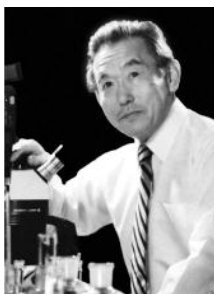


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Higuchi-KU Endowment Research Achievement Awards Go to Lunte, Mandel, Mayhew, Wu



Four KU faculty members have been named recipients of the state's most prestigious recognition for scholarly excellence: the Higuchi-KU Endowment Research Achievement Awards. The four will be recognized on November 2 during a ceremony at the Lied Center of Kansas. Chancellor Bernadette Gray-Little will speak and past Higuchi Award recipients who attend will also be recognized.

Awards are given in four categories: humanities and social sciences, basic sciences, biomedical sciences and applied sciences. Each award is named for former leaders of KU Endowment who played key roles in recruiting Higuchi to KU. Their financial support of KU helped enhance university research throughout the state of Kansas.

This year's recipients are:

Dolph Simons Award in Biomedical Sciences

- Susan Lunte, Ralph N. Adams Distinguished Professor of Chemistry and Pharmaceutical Chemistry

Irvin Youngberg Award for Applied Sciences

- Rolfe Mandel, Professor of anthropology

Balfour Jeffrey Award in Humanities and Social Sciences

- Jonathan Mayhew, Professor of Spanish

Olin Petefish Award in Basic Science

- Judy Wu, University Distinguished Professor of Physics

This is the 31st annual presentation of the awards, established in 1981 by Takeru Higuchi, a distinguished professor at KU from 1967 to 1983, and his wife, Aya. The awards recognize the exceptional long-term research accomplishments of faculty at Kansas Board of Regents universities. Each award includes a citation and a \$10,000 award for ongoing research efforts. The money can be used for research materials, summer salaries, fellowship matching funds, hiring research assistants or other research-related support.

Attendance at the Nov. 2 ceremony is by invitation. More information about the Higuchi-KU Endowment Research Awards is online at <http://www.rgs.ku.edu/higuchiaward/>.

Deadline is October 15 for Level I Strategic Initiative Grant Proposals

Three Level I KU Strategic Initiative grants were awarded to KU faculty in August as a result of the first round of submissions. These awards support innovative, collaborative projects that advance the strategic themes of Bold Aspirations. Proposals are now being accepted for the second round of Level I grants. **The deadline for submitting an application is Monday, October 15, at 5 p.m.** Complete information, and access to the online application form, can be found at the [Provost's website](#). All submissions will be reviewed and awards will be announced in December.

Eminent Danish Geophysicist is Next Bold Aspirations Visiting Lecturer



In August, Provost Jeff Vitter invited the campus to “help in identifying scholars for the Bold Aspirations Visitor and Lecture Series, which will highlight eminent visitors and KU scholars related to the strategic initiative themes.” He encouraged the submission of names of outstanding individuals who might meet with the KU community and give a public lecture, with visits ranging from one or two days to an entire semester or longer.

Next in the series will be Dorte Dahl-Jensen, professor of ice physics at the Niels Bohr Institute at the University of Copenhagen. She will be in Lawrence October 30 to November 9. On Thursday, November 1, she will speak at 5 p.m. at The Commons in Spooner Hall. Her presentation is entitled “Greenland Ice Cores Inform on Past Warm Climate Periods.”

Dahl-Jensen heads the institute’s Centre for Ice and Climate, a collaborator in the multi-national Center for Remote Sensing of Ice Sheets headquartered at KU. Dahl-Jensen and her researchers focus on ice core data to understand the climate of the past, present, and future. She also manages North Greenland Eemian Ice Drilling, the Danish International Polar Year’s ice core drilling program on the Greenland ice sheet.

Dahl-Jensen’s academic background includes M.Sc. and Ph.D. degrees in geophysics from the University of Copenhagen. She joined the university’s Geophysical Institute (now part of the Bohr Institute) in 1989 as an assistant research professor. She became an associate professor in 1997 and a full professor in 2002.

