

**THE GRADUATE SCHOOL PRESENTS
THE TENTH ANNUAL
SPRING RESEARCH SYMPOSIUM**



Wednesday, March 29, 2006

Events at a Glance

8:30 – 11:00

Morning Workshop

Twelve Keys to Successful Grantwriting

Speaker Bob Lowman, Assoc. Vice Chancellor for Research & Adjunct Assoc. Professor of Psychology at The University of North Carolina at Chapel Hill.

Location: 2nd floor, Morris University Center, (room to be announced)

11:00 – 5:00

Authors' Display

Featuring Publications by SIUE Faculty

Hosted by Stephen Kerber, University Archivist & Special Collections Librarian, and Amanda Bahr-Evola, Archives Specialist

Locations & Times:

11:00 – 1:15 Meridian Ballroom, MUC (during the Simon Luncheon)

1:30 – 4:00 Hallway outside of the Conference Center
Rooms, 2nd floor, MUC (during the Student Symposium)

4:30 – 5:30 University Restaurant, 2nd floor, MUC
(during the Researcher's Reception)

11:30 – 1:15

Paul Simon Outstanding Scholar Award Luncheon

- Presentation, "The Ivory Tower in a Flat World" by the 2005 Awardee, Marvin Finkelstein, Professor in the Department of Sociology & Criminal Justice.
- Announcement of the 2006 Awardee.
- Student poster presentations

Location: Meridian Ballroom, Morris University Center

1:30 – 4:00

Afternoon Workshop

*How to Get Your Manuscript
Published*

Speaker Karen L. Dodson,
Director and Managing Editor,
Academic Publishing Services;

[SIUE Students Have Chance to Win iPod-Nano, page 2](#)

[Multidisciplinary Research Teams Created by IUR, page 3](#)

[Hoppe and Lindsay Research Professor Awards Deadline Approaches, page 3](#)

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TENTH ANNUAL SPRING RESEARCH SYMPOSIUM *CONTINUED*

Managing Editor, *American Journal of Physiology: Endocrinology and Metabolism*,
Washington University School of Medicine

Location: 2nd floor, Morris University Center, (room to be announced)

1:30 – 4:00

Graduate Student Research Symposium

Students present research papers, posters, exhibits and performances before an audience of faculty, staff, and fellow students

Location: 2nd floor, Morris University Center & Meridian Ballroom

[Current SIUE students who attend one or more presentations will be eligible to enter a drawing for an iPod-Nano. See article below.]

1:30 – 4:00

Individual Appointments with Bob Lowman

Talk to grants expert Bob Lowman about proposals, getting funding, etc. Contact Lil Manning at limanni@siue.edu for an appointment.

Location: 2nd floor, Morris University Center, (room to be announced)

4:30 – 6:00

Chancellor's Researchers' Reception

Hosted by Chancellor Vaughn Vandegrift

Honoring faculty & staff who submitted external grants from 3/1/2005 – 2/28/2006

[Invitations for this event will be mailed separately.]

Location: University Restaurant, Morris University Center

Invitations to some of the Symposium events will be distributed in early March.

To sign-up for the workshops or for more information about other scheduled events, contact Linda Skelton, Graduate Studies & Research, extension 2958 or lskelto@siue.edu.

SIUE STUDENTS HAVE CHANCE TO WIN AN IPOD-NANO AT THE SPRING RESEARCH SYMPOSIUM

To encourage attendance at the Graduate Student Research Symposium, the Graduate School will offer students a chance to win an iPod-Nano. Current SIUE students who attend one or more student presentations during the afternoon of Wednesday, March 29th, are eligible for the drawing. First prize will be an iPod-Nano, and second prize will be an SIUE sweatshirt.

Please encourage your students to attend these presentations. Not only will they have a chance to win a prize, but they will also enjoy hearing about the research of fellow students.

Faculty and staff are also welcome to attend the Student Symposium. There will be many different presentations to choose from, poster presentations, and refreshments throughout the afternoon.



All presentations will be located in the Morris University Center from 1:30 – 4:00 p.m., Wednesday, March 29th. Programs will be available at the event.

For more information about Spring Research Symposium events, contact Linda Skelton at extension 2958 or at lskelto@siue.edu.

FOCUS ON RESEARCH —

INSTITUTE FOR URBAN RESEARCH SPONSORS THREE MULTIDISCIPLINARY RESEARCH TEAMS



As the result of discussions during the Fall Semester with the members of its Coordinating Council, the staff of the Institute for Urban Research (IUR) investigated the feasibility of creating multidisciplinary research teams that would focus their investigations in one of the following areas:

- Urban Education,
- Urban Transportation Systems,
- Urban Development,
- Reintegration of Ex-Offenders,
- Lead Contamination, and
- Access to Health Care.

