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# RESEARCH MATTERS

Vol. 35, No. 9, Sept. 2008 ♦ Office of Research Development and Administration ♦ Editor: Joel Fritzer

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## OF SPECIAL NOTE

### New Undergraduate Research Program: Research Rookies

Faculty: Please tell interested freshmen about SIUC's newest program to promote undergraduate research: the **Saluki Research Rookies Program (SRRP)**. Funds will be provided on a competitive basis for high-achieving students interested in **conducting research and learning more about their intended major**. The goal is to engage freshmen in faculty-mentored research projects to take place in spring semester 2009. The purpose is to improve the retention and graduation rates of promising, high-achieving first-year students by providing the academic and psychosocial support necessary to facilitate a seamless transition from high school to the sophomore year of college.

Information about the program, eligibility, selection criteria, benefits, and more is available at [www.siu.edu/orda/Research\\_Rookies\\_Flyer2.pdf](http://www.siu.edu/orda/Research_Rookies_Flyer2.pdf). Applications are available at [www.siu.edu/orda/Research\\_Rookies\\_Application2008.pdf](http://www.siu.edu/orda/Research_Rookies_Application2008.pdf). Students will receive a \$150 book award in January and, if they successfully complete the program, a \$350 scholarship at the end of the spring semester. Applications will be accepted through **October 2008**. Students interested in applying to the program need to contact Julia Spears (453-4585, [jspears@siu.edu](mailto:jspears@siu.edu)).

### Going Green

If you would like to reduce the paper that ends up in your inbox and/or be able to read each issue of *Research Matters* moments after it is posted online, send an e-mail to [jcfritz@siu.edu](mailto:jcfritz@siu.edu) with a request to be removed from the *Research Matters* print mailing list and/or to be added to the *Research Matters* e-mail notification list. And here's a special notice from Information Technology's newsletter, *Dawgbytes*: **Save energy! Turn your monitors and printers off at the end of the day.**

## RESEARCH DIGEST

### NSF Seeks Comments on Cost Sharing

—excerped from *NCURA's Report on Research Compliance*, Aug. 7, 2008

The National Science Foundation is continuing its study on voluntary cost sharing and will seek public comment until October 1. Comments are being solicited regarding "community experiences in cost sharing" with emphasis on the (1) relationship between cost sharing and NSF program goals; (2) relationship between cost sharing and institutional competitiveness in NSF grant funding; (3) role of cost sharing in the NSF merit review process; (4) importance of types, sources, and

timing of voluntary cost sharing; (5) effort associated with tracking and reporting cost-shared resources; (6) relationship between cost sharing and institutional strategic investment; (7) options for ensuring equity in NSF grant funding when cost sharing is either required or volunteered; (8) research resources from state providers; and (9) research resources from industry providers. For more, see <http://tinyurl.com/5ne5pu>.

### Knowledge of Research Subject Protection Assists with Grant Awards

—excerpted from *Center for Scientific Review News Flash*, July 15, 2008

The *American Journal of Medicine* published new data on why clinical research applications do not fare as well as basic science applications in peer reviews. The full article, “Why Are Peer Review Outcomes Less Favorable for Clinical Science than for Basic Science Grant Applications?”, *American Journal of Medicine*, vol. 121, issue 7, p. 637, is available online at <http://tinyurl.com/66qpd>.

The National Institutes of Health’s Center for Scientific Review (CSR) initiated the study to follow up earlier studies to address the perception that clinical research grant applications are disadvantaged in the NIH peer review process.

The study shows that nearly all of the difference in review outcomes between these two types of applications is related to the fact that clinical applicants who have R01 grants are less likely to submit an application revision or a competitive renewal of their grants. A contributing, but secondary, factor is the difficulty some clinical applicants have in addressing human protection requirements.

The recent study examined the review outcome of 62,735 nonclinical and 30,187 clinical grant applications (R01s) reviewed between 2000 and 2004. The clinical research applications received less favorable scores. Of all the clinical research applications, 14.8 percent were found to have human subjects concerns.

