The Institute for Policy and Social Research (IPSR) is a new addition to the largest category of research units. Provost Lariviere approved the designation in September on the recommendation of Steve Warren, vice provost for research and graduate studies. In a note to Steven Maynard-Moody, director of IPSR, Warren wrote "Congratulations to you and your colleagues on achieving this status. It is well deserved."

An organizational chart providing details of the entire revised structure is on-line at http://www.rgs.ku.edu/about/orgchart/rgs_centers.pdf.

University Research Centers and Institutes

- Biodiversity Institute
- Bioengineering Research Center (BERC)
- Center for Environmentally Beneficial Catalysis (CEBC)
- Center for Research on Learning (CRL)
- Higuchi Biosciences Center (HBC)
- Information and Telecommunication Technology Center (ITTC)
- Institute for Policy & Social Research (IPSR)
- Hall Center for the Humanities
- Life Span Institute (LSI)

State Surveys

- Kansas Biological Survey
- Kansas Geological Survey

Affiliated Centers

- Biotechnology Innovation and Optimization Center (BIO Center)
- Tertiary Oil Recovery Project (TORP)
- Transportation Research Institute (KU TRI)

Core Service Labs

- Biomedical Research Centers
 - Animal Care Unit

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- High-Throughput Screening Lab
- Microscopy and Analytical Imaging Lab
- Transgenic-Gene Knockout Facility
- Molecular Structures Group
 - Applied Bioinformatics Lab
 - Mass Spectrometry Lab
 - Molecular Graphics and Modeling Lab
 - Nuclear Magnetic Resonance Lab
 - Protein Purification Group
 - X-Ray Crystallography Lab.

Revised NIH New and Early Stage Investigator policies

The National Institutes of Health (NIH) has revised the policies regarding New Investigators* in response to the Enhancing Peer Review Initiative. Under this new policy, the NIH intends to support New Investigators at success rates comparable to those for established investigators submitting new applications.

Early Stage Investigators (ESIs**), should comprise a majority of the New Investigators supported. Where possible, New Investigator applications will be clustered during review. These NIH New Investigator Policies are limited to applications for traditional research project grant (R01) support. Accordingly, the NIH strongly encourages New Investigators, particularly ESIs, to apply for R01 grants when seeking first-time NIH funding.

***New Investigator:** In general, a Program Director/Principal Investigator (PD/PI) is considered a New Investigator if he/she has not previously competed successfully as PD/PI for a significant NIH independent research award. For example, a PD/PI who has previously received a competing NIH R01 research grant is no longer considered a New Investigator. A complete definition of a New Investigator along with a list of NIH grants that do not disqualify a PD/PI from being considered a New Investigator can be found at http://grants1.nih.gov/grants/new_investigators/resources.htm.

****Early Stage Investigator (ESI):** An individual who is classified as a New or First-Time Investigator and is within 10 years of completing his/her terminal research degree or is within 10 years of completing medical residency (or the equivalent) is considered an Early Stage Investigator (ESI). More information on ESIs is available at <http://grants.nih.gov/grants/guide/notice-files/NOT-OD-08-121.html>.

For the full NIH notice regarding New and Early Stage Investigators, go to <http://grants.nih.gov/grants/guide/notice-files/NOT-OD-09-013.html>.

New NIH Resubmission Policy

The NIH has announced a change in the existing policy on resubmission (amended) applications (see <http://grants.nih.gov/grants/policy/amendedapps.htm>).

Beginning with original, new (never submitted) applications and competing renewal applications submitted for the Jan. 25, 2009 due dates and beyond, the NIH will accept only a single amendment to the original application. Failure to receive funding after two submissions, i.e., the original and the single amendment (A1), will mean the applicant should substantially re-design the project rather than simply change the application in response to previous reviews.

A new application is expected to be substantially different in content and scope, with more significant differences than are normally encountered in an amended application. Note there is no time limit for the submission of the original and subsequent A1.

Original new and competing renewal applications that were submitted prior to Jan. 25, 2009 will be permitted two amendments (A1 and A2). For these "grandfathered" applications, NIH expects that any A2 will be submitted no later than Jan. 7, 2011, and it will not accept any after that date.

This policy is expected to lead to funding high quality applications earlier, with fewer resubmissions.