More information about the Bold Aspirations Visitor and Lecture Series is available at the [Provost's web site](#). To propose someone for the series and receive funding and other support from the Office of the Provost, send names, biographical information, and a brief rationale to provost@ku.edu. It is important that the proposal relate to one or more of the four Bold Aspirations [strategic themes](#).

Workshop Encourages Faculty to Seek Guggenheim Fellowships

Michael Engel, professor of ecology and evolutionary biology and senior curator in the Division of Entomology at the Biodiversity Institute, spoke to a group of 21 faculty at a workshop in mid-August about his experience as a Guggenheim Fellow in 2006. He was joined by Kathy Porsch, grant development officer at the Hall Center for the Humanities.

The purpose of the workshop was to encourage applications for the prestigious award. In 2006, Engel was one of 187 recipients chosen from a pool of nearly 3,000 applicants. He used the fellowship at the American Museum of Natural History in New York, studying the geological history of termites.

The 21 participants in the workshop included faculty from 16 different departments: African & African-American Studies, American Studies, Anthropology, Architecture, Chemistry, Design, Economics, Electrical Engineering and Computer Science, English, Geography, History of Art, Music, Philosophy, Physics and Astronomy, Psychology, and Theatre.

According to Becca Peterson, director of research collaborations in the Office of Research and Graduate Studies, “We are aware of at least nine Guggenheim Fellowship applications that were submitted on or before September 19 by KU faculty across the natural and social sciences, the humanities, and the arts. Five of the nine were faculty who attended the workshop.”

2012 State of the State – Kansas Economic Policy Conference is October 18



It's not too late to register for the [Kansas Economic Policy Conference](#), hosted by KU's Institute for Policy & Social Research and scheduled for Thursday, October 18. This year's theme is "The Kansas Economy: Investing in People, Business, and Community."

Keynote speakers for the conference, which opens at 8 a.m. and continues through 2:15 p.m. at the Kansas Union, are, left to right:

Joseph A. Aistrup, Professor, Political Science and Interim Associate Dean, College of Arts and Sciences, Kansas State University; **Erin Sparks**, Senior Policy Analyst, Economic, Human Services & Workforce Division, National Governors Association; and **Kenny Wilk**, Former Kansas State Representative and currently a member of the Kansas Board of Regents and the Kansas Bioscience Authority Board of Directors.

Other panelists include: **Barbara Handelin**, President & Principal, BioPontis Alliance; **Bala Subramaniam**, Director, KU Center for Environmentally Beneficial Catalysis; **Sen. Steve Morris**, President of the Kansas State Senate, Hugoton; **Sen. Jeff King**, Kansas Senate District 15, Independence; **Jeff Hofaker**, President, Kansas Western Rural Economic Development Alliance, and Director, Phillips County Economic Development, Phillipsburg; and **Marty Long**, Grant County Commissioner, Ulysses.

Online registration for the conference is \$45. A satellite location in Ulysses, KS will extend access to the conference to the western end of the state. The conference is organized by IPSR's Center for Science, Technology & Economic Policy, directed by Donna Ginther, professor of economics. Co-sponsors are the Office of the Provost and the Grant County Chamber of Commerce.

Shandarin Receives Templeton Grant for Study of Cosmic Complexity



Sergei Shandarin, a professor of physics and astronomy at KU, is the recipient of a prestigious two-year, \$300,000 grant from the private John Templeton Foundation, part of a broader \$5.6 million award to the University of Chicago.

The overall project – "New Frontiers in Astronomy & Cosmology" – is ambitious. It involves 20 scientists from the U.S. and other countries, as well as 21 high school and college student essayists worldwide. Shandarin's grant is for a research project entitled "The Emergence of Complex Structural Patterns: A Manifestation of Increasing Cosmic Complexity." He is joined by co-investigator Rien van de Weygaert, a professor of astronomy at the Kapteyn Astronomical Institute at the University of Groningen in The Netherlands.