### Publisher/Author Agreements and the NIH Public Access Policy

—excerpted from *Association of Research Libraries’ press release*, Aug. 15, 2008

The Association of Research Libraries (of which SIUC is a member) has released the report “PubMed Central Deposit and Author Rights: Agreements Between 12 Publishers and the Authors Subject to the NIH Public Access Policy.” It is available at [www.arl.org/bm~doc/grillot-pubmed.pdf](http://www.arl.org/bm~doc/grillot-pubmed.pdf).

To help authors make informed choices about their rights, the report compares how the agreements of 12 publishers permit authors to meet the requirements of the recently revised National Institutes of Health (NIH) Public Access Policy and share their works while they are under embargo. The NIH Public Access Policy requires authors of NIH-funded research to deposit their works in PubMed Central and make them publicly available within 12 months of publication.

The focus of the analysis is on how the agreements differ in the terms and procedures of deposit of the work, the length of any embargo period, and the rights of the author to use and share the work during the embargo period. Summary tables show the similarities and differences across agreements. The implications of these agreements are also analyzed. The report concludes that the significant variability in publisher agreements requires authors with NIH funding to closely examine publisher agreements and the rights granted and retained when deciding where to publish their research.

### EPA Calls for Health Risk Studies from Climate Change

—excerpted from *Science*, July 25, 2008

Long-term changes in climate can affect human health in myriad ways. In mid-July, a new report by the government’s climate change science program outlined a research road map to help

Americans adapt to a warmer climate.

“The bottom line is that there are very real health risks associated with climate change,” says a CDC epidemiologist and reviewer of the report, which was written by a team of government and independent scientists under the direction of the EPA. The report cites an expected increase in the range of vectors that carry Lyme disease and West Nile virus and a greater risk of diarrheal diseases following more frequent flooding.

The report calls for health-surveillance systems to include “climate sensitive pathogens and vectors.” It recommends more studies to model the health impacts of climate-related events such as wildfires or floods, as well as regional climate models to provide scientists with higher resolution data regarding local climate forecasts. Most current studies of public health issues don’t include a climate component, it notes.

CDC now spends less than \$1 million on climate-related programs, including a mapping project combining temperature, census, and public health data to identify the areas within cities where residents are most vulnerable to heat waves. Several important studies remain on the drawing board because of insufficient funding.

## FUNDING OPPORTUNITIES

For more information about these programs, contact Joel Fritzler, ORDA Information Specialist, at 453-4530 or [jcfritz@siu.edu](mailto:jcfritz@siu.edu).

### Robert Wood Johnson Foundation: Scholars in Health Policy Research

The Scholars in Health Policy Research Program is intended to help develop a new generation of creative thinkers in health policy research within the disciplines of **economics, political science, and sociology**. Scholars will work closely with faculty from the social

sciences, as well as from medicine, public health, and public policy, in an environment conducive to disciplinary and multidisciplinary learning and collaborative research. The program brings together talented individuals, each rooted in one of the three disciplines, for the express purpose of learning about health, health policy, and the perspectives of the other two disciplines.

Recent graduates of doctoral programs in economics, political science and sociology, including junior faculty, are invited to apply. Preference will be given to applicants who have not previously worked in the areas of health or health policy research. Up to 12 fellowships will be awarded in this grant cycle. Scholars will receive stipends of \$86,000 for year one and \$89,000 for year two. For additional information, see [www.rwjf.org/applications/solicited/cfp.jsp?ID=20322](http://www.rwjf.org/applications/solicited/cfp.jsp?ID=20322) or contact the foundation (617-353-9220, [rwjf@bu.edu](mailto:rwjf@bu.edu)).

**DEADLINE:** Oct. 22

### **NIH: Reducing Risk Behaviors by Promoting Positive Youth Development**

The National Institutes of Health is soliciting grant applications (R01 and R03) that propose to enhance understanding of effective positive youth development programs and the mechanisms responsible for positive health and developmental outcomes.

For R01 projects, this will be accomplished through the development, implementation, and evaluation of new or improved positive youth development programs, the evaluation of existing “successful” programs, or the evaluation of effective, evidence-based, gender-inclusive programs that are adapted, translated, or disseminated for new populations of youth and adolescents.