New NSF Proposal & Award Policies & Procedures Guide

The National Science Foundation (NSF) has released a new *Proposal & Award Policies & Procedures Guide* (PAPPG), NSF 09-1, http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf091 that will be effective for proposals received on or after Jan. 5, 2009.

Significant changes include:

- Guidance that addresses and implements the mentoring requirement of the America COMPETES Act;
- A major revision of NSF's faculty salary reimbursement policy, which limits senior personnel's compensation to no more than two months of their regular salary in any one year from all NSF-funded grants;
- Debut of the Grants for Rapid Response Research (RAPID) and EARly-concept Grants for Exploratory Research (EAGER) mechanisms, which replace the SGER program; and
- Revision of the definition of "co-PI" for greater consistency with guidance issued by the Office of Science and Technology Policy.

While this version of the guide becomes effective Jan. 5, the guidelines contained in the current PAPPG (NSF 08-1) will continue to apply. It remains on the NSF website. In addition, funding opportunities with due dates between Jan. 5 and Mar. 31 will be revised to alert proposers that significant changes have been made to NSF proposal preparation guidelines.

KU expands Ft. Leavenworth relationship to embrace all U.S. services

The KU-Ft. Leavenworth Program, established in 2007, gained a new leader this fall, along with a new name and an expanded academic mission.

Adrian Lewis arrived at KU in July as the first permanent director of what is now called the Office of Professional Military Graduate Education. "Our focus is, in part, on the Command and General Staff College at Ft. Leavenworth," said Lewis, "but we're now reaching out to all military services. The new name reflects the fact KU has academic programs that could benefit the Navy and the Air Force, as well as the Army."

Lewis' goal is "for KU to be viewed as the preferred university for military personnel seeking graduate degrees. I want us to capitalize on our assets, so that when a service academy wants an instructor to pursue a doctorate in history and other fields such as anthropology or political science, they think first of KU."

The Office of Professional Military Graduate Education supports participants in the Army's "Wounded Warrior" initiative at KU, as well as other military personnel enrolled at the Lawrence campus. A major new project for the office is the development of a special master's degree program in interagency studies. KU faculty would teach four courses at Ft. Leavenworth and four courses at KU from a menu of options, with the balance of the credit earned at the Command and General Staff College.

Lewis succeeded David Lambertson, interim director of the KU-Ft. Leavenworth Program. He reports to Sara Rosen, associate vice provost in the Office of Research and Graduate Studies and dean of graduate studies, and Dawn Tallchief serves as his assistant director.

Graduate student receives Chancellor's Writing Prize

Christina Munson, a doctoral student in chemistry, is the graduate student recipient of the 2008 Chancellor's Writing Prize.

Established in 2007, the \$1,000 annual prize honors an undergraduate and a graduate student who collaborated with a faculty member and a KU Writing Center consultant to improve his or her writing abilities and produce outstanding

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original compositions. The prize encourages excellence in writing, acknowledges the importance of consultation from faculty and the KU Writing Center and promotes writing across KU's curriculum.

Munson's prize-winning paper was titled "Building Peer-Led Team Learning Communities through Asynchronous Learning Networks to Improve Student Performance, Success and Persistence in Organic Chemistry." Her faculty mentor was Meagan Patterson, assistant professor of psychology and research in education.

The deadline for submissions for the 2009 contest is June 1. Applicants must be enrolled at KU during the fall or spring semesters. Theses and dissertations do not qualify. Entries consist of a two-part portfolio that demonstrates the process and results of collaboration of writer, faculty mentor and the KU Writing Center. For more information, go to www.writing.ku.edu.

SMART Scholarship application deadline is December 15

The SMART Scholarship Program was created in 2006 to increase the number of scientists and engineers working in the U.S. Department of Defense. This is a highly selective program that supports graduate or undergraduate students who have an aptitude and interest in conducting theoretical and applied research.

There are currently 300 SMART scholars nationwide, including two at KU: James Jenshak and Michael Wasikowski in the School of Engineering.

Deadline for 2009 consideration is December 15. Recipients receive:

- Annual stipend ranging from \$25,000 to \$41,000;
- Full tuition and related educational fees;
- Book allowance of \$1,000 per year; and
- Paid summer internships and placement after graduation

Individuals applying to the program should have a strong interest in working for the Department of Defense as a civilian research scientist or engineer.