Shandarin will present his winning proposal in Philadelphia during an October 12-13 conference sponsored by the Templeton Foundation, whose goal is to "address four big questions that have potential to expand the boundaries and deepen the foundation of scientific inquiry:

- What was the earliest state of the universe?
- Is our universe unique or is it part of a much larger universe?
- What is the origin of the complexity in the universe?
- Are we alone in the universe? Or, are there other life and intelligence beyond the solar system?"

Shandarin plans to explore the origin of the complexity in the universe by quantifying the structural growth of the universe itself. "Ultimately," he said, "all structure in the universe is the result of the gravitational forces

whose origin lies in the very first moments of the Big Bang. The role of gravity in this molding of the rich and complex patterns found in the universe will be the central focus of this project. Pattern formations of galaxies and stars will be studied in great detail, not only in ordinary three-dimensional space but also in the six-dimensional space.”

Shandarin came to KU 1991 from the P. L. Kapitza Institute for Physical Problems, Russian Academy of Sciences. He previously spent 12 years as a junior research fellow at the Keldysh Institute of Applied Mathematics, Russian Academy of Sciences. His academic background includes a Ph.D. degree from the Moscow Institute of Physics and Technology (supervised by the internationally known physicist Yakov B. Zeldovich) and a senior doctorate from the Lomonosov Moscow State University.

KU is encouraging faculty to seek funding from private foundations in support of their research. The Office of Research and Graduate Studies created a position to support such grant proposals, and Becca Peterson was named director of research collaborations earlier this year. She worked with Shandarin to identify and pursue the Templeton Foundation award.

. Inaugural KU Entrepreneurship “Boot Camp” a Success, Attracts 200



The KU Center for Technology Commercialization hosted a free, all-day workshop at The Oread on October 9. It was designed to introduce faculty, staff, and students to the fundamentals of entrepreneurship. Described as a “boot camp,” the workshop clearly met a demand: registration reached the enrollment capacity in late September and 200 attended.

“We call it a boot camp because it’s basic training for anyone interested in the topic,” said Julie Goonewardene, associate vice chancellor for innovation and entrepreneurship. Participants learned how the company startup process works at KU. They also learned how to raise investment capital, how to protect and

value intellectual property, and what resources are available at KU to provide assistance to inventors.

One feature of the workshop was the opportunity for private one-on-one coaching sessions. Fifteen participants took advantage of the opportunity to discuss an idea or business plan.

In addition to Goonewardene and Provost and Executive Vice Chancellor Jeff Vitter, presenters at the workshop were:

- **Phyllis Whiteley**, President and CEO, Didimi, Inc., Berkeley, Ca.
- **Mike Pellegrino**, President, Pellegrino & Associates, Indianapolis and San Jose, Ca.
- **Becky Voorheis**, Vice President, ApeX Therapeutics, Indianapolis
- **Susan Rowinski**, Principal, Sue Rowinski Group LLC, San Mateo, Ca.
- **Robert Herrington**, Founder and Former Chairman and CEO, Horizon Analog, Inc., Lawrence

Frank Kruse, vice president of the Bioscience & Technology Business Center, spoke at lunch about the BTBC and how it can help KU entrepreneurs.

Given the strong response to this first workshop, Goonewardene expects KU will offer it again in the future, and may also open it to the wider community. “Entrepreneurship is a key to a strong, more diversified economy,” she said. “As the state’s leader in research and technology invention, KU plays a major role in fostering the innovation that can help Kansas grow.” The Boot Camp web site remains active at <http://www.rgs.ku.edu/news/kubootcamp.shtml>

Museum Exhibition, Lecture to Recognize Legendary Dyche November 4



Lewis Lindsay Dyche (1857-1915), namesake of KU's Dyche Hall, thrilled audiences nationwide with his skill in creating natural history displays and his grand lectures about polar explorations and other adventures. Many of the glass slides displayed during his "magic lantern" talks, as well as many more that detail his prowess as a taxidermist, have not been seen by the public in more than 100 years.

An exhibition entitled "L. L. Dyche's 'Magic Lantern' Revisited" opens Sunday, November 4 at the Natural History Museum in Dyche Hall and will continue through April. An opening reception for current and prospective members of Friends of the Museum begins at 6 p.m. To RSVP, call (785) 864-4450 by October 31.