For R03 projects, studies may include the evaluation of particular components of new or existing youth development programs thought to be responsible for positive development; the examination of child and adolescent assets, behaviors, and development that influence positive

youth trajectories; and the evaluation of family, community, or social assets and liabilities that contribute to or hamper youth development.

Investigators and/or colleagues should have a strong knowledge of child development. The R03 grant mechanism supports a variety of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. The R03 small grant mechanism is intended to support small-scale research projects that can be carried out in two years or less with limited resources.

For additional information, see <http://grants.nih.gov/grants/guide/pa-files/PA-08-241.html> for R01 projects and <http://grants.nih.gov/grants/guide/pa-files/PA-08-242.html> for R03 projects, or contact Lynne Haverkos (301-435-6881, [haverkol@mail.nih.gov](mailto:haverkol@mail.nih.gov)) or Frank Perna (301-451-9477, [pernafm@mail.nih.gov](mailto:pernafm@mail.nih.gov)).

**DEADLINES:** R01—Oct. 5; R03—Oct. 16

### **NIH: Chronic Fatigue Syndrome: Pathophysiology and Treatment**

The National Institutes of Health is soliciting applications that propose to examine the etiology, diagnosis, pathophysiology, and treatment of chronic fatigue syndrome (CFS), also known as myalgic encephalomyelitis (ME/CFS), in diverse groups and across the lifespan. Innovative applications that address gaps in the understanding of the environmental and biological risk factors, the determinants of heterogeneity among patient populations, and the common mechanisms influencing the multiple body systems that are affected in CFS are encouraged.

The NIH is particularly interested in funding interdisciplinary research that will enhance our knowledge of the disease process and provide evidence-based solutions to improve the diagnosis, treatment, and quality of life of all persons with CFS.

This FOA is using the Research Project Grant (R01) award mechanism and the Exploratory/Developmental (R21) grant mechanism.

For more information about the R01 program, see <http://grants.nih.gov/grants/guide/pa-files/PA-08-246.html>.

For more information about the R21 program, see <http://grants.nih.gov/grants/guide/pa-files/PA-08-247.html>.

There are 12 NIH units participating in this program. For a list of contacts, see <http://grants.nih.gov/grants/guide/pa-files/PA-08-246.html#SectionVII>.

**DEADLINES:** R01—Oct. 5; R21—Oct. 16

### **National Geographic Society: Young Explorers**

Young Explorers Grants (YEG) offer opportunities to individuals between the ages of 18 and 25 to pursue research, conservation, and exploration-related projects in Anthropology, Archaeology, Conservation Biology, Environmental Conservation, Environmental Sciences, Geography, Mathematics and Technology, Natural and Physical Sciences, Oceanography, or Paleontology consistent with National Geographic’s existing grant programs, including the Committee for Research and Exploration (CRE), the Expeditions Council (EC), and the Conservation Trust (CT).

The CRE funds hypothesis-based scientific research. The CT funds innovative and applied approaches to conservation with potential for global application. The EC funds exploration and adventure around the world.

These grants vary in amount depending on significance of the project, though most range between \$2,000 and \$5,000. For additional information, see [www.nationalgeographic.com/field/grants-programs/yeg-application.html](http://www.nationalgeographic.com/field/grants-programs/yeg-application.html) or contact the appropriate NGS group: CRE ([cre@ngs.org](mailto:cre@ngs.org)), EC ([council@ngs.org](mailto:council@ngs.org)), or CT ([conservationtrust@ngs.org](mailto:conservationtrust@ngs.org)).

**DEADLINE:** Open

## NATO: Science for Peace - Applied R&D

The NATO Programme for Security Through Science (STS) offers support for international collaboration between scientists of the countries of the Euro-Atlantic Partnership Council or the Mediterranean Dialogue. The aim of the STS is to contribute to security, stability, and solidarity among nations by applying cutting-edge science to problem solving. Research topics supported are in areas of defense against terrorism, and countering other threats to security. Partner-country priorities are also taken into account.