The program is administered by the American Society for Engineering Education and the Naval Postgraduate School.

More information about the program, eligibility and application process is available at

<http://www.asee.org/fellowships/smart/>.

NDSEG Fellowship application deadline is January 5

The National Defense Science and Engineering Graduate (NDSEG) Fellowship program is sponsored by the Department of Defense and provides 36 months of support (tuition, fees and a stipend beginning at \$30,500) to graduate students at or near the beginning of their graduate studies in science, technology, engineering and mathematics.

The application deadline is Jan. 5, 2009. There are plans to award approximately 200 new three-year graduate fellowships in April 2009, subject to the availability of funds. Fellowships are offered to individuals who have demonstrated ability and special aptitude for advanced training in science and engineering, and who will pursue a doctoral degree in, or closely related to, one of the following disciplines:

- Aeronautical and Astronautical Engineering
- Biosciences
- Chemical Engineering
- Chemistry
- Civil Engineering
- Cognitive, Neural, and Behavioral Sciences

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- Computer and Computational Sciences
- Electrical Engineering
- Geosciences
- Materials Science and Engineering
- Mathematics
- Mechanical Engineering
- Naval Architecture and Ocean Engineering
- Oceanography
- Physics

The program is administered by the American Society for Engineering Education. More information about the program, eligibility and application process is available at <http://www.asee.org/ndseg>.

Graduate student workshop planned on poster presenting

Each spring, the KU Graduate and Professional Association holds a Graduate Student Research Competition. Graduate student researchers present posters of their research, and monetary awards are sponsored by the Office of Research and Graduate Studies.

In a desire to expand the fields of study represented, RGS is holding a workshop for graduate students who would like to participate but who may be unfamiliar with the poster presentation format. This session will provide an introduction to the basics. A whirlwind tour of poster formatting and a brief guide to avoiding common mistakes will be followed by an interactive, hands-on brainstorming session.

The workshop is Friday, Nov. 21 in the Gridiron Room at Burge Union. Any student interested in presenting their research is invited to attend.

An additional abstract writing workshop will be offered at the KU Writing Center in January for those interested in participating in the competition. Details of that workshop will be provided soon.

Selected Recent Awards

Patricia Weaver, associate director of outreach and technology transfer in KU's Transportation Research Institute, is the 2008 recipient of the Roger Tate Award, presented by the Transportation Research Board's Rural Public and Intercity Bus Transportation Committee. The award honors individuals who have "records of passionate, innovative and unswerving commitment to improving transportation services in rural America." TRB is one of six major divisions of the National Research Council, a component of the National Academies.

Alice Lieberman, professor of social welfare, recently received a five-year, \$2.5 million award from the U.S. Department of Health and Human Services for "Child Welfare Training: National Child Welfare Workforce Initiatives

Principal Investigator	Agency	Project Title
Thomas Cravens	NASA	Understanding the Diffuse X-Ray Background: The Extragalactic to Solar System Environment
Mikhail V. Medvedev	NASA	Gamma-Ray Burst Models for GLAST
Stephen Fawcett	NIH	Implementing the "Health for All" Model With the Latino Community of Kansas City

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Robert Hanzlik	NIH	COBRE: Protein Structure and Function
Paulette Spencer	NIH	Im/Miscible Adhesive/Dentin Interface: Structure/Mechanic
Mary Michaelis	NIH	Novel Hsp90 Inhibitors to Reduce Misfolded Proteins in Alzheimer's Disease
Eli Michaelis	NIH	Reactive Oxygen Species and Aging
Eric Munson	NSF	GOALI: New Techniques for Solid-State NMR Studies of Pharmaceuticals
Rafe Brown	NSF	A Comprehensive Biotic Survey of Philippine Land Vertebrates and Their Parasites
Rob Moyle	NSF	Avian Diversification Across Tropical Asia: A Systematic and Biogeographic Analysis of Babblers (Aves: Timaliidae)
James Beach	NSF	CI-Team Implementation Project: Advancing Cyberinfrastructure-Based Science Through Education, Training and Mentoring of Science Communities
Craig McLaughlin	NSF	CAREER: Upper Atmospheric Density From Precision Orbit Determination
Jin Feng	NSF	Small Time Behavior of Multiscale Diffusions Motivated by Stochastic Volatility Models
Edith Taylor	NSF	DDEP -- Late Paleozoic Fossil Plants from Gondwana: Clarifying the Role of Glossopterids in Seed Plant Evolution
Weishi Liu	NSF	Dynamics of Singularly Perturbed Systems and Ion Channel Problems
Lisa Friis	Pacific Research Laboratories	Development and Validation of Instrumental Synthetic Mechanical Analogue Lumbar Spine Models
Jyun Syung Tsau, Jenn-Tai Liang	Research Partnership to Secure Energy for America	Near Miscible CO ₂ Application to Improve Oil Recovery for Small Producers