The Institute has the resources to sponsor up to three multidisciplinary teams over the next two fiscal years (FY06 and FY07). The Institute will provide \$25,000 per year as well as staff support to coordinate and facilitate the activities of each of the teams that the IUR sponsors.

After meeting with faculty groups during the latter part of Fall Semester 2005 and early part of Spring Semester 2006, the Institute has created the following research teams.

COMMUNITY AND URBAN DEVELOPMENT

Mary Ann Boyd, School of Nursing
T.R. Carr, Public Administration and Policy Analysis

Ann Dirks-Linhorst, Sociology and Criminal Justice

Drew Dolan, Public Administration and Policy Analysis

Emily Krohn, Psychology

Morris Taylor, Public Administration and Policy Analysis

Jeannie Theis, St. Louis County Courts

Anne Valk, Historical Studies

The liaison for this group with the staff of the Institute is T.R. Carr. Rhonda Penelton has been assigned to the team as its IUR Coordinator. The initial focus of the team's research is the development of more effective community-based organizations.

URBAN EDUCATION

Michael Afolayan, Curriculum and Instruction

Marie Byrd-Blake, Educational Leadership

John Hunt, Educational Leadership

Robert LeAnder, Electrical and Computer Engineering

The liaison for this group is Marie Byrd-Blake. Kelly Faust has been assigned to the team as its IUR Coordinator. The initial focus of the team's research is the effect of the No Child Left Behind Act on Teacher Behavior and Motivation.

LEAD CONTAMINATION IN URBAN ENVIRONMENTS

Venessa Brown, Social Work
Richard Brugam, Biological Sciences

Shunfu Hu, Geography

Luci Kohn, Biological Sciences

Zhiqing Lin, Biological Sciences

William Retzlaff, Biological Sciences

Kim White, Family Health and Community Health Nursing

The liaison for this group is Bill Retzlaff. Hugh Pavitt has been assigned to the team as its IUR Coordinator. The initial efforts of the team's research are on the sources of lead contamination in the region, the distribution of those lead concentrations, and the relationships between blood lead levels and the diagnosis of ADHD in children.

More information on the Institute for Urban Research, its mission, goals, objectives, and other activities related to SIUE research on urban problems and issues may be obtained by visiting the Institute's webpage (www.siu.edu/IUR).

Reminder –

HOPPE RESEARCH PROFESSOR / VAUGHNIE J. LINDSAY RESEARCH PROFESSOR AWARDS

**Application Deadline: To School or College by
March 17, 2006**

The Hoppe/Lindsay Research Professor Awards are made to SIUE faculty members in order to recognize and support individual programs of research or creative activities. These Awards recognize faculty whose research or creative activities have the promise of making significant contributions to their fields of study. Recipients are expected to produce published scholarly works and externally-sponsored grants.

PROGRAM AND APPLICATION ANNOUNCEMENTS

For more information about these programs, contact Lillian Manning at extension 3114 or limanni@siue.edu. The Office of Research and Projects (ORP) staff usually asks that you submit a proposal at least five days in advance of the agency deadline date. Contact Cindy Fulton at extension 3164 or cfulton@siue.edu for any registration assistance you need for electronic proposal submission. The website addresses listed, unless otherwise indicated, must have added "http://" at the beginning of the address.

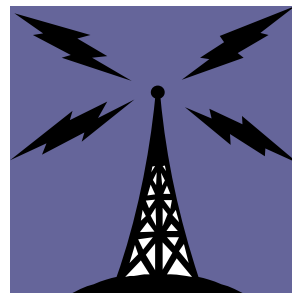
NEH Fellowships

National Endowment for the Humanities (NEH) Fellowships support individuals pursuing advanced research in the humanities that con-

tributes to scholarly knowledge or to the general public's understanding of the humanities. An award of \$24,000 supports a six- to eight-month grant period; an award of \$40,000 supports a nine- to twelve-month grant period. The application deadline is May 1, 2006. The website for more application information is www.neh.gov/grants/guidelines/fellowships.html.

Fulbright Scholar Program

The traditional Fulbright Scholar Awards for 2006-2007 in 140 countries are now available. Each year the program sends 800 U.S. faculty and professionals abroad for lecturing and conducting research in a wide variety of academic and professional fields. The application deadline is August 1, 2006. Applications are accepted online or in hard copy form. The



website for full application information is www.cies.org.