Science for Peace (SfP) grants offer support for applied research and development projects in Partner and Mediterranean Dialogue countries, to cover project-related costs such as scientific equipment, computers, software, and training of project personnel. Only projects in the security-related priority research topics will be supported. Projects may be a maximum of three years' duration.

Although there are no formal upper and lower limits to the level of funds that may be requested from NATO for individual projects, the average amount awarded in the past has been between €250,000 and €300,000 per project. For more information, see [www.nato.int/science/nato\\_funded\\_activities/grant\\_mechanisms.htm](http://www.nato.int/science/nato_funded_activities/grant_mechanisms.htm) or contact the Science for Peace and Security Programme ([science@hq.nato.int](mailto:science@hq.nato.int)).

**DEADLINE:** Nov. 1

## NSF & DOD: Social and Behavioral Dimensions of National Security, Conflict, and Cooperation

The National Science Foundation and the Department of Defense are initiating a university-based social and behavioral science research activity, as part of the Minerva Initiative launched by the Secretary of Defense, that focuses on areas of strategic importance to U.S. national security policy. NSF and DOD intend (1) to develop the DOD's

social and human science intellectual capital in order to enhance its ability to address future challenges; (2) to enhance the DOD's engagement with the social science community; and (3) to deepen the understanding of the social and behavioral dimensions of national security issues.

In pursuit of these objectives, NSF and DOD will bring together universities, research institutions, and individual scholars and will support disciplinary, interdisciplinary, and collaborative projects addressing areas of strategic importance to national security policy.

Proposals are to be submitted directly to NSF as described in the solicitation. It is estimated that 10 to 15 awards will be made (1-5 Workshops, 8-10 Small Awards, and 1-3 Large Awards) from an anticipated funding amount of \$8 million.

For information about this program, see [www.nsf.gov/pubs/2008/nsf08594/nsf08594.htm?govDel=USNSF\\_25](http://www.nsf.gov/pubs/2008/nsf08594/nsf08594.htm?govDel=USNSF_25) or contact Amber Story (703-292-7249, [astory@nsf.gov](mailto:astory@nsf.gov)) or Jonathan Leland (703-292-7285, [jleland@nsf.gov](mailto:jleland@nsf.gov)).

**DEADLINES:** Letters of Intent (required for Small or Large Award proposals)—Sept. 30; Full Proposals—Oct. 30

## NSF: Graduate Research Fellowship Program (GRFP)

The purpose of the National Science Foundation's Graduate Research Fellowship Program is to ensure the vitality of the scientific and technological workforce in the United States and to reinforce its diversity. The program recognizes and supports outstanding graduate students in the relevant science, technology, engineering, and mathematics disciplines who are pursuing research-based master's and doctoral degrees.

NSF Fellows are expected to become knowledge experts who can contribute significantly to research, teaching, and innovations in science and engineering. These individuals will be crucial to

maintaining and advancing the nation's technological infrastructure and national security as well as contributing to the economic well being of society at large.

NSF Graduate Research Fellowships are intended for individuals in the early stages of their graduate study. All applicants are expected to have adequate preparation to begin graduate-level study and research by summer or fall 2009. In most cases, this will be demonstrated by a bachelor's degree earned prior to fall 2009.

**Applications must be submitted by the prospective fellow.** Applicants must register with Fastlane ([www.fastlane.nsf.gov](http://www.fastlane.nsf.gov); contact ORDA) prior to submitting an application and must affiliate with an accredited U.S. university, college, or nonprofit academic institution or appropriate international institution of higher education offering advanced degrees in science, technology, engineering, and mathematics prior to activating the fellowship award.

NSF welcomes and encourages applications from all U.S. citizens, nationals and permanent residents including those who belong to underrepresented populations in the sciences, those with disabilities, and people from all geographic and economic backgrounds attending any accredited institution while pursuing NSF-supported fields of study.

It is estimated that 900 to 1,600 awards will be made from an anticipated funding amount of \$64.8 million.