The reception precedes a special event at The Commons in Spooner Hall, starting at 7 p.m.

"The Adventures of Lewis Lindsay Dyche and the Advent of Kansas Conservation" will focus on the career and vision of this larger-than-life figure. He was a driving force in the establishment of the Museum, a witness to the Peary-Cook race to the North Pole, creator of the popular wildlife panorama at the 1893 World's Fair, and a pioneer in laws for wildlife conservation. The event, organized by the Kansas Memorial Union and kuhistory.com, is free and open to the public.

Bill Sharp, an assistant director of research administration at KU and co-author of the definitive Dyche biography, *The Dashing Kansan*, will speak, as will Chris Shrack of the Kansas Department of Wildlife, Parks and Tourism. Also featured will be Leonard Krishtalka, director of the KU Biodiversity Institute, and a special guest: Lewis Lindsay Dyche himself (interpreted by actor Chris Roady). A book signing and coffee reception will follow the program.

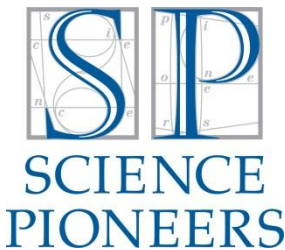
Robin Rowland to Speak October 24 on "Obama's Rhetoric and the 2012 Election"



Robin Rowland, professor of communication studies at KU, is the next speaker in the Humanities Lecture Series, hosted by the Hall Center for the Humanities and sponsored by Friends of the Hall Center. He will speak on Wednesday, October 24 at Woodruff Auditorium in the Kansas Union. His topic is "From Hope to Audacity: The Evolution of President Barack Obama's Rhetoric and the 2012 Election." The program is free and open to the public.

The Hall Center notes that "Barack Obama built a reputation as the most eloquent public leader since Ronald Reagan, beginning with his Keynote Address at the 2004 Democratic National Convention and culminating with a series of moving addresses in the 2008 presidential campaign, in which he promised to bring Hope and real Change. But as President, Obama has faced both a devastating economic crisis and intractable opposition, leaving some to conclude that he had lost his rhetorical magic. Rowland argues that Obama's rhetoric has just evolved: the arc has moved from impassioned appeals that created a new sense of Hope, to an audacious call to reaffirm basic fairness in American economic life and therefore save the American Dream."

Inspire a Future Scientist: Volunteer for Meet the Science Mentor Day



Meet the Science Mentor Day, presented by Kansas City-based Science Pioneers, is a November 3 showcase of professional STEM research and projects. At this event, scheduled from 8 a.m. to noon at the University of Missouri-Kansas City Student Center, STEM professionals will display workplace examples as models of scientific inquiry.

The overall purpose of the event is to give students in grades 4-12 the opportunity to ask professional scientists and engineers questions about such things as alternative approaches to their research problems, the feasibility of their studies, and their experimental designs. While viewing the presentations of the STEM displays, students will see real-time scientific inquiry in action.

KU researchers are invited to participate in Meet the Science Mentor Day. Participants come from the seven-county region and are some of the smartest pre-college students you'll ever meet. It's an opportunity to inspire these students to consider careers in science, technology, engineering, and math.

Presenters may use displays or posters presented previously at professional conferences. The students move from table to table to talk individually with researchers.

The deadline to apply for Meet the Science Mentor Day is October 19, using the form located at http://rgs.ku.edu/news/science_pioneers_form.pdf. More information About Science pioneers is at <http://www.sciencepioneers.org/>.

Shakespeare Scholar is Humanities Lecture Series Speaker on November 14



Stephen Greenblatt, author of *Will in the World* and other works on William Shakespeare, is the next speaker in the Humanities Lecture Series, hosted by the Hall Center for the Humanities with support from the Sosland Foundation of Kansas City. Greenblatt's Wednesday, November 12 presentation is at 7:30 p.m. at Woodruff Auditorium in the Kansas Union. He will focus on his latest book, *The Swerve: How the World Became Modern*, recipient of the 2011 National Book Award for nonfiction. The program is free and open to the public.