NEA Access to Artistic Excellence

The National Endowment for the Arts (NEA) Access to Artistic Excellence encourages and supports artistic creativity, preserves our diverse cultural heritage, and makes the arts more widely available in communities throughout the country. Most grant awards will range from \$10,000 to \$100,000. The deadlines are March 13 and August 14. The

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NSF DOCUMENTS AVAILABLE ONLINE

The National Science Foundation (NSF) Online Document System has publications available at http://www.nsf.gov/publications/pub_summ.jsp?ods_key=plug_in_the_letters_and_numbers_within_the_parentheses. The following is a listing of just some of the recent documents that are available.

- NSF Active Funding Opportunities—listing of deadline dates (URL: www.nsf.gov/funding/pgm_list.jsp?org=NSF&ord=date). Also links to NSF Grant Proposal Guide, Guide to Programs, and other pertinent information.
- Worksheet for Electronic Publication of NSF Documents (bcstutorial05)

- NSF Current—February 2006 (cu0206)
- Research and Evaluation on Education in Science and Engineering-REESE (nsf06537)
- International Polar Year-IPY (nsf06534)
- Theoretical Foundations 2006 (nsf06542)
- Science and Engineering Indicators 2006 (nsb0601)
- America's Pressing Challenge-Building a Stronger Foundation: A Companion to Science and Engineering Indicators 2006 (nsb0602)
- Math and Science Partnership Program: Strengthening America by Advancing Academic Achievement in Mathematics and Science (nsf05069)



- NSF FY2007 Budget Overview Held Feb. 6 (ma06002)
- FY2007 Budget Request to Congress (budreqfy2007)
- Request for National Science Foundation Fiscal Year 2007 Is \$6.02 Billion (pr06022)
- Outbreak—Rapid Appearance of Fungus Devastates Frogs, Salamanders in Panama (pr06020)
- Making Sense of Plant Smells (pr06030)
- Excavated Teeth Likely Came from First Africans Brought to the New World (pr06019)

PROGRAM ANNOUNCEMENTS *CONTINUED*

website for application information is www.grants.gov/search/search.do?mode=VIEW&oppId=7554.

NSF Math, Social, and Behavioral Sciences (MSBS)

The National Science Foundation (NSF) invites proposals for projects that advance the mathematical or statistical foundations of research in the social, behavioral, or economic sciences. The application deadline is April 20, 2006. The website is www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf06531.

Justice-Related Health Disparities

The National Institute on Drug Abuse (NIDA) invites applications for research on health disparities among African Americans that are related to disproportionate involvement in the criminal justice system. The program seeks epidemiologic, prevention, treatment, and services research on drug abuse as a cause, correlate, or consequence of criminal justice related health disparities, specifically the extent to which criminal justice involvement and HIV/AIDS are intertwined. The upcoming deadlines are June 1, October 1, or AIDS receipt dates. The website is <http://grants1.nih.gov/grants/guide/inds.htm> (search for PA-06-068).

NSF International Research and Education: Planning Visits and Workshops

National Science Foundation (NSF) International Planning Visit/Workshop Awards can support the initial phases of developing and coordinating integrated research and education activities with foreign partners. Support is primarily for travel and subsistence expenses; salaries and stipends are not typically supported. The application deadlines for workshops are May 20, September 20, and February 20; appli-

cations for planning visits are accepted anytime. The website is www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf04035.

American Nurses Foundation Nursing Research Grants

The purpose of the American Nurses Foundation (ANF) Nursing Research Grants Program is to encourage the research career development of all nurses. Awards are given in all areas of nursing. Grants have ranged from \$3,500 to \$20,000. The application deadline is May 1, 2006. The website for more information is www.nursingworld.org/anf/nrggrant.htm.

Research Corporation Cottrell College Science Awards

The Cottrell College Science Awards support significant research that contributes to the advancement of science and to the professional and scholarly development of faculty at undergraduate institutions along with their students. The principal investigator must have a faculty appointment in a department of chemistry, physics, or astronomy. Awards average about \$35,000. Target dates for applying are May 15 and November 15. The website is www.rescorp.org/ccsa/ccsa.htm.

UIUC Russian and East European Center

The Summer Research Laboratory on Russia, Eastern Europe, and Eurasia (SRL) is a program for scholars to conduct advanced research in this field. Associates are given full access to the collection and resources of the University of Illinois Library, the largest Slavic collection west of Washington, DC. The application deadline is April 15, 2006. The website is www.reec.uiuc.edu/srl/srl.html.