For more information about this program, see [www.nsf.gov/pubs/2008/nsf08593/nsf08593.htm](http://www.nsf.gov/pubs/2008/nsf08593/nsf08593.htm) or contact William Hahn (703-292-8545, [whahn@nsf.gov](mailto:whahn@nsf.gov)) or the GRFP Center (866-673-4737, [help@nsfgrfp.org](mailto:help@nsfgrfp.org)).

**DEADLINES:** Interdisciplinary Fields of Study—Nov. 3; Mathematical Sciences & CISE—Nov. 5; Social Sciences, Psychology, & Geosciences—Nov. 6; Life Sciences—Nov. 7; Chemistry & Physics—Nov. 10; Engineering—Nov. 12

## NSF: CHE-DMR-DMS Solar Energy Initiative

The purpose of the National Science Foundation's **CHE** (Division of Chemistry)-**DMR** (Division of Materials Research)-**DMS** (Division of Mathematical Sciences) **Solar Energy Initiative** is to support interdisciplinary efforts by groups of researchers to address the scientific challenges of highly efficient harvesting, conversion, and storage of solar energy.

Groups **must include** three or more co-principal Investigators; one must have demonstrated high expertise in chemistry, a second in materials research, and a third in mathematical sciences.

The goal here is to create a new modality of linking the mathematical with the chemical and materials sciences to develop transformative paradigms in an area of much activity but largely incremental advances. Successful proposals will offer potentially transformative projects and new concepts based on the integrated expertise and synergy from the three disciplinary communities.

It is estimated that 3 to 10 awards will be made from an anticipated amount of \$5 million.

For additional information about this program, see [www.nsf.gov/pubs/2008/nsf08598/nsf08598.htm?govDel=USNSF\\_25](http://www.nsf.gov/pubs/2008/nsf08598/nsf08598.htm?govDel=USNSF_25) or contact Carol Bessel (CHE; 703-292-4945, [cbessel@nsf.gov](mailto:cbessel@nsf.gov)), Hans Kaper (DMS; 703-292-4859, [hkaper@nsf.gov](mailto:hkaper@nsf.gov)), or Andrew Lovinger (DMR; 703-292-4933, [alovinge@nsf.gov](mailto:alovinge@nsf.gov)).

**DEADLINES:** Preliminary Proposals (**required**)—Dec. 16; Full Proposals—March 9

## GRANT DEADLINES

*October and November 2008*

*Information on many of the following programs is available from the Community of Science grants database at [www.cos.com](http://www.cos.com) or from [www.grants.gov](http://www.grants.gov). For web links to programs, contact Joel Fritzler (453-4530, [jcfritz@siu.edu](mailto:jcfritz@siu.edu)) or see the "External Funding" pages on ORDA's website.*

### October 2008

#### Federal Programs

##### Agriculture

Oct 08 CSREES: Animal Protection and Biosecurity

##### Commerce

Oct 17 NOAA: Coastal Management Fellowship

Oct 31 NOAA: Community-Based Marine Debris Prevention and Removal

##### Energy

Oct 14 NETL: Pre-Combustion Carbon Capture Technologies for Coal-Based Gasification Plants

##### EPA

Oct 17 National Risk Management Research Laboratory—Advanced Decentralized Water/Energy Network Design for Sustainable Infrastructure

##### Health and Human Services

Oct 01 NIMH: Research Education Grants

Oct 05 NIDCD: Epidemiological Research on Disorders of Hearing, Balance, Smell, Taste, Voice, Speech, and Language

Oct 05 NIDDK: Identifying and Reducing Diabetes and Obesity-Related Health Disparities Within Healthcare Systems

##### HHS cont.

Oct 05 NIH: Community Participation in Research; Genetic Susceptibility & Variability of Human Structural Birth Defects; Developmental Biology and Regeneration of the Liver

Oct 05 NIMH: Deep Sequencing and Haplotype Profiling of Mental Disorders

Oct 05 NLM: Express Research Grants in Biomedical Informatics

Oct 05 SAMHSA: Reducing Mental Illness Stigma and Discrimination

Oct 10 NHLBI: Targeted Approaches to Weight Control for Young Adults

Oct 12 AHRQ: Independent Scientist Award

Oct 12 CDC: Career Development in Occupational Safety and Health Research

Oct 12 NCI: Cancer Prevention, Control, Behavioral, and Population Sciences Career Development