Greenblatt is the John Cogan University Professor of the Humanities at Harvard University and general editor of the *Norton Shakespeare*. He is regarded as the father of New Historicism, a form of critical theory that seeks to unite literature, historical context, and cultural theory. He is the author of 12 books about Shakespeare, the Renaissance, and early modern culture. His most recent work demonstrates how something as seemingly insignificant as a poem could influence the cultural world. Greenblatt argues that the copying and translation of Lucretius' *On the Nature of Things* fueled Renaissance artists, shaped the thoughts of thinkers from Galileo to Einstein, and influenced writers from Montaigne to Shakespeare to Thomas Jefferson.

Training: "NSF Day" at the University of Nebraska-Lincoln November 8



The National Science Foundation and the University of Nebraska-Lincoln will hold a one-day workshop on Thursday, November 8. This "NSF Day" event – similar to one held at KU in 2010 – is designed primarily for researchers and educators who are less experienced in proposing to the NSF. However, more experienced proposers and NSF grantees may well find the workshop useful and informative.

The workshop will provide an overview of NSF and its mission, priorities, and budget. It will cover the NSF proposal and merit review process and NSF programs that cut across disciplines. Additionally, representatives from the seven NSF directorates and the Office of International

Science and Engineering and the Office of Integrative Activities will make presentations on their programs and will also be available informally and in breakout sessions for discussions of potential research proposals.

The workshop will be held at the Nebraska Union on the City Campus in downtown Lincoln. The registration fee is \$35, and you can [register at the NSF web site](#) by November 1. Attendance is limited.

Training: NCURA Video Workshop Examines Process Improvement Strategies

The Office of Research and Graduate Studies offers research-related video workshops on a regular basis during the year. The National Council of University Research Administrators (NCURA) produces the programs on a variety of relevant topics and RGS offers them to the campus at no charge.

The next NCURA video workshop will be shown Thursday, November 8, from 1-4:30 p.m. at the auditorium in the Simons Research Labs on the West Campus Research Circle. The topic is “How to Apply Process Improvement Strategies to Research Administration.” The session will cover how to approach process improvement, strategies used in decision-making, obtaining resources, and tools to define system requirements. Case studies of process improvement in the research administration area will be explored including system-to-system grant submissions, agency invoicing and reporting, electronic archiving, sophisticated reporting tools for key metrics, and responding to unintended consequences.

Moderator for the workshop will be Robert Lowman, associate vice chancellor for research at the University of North Carolina at Chapel Hill. He will be joined by panelists Kim Moreland, associate vice chancellor for research administration, University of Wisconsin-Madison, and Andrew Chase, corporate director, research management and research finance, Partners Healthcare.

New NSF Proposal and Awards Guide Means Significant Changes in January

NSF has just issued a new Proposal & Award Policies and Procedures Guide (PAPPG), (NSF 13-1 that will be effective for all proposals submitted on or after January 14th. A summary of all changes may be found at http://www.nsf.gov/pubs/policydocs/pappguide/nsf13001/gpg_sigchanges.jsp.

The significant changes that will affect PIs include:

1. The Project Summary section will include three separate text boxes to be completed through FastLane where the “Intellectual Merit” and “Broader Impacts” statements will be clearly identified. The Project Summary will include the overview and the two merit review criteria sections and must be contained within the one-page limit.
2. The Project Description section must now include a separate section within the narrative that describes the broader impacts of the project. In addition, the Intellectual Merit and Broader Impact statements from Prior NSF Support must be identified in separate sections in the summary of Results from Prior NSF Support.
3. NSF Review Criteria has been renamed “Merit Review Principles and Criteria.” The Postdoctoral Mentoring Plan instructions have moved to Chapter II.C.2.j. Other language in this section has been modified to conform with recommendations from the National Science Board.
4. In the Biographical Sketch section, the “Publications” section has been renamed “Products” with a broader definition for Products that will include data sets, software, patents, and copyrights, in addition to publications.
5. F&A costs are always to be included in accordance with the institution’s federally negotiated rates, unless the NSF program solicitation direct otherwise.
6. The Facilities and Other Resources section has been reformatted to combine internal and external resources available to the project, as well as to conform to the NSF cost sharing policy.
7. The Participant Support section has been modified to allow F&A to be collected in some specific cases if negotiated with NSF in advance.
8. There is a clarification now that foreign subawardees may not recover F&A, unless they hold a previously negotiated rate agreement with a U.S. Federal agency.