NIH Biomedical Informatics

The National Library of Medicine solicits proposals for research in biomedical informatics and bioinformatics, research that intersects information and computer sciences and applications in health care delivery, basic biomedical research, and health services research. The application deadline is June 1, 2006. The website is grants1.nih.gov/grants/guide/pa-files/PA-06-094.html.

American Philosophical Society Lewis and Clark Fund

The American Philosophical Society (APS) announces the Lewis and Clark Fund to encourage exploratory field studies for the collection of specimens and data and to provide the imaginative stimulus that accompanies direct observation. Applications are invited from disciplines with a large dependence on field studies, such as archeology, anthropology, astrobiology and space science, biology, ecology, geography, geology, oceanography, and paleontology, but grants will not be restricted to these fields. Grants are available to graduate students, post-doctoral students, junior and senior scientists, and social scientists who wish to participate in field studies for their theses or for other purposes. Undergraduates are not eligible. Amounts will depend on travel costs but will ordinarily be in the range of several hundred dollars up to about \$5,000. Applications may be submitted at any time, and the Committee for the Lewis and Clark Fund will evaluate applications several times dur-

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AWARDED AND SUBMITTED GRANTS AND CONTRACTS JANUARY 12, 2006—FEBRUARY 23, 2006

Awarded

Frank Akers

Arts and Sciences
“FY2006 Radio Community Service Grant (CSG)”
Corporation for Public Broadcasting,
\$11,140

Mal Goldsmith

Education
“Live Free- Tobacco Free”
Illinois Department of Public Health/
SIUC, \$15,000

Shunfu Hu

Arts and Sciences
“GIS Database of Street Centerlines
for Franklin County, Missouri”
SAIC, Inc., \$12,059

Kevin Hubbard

Engineering
“Development of a Mobile Human
Powered Vehicle”
Legendary Builders, \$4,514
“Design and Development of a Novel
Apparatus for Drawing Perpendicular
Lines”
Mark Renko, \$896

Dennis Kitz

Arts and Sciences
“Better Understanding of Fluconazole Effects on Host Immune Response to Improve Treatment for Candidal Heart Infections”
Fraternal Order of the Eagle's Max Baer Heart Fund, \$5,000

Kristine Polo

Business
“Quick Books Setup and Training”
The Blessing Basket Project, \$752

Jennifer Presley

Engineering
“SRI Study of Teacher Induction”
SRI International (funded by The Joyce Foundation), \$34,828

Debra Schwenk

Dental Medicine
“Dental Care for Developmentally Disabled Program”
Illinois Children's Healthcare Foundation, \$88,200

Madhav Segal

Business
“Flake-Wilkerson Sponsored SBC-MMR Internship”

Flake-Wilkerson Marketing Insights, \$12,430
“Doane Marketing Research-MMR Internship”
Doane Marketing Research,
\$12,430

Nahid Shabestary

Arts and Sciences
“Gemini Surfactant Clay Intercalates for Triphase Catalysis”
ACS - Petroleum Research Fund,
\$50,000

Paul Shetley

Arts and Sciences
“Program Improvement Grant”
Illinois Community College Board,
\$23,249

Margaret (Peg) Simons

Arts and Sciences
“The Beauvoir Series”
The University of Illinois Press and
The French Ministry of Culture,
\$15,000

Marian Smith

Arts and Sciences
“GIS database for Boltonia decurrens”
Illinois Department of Natural Resources, \$25,000

Morris Taylor

Arts and Sciences
“Internship”
East St. Louis Housing Authority,
\$4,092

Cory Willmott

Arts and Sciences
“Clothed Encounters: Great Lakes Algonquian Dress in Intercultural Relations, 1760-1930”
American Museum of Natural History, \$1,500

PROGRAM ANNOUNCEMENTS *CONTINUED*

ing the year. The website for application information is www.amphilsoc.org/grants/lewisandclark.htm.

Spencer Foundation

The main mission of the Spencer Foundation is to investigate ways in which education can be improved around the world. The Major Research Grants Program supports research projects requiring more than

\$40,000; the Small Research Grants Program supports projects of one year or less that require no more than \$40,000 to complete. The websites are www.spencer.org/programs/grants/major_grants.htm and www.spencer.org/programs/grants/small_grants.htm. Preliminary proposals for the Major Research Grants may be submitted at any time. Proposals for the Small Research Grants may be submitted at any time.