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People of RGS

Each month, we introduce you to staff in the Office of Research and Graduate Studies (RGS) who make a difference on campus and in their community. Is there someone you'd like to see featured? Contact kboatright@ku.edu.

Teri Herberger

Title:	Facilities Manager	
Years at KU:	10 years with RGS, following eight years at the KU Alumni Association	
Duties:	Teri deals with administrative, operational and maintenance issues at the Multidisciplinary Research Building (MRB) and the Structural Biology Center (SBC). She works with researchers in the labs to ensure the comfort and conduciveness to research of their spaces and with KU's Facilities Operations with regard to routine maintenance. Teri also serves as a resource to faculty and staff who have questions about RGS policies, grant accounting, funds availability and an assortment of research administration issues.	
For Fun:	Teri was in the KU Marching Band for three years and marched in the Hall of Fame Bowl in Birmingham, Ala., where KU lost to Mississippi State 10-0. She was also at the World Series game in 2004 when the Boston Red Sox broke their 86-year curse and beat the St. Louis Cardinals. Teri's traveled to 14 different countries.	

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Upcoming Events

November 17-23

Global Entrepreneurship Week

www.unleashingideas.org

November 18

Byron T. Shutz Teaching Award Lecture and Reception
Presenter: Elizabeth Asiedu, Department of Economics
“The HIV/AIDS Epidemic: A Challenge for Sub-Saharan Africa”

The Commons, Spooner Hall

4 p.m.

November 18

Hall Center Humanities Lecture Series

Speaker: Jeannette Walls, author

“The Glass Castle: Hunting Demons and Other Life Lessons”

Woodruff Auditorium, KU Union

7:30 p.m.

<http://www.hallcenter.ku.edu/>

November 19

Global Entrepreneurship Week Presentation

Former Pro Athletes Bud Stallworth, Bobby Douglass and Deron Cherry

Woodruff Auditorium, KU Union

7 p.m.

<http://www.news.ku.edu/2008/november/3/athletes.shtml>

November 20

KansasBIO Annual Meeting Industry Growth Awards Reception

Mission Hills Country Club, Shawnee Mission, KS

5 p.m.

<http://www.kansasbio.org/>

November 21

Graduate Student Workshop: Poster Presentations for Beginners

Gridiron Room, Burge Union

3 p.m.

December 3-4

TRIPS Flight to Washington, D.C.

<http://www.rgs.ku.edu/depts/rgs/trips/index.shtml>

December 5

Hall Center Lecture Series: What Does a Liberal Society Owe the Disadvantaged?

Speaker: Richard Arneson, UC-San Diego

“Varieties of Cosmopolitanism and the Ideal of Global Justice”

Alderson Auditorium, KU Union

4 p.m.

<http://www.hallcenter.ku.edu/>

December 12

Brown Bag Workshop: “GTA Processes”

Presenters: Christine Kosirog, Absinthe Algaier, Graduate Studies Office

Kansas Room, KU Union

(Division and department staff only)

12 – 1:30 p.m.

January 27, 2009

Bioscience Day at the Statehouse

KansasBIO and Kansas Biosciences Authority

State Capitol

11 a.m. – 5 p.m.

February 6, 2009

Research and Graduate Studies Convocation and Reception

Alderson Auditorium, KU Union

3 – 5:30 p.m.

March 9, 2009

KU in the Capitol Reception

Ramada Downtown, Topeka

5 – 7 p.m.

April 16, 2009

Graduate Student Research Summit

Charles Curtis State Office Building (Kansas Board of Regents)

1 – 5 p.m.

May 18-21, 2009

BIO International Convention

Atlanta, GA

<http://convention.bio.org/>