Oct 12 NIAAA: Career Transition Award

Oct 12 NIEHS: Short-Term Career Development Award in the Environmental Health Sciences for Established Investigators

Oct 15 FDA: Small Scientific Conferences

Oct 16 AHRQ & CDC: Small Research Grants

Oct 16 NCI: Immunoregulation of Gastrointestinal Carcinogenesis (R01 & R21)

Oct 16 NIDA: Early Career Award in Chemistry of Drug Abuse and Addiction; Behavioral Science Track Award for Rapid Transition

Oct 16 NIH: Planning Grants for Translational Research for the Prevention and Control of Diabetes and Obesity

Oct 17 NHLBI: Small Grants for Lung Tissue Research

**HHS cont.**

- Oct 21 NIGMS: Centers for Innovation in Membrane Protein Production for Structure Determination
- Oct 23 NIAMS: Small Grant Program for New Investigators
- Oct 24 NIGMS: National Centers for Systems Biology
- Oct 30 NIA: Centers on the Demography and Economics of Aging
- Oct 31 NIA: Roybal Centers for Translational Research on Aging
- Oct 31 NIEHS: Outstanding New Environmental Scientist Award

**NASA**

- Oct 03 ROSES: Lunar Advanced Science and Exploration
- Oct 06 ROSES: MOST U.S. Guest Observer Program—Cycle 1
- Oct 08 ROSES: Concept Studies for Human Tended Suborbital Science
- Oct 17 ROSES: Guest Investigator Studies with C/NOFS

**National Archives and Records Administration**

- Oct 01 NHPRC: Detailed Processing Projects
- Oct 06 NHPRC: Strategies and Tools for Archives and Historical Publishing Projects; Professional Development Grants for Archives and Historical Publishing
- Oct 15 NHPRC: Transcribing the Founders' Papers for Online Access: Pilot Project

**National Endowment for the Arts**

- Oct 05 Partnership Agreements for National Service

**National Science Foundation**

- Oct 01 ENG: Engineering Design and Innovation; Manufacturing and Construction of Machines and Equipment; Materials Processing and Manufacturing; Hazard Mitigation and Structural Engineering; Operations Research; Nanomanufacturing

**NSF cont.**

- Oct 01 MPS: Joint DMS/NIGMS Initiative to Support Research in the Area of Mathematical Biology
- Oct 07 ENG: Power, Controls, and Adaptive Networks
- Oct 07 MPS: Analysis Program; Foundations; Algebra, Number Theory, and Combinatorics
- Oct 15 GEO: Paleo Perspectives on Climate Change; Geospace Environment Modeling
- Oct 15 SBE: Sociology
- Oct 16 EHR: Advanced Technological Education
- Oct 17 CISE: Multicore Chip Design and Architecture
- Oct 22 MPS: Plasma Physics; NSF/DOE Partnership in Basic Plasma Science and Engineering
- Oct 30 All Areas: Accelerating Discovery in Science and Engineering Through Petascale Simulations and Analysis
- Oct 31 CISE: Information and Intelligent Systems: Core Programs
- Oct 31 ENG: Partnerships for Innovation

**National Security Agency**

- Oct 15 MSP (Mathematical Sciences Program): Various Grants; Conferences, Workshops, and Special Situations

**State Dept.**

- Oct 15 Fulbright Teacher Exchange

**Other Programs****American Academy of Arts and Sciences**

- Oct 17 Visiting Scholars Program

**American Cancer Society**

- Oct 15 Research Scholar Grants: Basic, Preclinical, Clinical, and Epidemiology; Cancer Control—Health Services and Health Policy; Cancer Control—Psychosocial and Behavioral

**Amer. Cancer Society cont.**

- Oct 15 Mentored Research Scholar Grants in Applied and Clinical Research; Postdoctoral Fellowships

**American Council for International Education**

- Oct 01 Combined Research and Language Training; Special Initiatives Fellowships; Southeast Europe Research; Southeast Europe Language Program