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AWARDED GRANTS *CONTINUED*, SUBMITTED GRANTS

Ronald Worthington and

Sharon Hahs

Pharmacy

“Assay Development for a Biosensor to Minimize Antibiotic Use in Corn-to-Ethanol Manufacturing”

National Science Foundation,
\$213,288

Submitted

Donald Baden

Education

“AmeriCorps/East St. Louis: 2006-09”

DHS- Division of Community Health and Prevention, \$834,850

Camillia S. Banks

University Service to East St. Louis

“FY 2005/2006 Supplemental Funds for 2nd National Head Start Hispanic Institute”

Department of Health & Human Services-Administration for Children, Families, & Youth, \$2,000

Rodney Bothast and

Martha Schlicher

Ethanol Research Center

“Ready Determination of DDGS Nutritional Value”

CFAR, \$149,739

“Optimization of Ethanol Production for Industry”

Consortium for Plant Biotechnology Research, \$653,750

David Cluph

Education

“Lesson Study as a Form of Physical Education Teacher Education Professional Development”

Illinois Association of Health Physical Education Recreation and Dance, \$510

Virginia Cruz

Nursing

“Personality, Coping, and Service among Male Dementia Caregivers”

National Alzheimer's Association, Chicago, Illinois, \$30,823

Denise DeGarmo

Arts and Sciences

“Movers, Shakers and Policy Makers: The Entrepreneurial Origins of the Atomic Bomb”

Franklin and Eleanor Roosevelt Institute, \$2,380

David Duvernell, Chris Theodorakis, and Tom Fowler

Arts and Sciences

“Acquisition of DNA Sequence and Fragment Analysis Instrumentation to Support Research and Education”

National Science Foundation,
\$132,194

George Engel

Engineering

“Development of a Pulse Shape Discrimination CMOS ASIC”

National Science Foundation,
\$198,191

Michael Grossman

Arts and Sciences

“Typhoons and Climate Change in Central and Western Japan in the 17th-19th Centuries”

NEAC Small Grants Program Association for Asian Studies, \$2,000

Kevin Johnson

Arts and Sciences

“Acquisition of a GC-LC-MS/MS for Multi- and Interdisciplinary Research and Education”

National Science Foundation,
\$292,137

Ali Kutan

Business

“Market Reforms, Growth and Trade in the Central Asian and Caucas Economies”

The William Davidson Institute,
\$20,000

“Capital Flight in the Central Asian and Caucas Economies”

The William Davidson Institute,

\$20,000

“Reforms, Capital Flight and Growth: Balkans, Central Asia and the Caucasus”

The National Council for Eurasian and East European Research, \$69,965

Koung Hee Leem

Arts and Sciences

“Preconditioned (F*F) 1/4 Method in Inverse Obstacle Scattering”

Association of Women in Mathematics (AWM), \$1,300

Majid Molki

Engineering

“Condensation of Ozone-Friendly Refrigerants and Oil/Refrigerant Mixtures”

National Science Foundation,
\$478,322

Linda C. Morice

Education

“Claiming Her Freedom: Flora White (1860-1948)”

Massachusetts Historical Society (Ruth R. & Alyson R. Miller Fellowship), \$2,000

Anthony Neal

University Service to East St. Louis

“Obesity in Youth 06/07”

Toshiba America Foundation,
\$10,000

“Migration to East St. Louis 1900-1980”

Hewlett Packard Foundation, \$2,500

Kurt Schulz

Arts and Sciences

“Impacts of Leafminer Herbivory on the Reproductive Output and Potential Recovery of *Dirca palustris*”

American Philosophical Society, Lewis and Clark Fund, \$5,426

John Smith and

Cynthia Schroeder

Education

“The Accuracy of the Pedometer during Various Locomotor

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SUBMITTED GRANTS *CONTINUED*

Movements and Relationship with Metabolic Cost”
IAHPERD Jump Rope for Heart,
\$3,748

Susan D. Wiediger

Arts and Sciences
“Using Cognitive Load Theory to Design and Assess Questions and Problem Solving Strategies”
University of Iowa, \$61,476

Lorraine Williams, Anne Perry, and Rita Sander

Nursing
“SNAP-Student Nurse Achievement”
HRSA: Nursing Diversity Workforce Grant, \$207,247

Ken A Witt

Pharmacy
“Somatostatin Agonist Treatment for Cognitive Aging and Dementia”

National Institute of Aging,
\$393,250
“Estrogen Modulation, Ischemic Stress, and the Blood-Brain Barrier”
National Institute of Neurological Disease and Stroke, \$1,772,450