Other administrative changes that will affect certifications and registration in the new System for Award Management (SAM) will be managed by KUCR. Please read the new guidelines for each program that you will be submitting to very carefully, as many small changes have also been incorporated.

Upcoming Events

News of interest to the research community. Additional details are available at the [KU Calendar](#).

Through November 14

Workshop: "Research Administration 101"
2:30 – 4:30 p.m. on consecutive Wednesdays
Auditorium, Simons Research Labs

October 12

Sigma Xi First Annual KU Postdoctoral
Researcher Colloquium
1 – 4 p.m.
Auditorium, Simons Research Labs

Dedication Ceremony: Measurement, Materials
and Sustainable Environment Center (M2SEC)
1:30 p.m.
School of Engineering

October 15

Deadline: Strategic Initiative Grant Program
Level I Proposals
5 p.m.

October 18

2012 State of the State – Kansas Economic Policy
Conference: "The Kansas Economy: Investing in
People, Business, and Community"
8 a.m. – 2:15 p.m.
Kansas Union and Pioneer Communications, Ulysses

October 24

Idea Café at The Commons: "*Silent Spring* 50 Years
Later: Is It Still Relevant?," Rob Nixon, University
of Wisconsin-Madison
Noon
The Commons, Spooner Hall

Humanities Lecture Series: "'From Hope to Audacity:
The Evolution of President Barack Obama's Rhetoric
and the 2012 Election,'" Robin Rowland
7:30 – 9 p.m.
Woodruff Auditorium, Kansas Union

November 1

Bold Aspirations Visiting Lecturer: Dorthe Dahl-Jensen,
"Greenland Ice Cores Inform on Past Warm Climate
Periods"
5 p.m.
The Commons, Spooner Hall

November 2

Presentation: Higuchi-KU Endowment Research
Achievement Awards
Lied Center

November 3

Meet the Science Mentor / Professional Research and
Project Development Displays
8 a.m. – Noon
Student Center, University of Missouri-Kansas City

November 4

Exhibition Opening: L. L. Dyche's "Magic Lantern"
Revisited
6 – 7 p.m.
Natural History Museum, Dyche Hall
"The Adventures of Lewis Lindsay Dyche and the
Advent of Kansas Conservation"
Presenters: Bill Sharp, Chris Roady
7 – 9 p.m.
The Commons, Spooner Hall

November 8

NCURA Workshop Video: "How to Apply Process
Improvement Strategies to Research Administration"
1 – 4:30 p.m.
Auditorium, Simons Research Labs
National Science Foundation "NSF Day" Workshop
7:30 a.m. – 4:30 p.m.
University of Nebraska-Lincoln

November 11

Veterans Day Run for KU Wounded Warrior Scholarship Fund and KU Memorials Fund
Sponsored by KU Veterans Alumni Chapter and the Collegiate Veterans Association

9 a.m.

South Park, Lawrence

November 14

Humanities Lecture Series: "The Swerve: How the World Became Modern," Stephen Greenblatt

7:30 – 9 p.m.

Woodruff Auditorium, Kansas Union

November 16

BTBC Entrepreneur Education Series: "Strategic Planning: Putting Your Business Plan Into Action,"
Shane Jones, CEO, The Astra Group

4 p.m.

Bioscience & Technology Business Center

December 13

Thursday Research Topics: "Using the Greenphire Process to Pay Human Research Participants via Debit Card"

11:10 a.m. – Noon

Auditorium, Simons Research Labs

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