**American Council of Learned Societies (Humanities & Social Sciences)**

- Oct 02 Various Fellowships

**American Society of Microbiology**

- Oct 15 Indo-U.S. Professorships in Microbiology

**American Society of Nephrology**

- Oct 01 Basic Science Travel Grants

**Association for Asian Studies**

- Oct 01 Travel Within the U.S.; Short-Term Travel to Japan; Small Conference on Japanese Studies; Short-Term Travel to Korea

**Association for Women in Mathematics**

- Oct 01 Travel Grants for Women Researchers

**Beckman Foundation**

(Chemical & Life Sciences)

- Oct 01 Young Investigators Program

**Belgian American Educational Foundation**

- Oct 31 Fellowships for Study or Research in Belgium

**Burroughs Wellcome Fund**

(Biomedical Sciences)

- Oct 01 Career Awards for Medical Scientists

**Chiang Ching-Kuo Foundation for International Scholarly Exchange**

- Oct 15 Various Fellowships/Grants for Asian Studies

**Filson Historical Society**

Oct 15 Fellowships

**Francis Families Foundation**

Oct 17 Pulmonary Research Fellowship

**(Alexander von) Humboldt Foundation**

Oct 31 German Chancellor Scholarship Programme for Prospective Leaders from the U.S. (any profession or field of study)

**(Robert Wood) Johnson Foundation**

Oct 22 Scholars in Health Policy Research (within the disciplines of economics, political science, and sociology)

**KIDNEEDS**

Oct 31 Membranoproliferative Glomerulonephritis Type II (MPG-II): Dense Deposit Disease)

**National Kidney Foundation**

Oct 15 Council on Renal Nutrition: Research Grants

**National Organization for Hearing Research Foundation**

Oct 17 Grants

**Pharmaceutical Research and Manufacturers of America Foundation**

Oct 01 Research Starter Grant in Health Outcomes; Sabbatical Fellowship in Health Outcomes

**Pulmonary Hypertension Association**

Oct 12 Supplemental Funding

**Skin Cancer Foundation**

Oct 01 Research Pilot Projects

**Society for Academic Continuing Medical Education**

Oct 01 Philip Manning Research Grant in Continuing Medical Education

**Society for Progressive Supranuclear Palsy**

Oct 01 Research Grants

**Society of Toxicology**

Oct 09 Minority Undergraduate Student and Advisor Awards; Traveling Lectureship Awards

**U.S./Indonesia Society**(Indonesian/United States Political and Economic Relations)  
Oct 31 Sumitro Fellows**Whitehall Foundation**

(Life Sciences)

Oct 01 Research Grants

**November 2008****Federal Programs****Agriculture**

Nov 15 CSREES: Animal Reproduction; On-Farm Research

Nov 26 CSREES: Arthropod and Nematode Biology and Management (A): Organismal and Population Biology

**Commerce**

Nov 01 NOAA: National Estuarine Research Reserve: Graduate Research Fellowship Program

**Congressional-Executive Commission on China**

Nov 01 Internships at the CECC

**Defense**

Nov 13 DARPA: Synthetic Aperture LADAR for Tactical Imaging

Nov 24 DTRA: Basic Research for Combating Weapons of Mass Destruction

**Energy**

Nov 03 Lawrence Livermore National Laboratory: Lawrence Fellowship

Nov 05 Argonne National Laboratory: Postdoc Fellowships

**EPA**

Nov 14 OSWER: Brownfields Assessment &amp; Cleanup

**Health and Human Services**

Nov 01 NHLBI: Resequencing and Genotyping Service

Nov 03 NIA: Interventions to Remediate Age-Related Cognitive Decline

Nov 10 NIAID: Highly Innovative Tactics to Interrupt Transmission of HIV

Nov 14 NICHD: Studies of Antimicrobial and Prebiotic Activity of Oligosaccharides

Nov 15 NINDS: Research Supplements to Promote Re-Entry into Biomedical and Behavioral Research Careers

Nov 17 NIAID: B Cell Epitope Discovery and Mechanisms of Antibody Protection

Nov 19 NICHD: Population Research Infrastructure Program

Nov 19 NIH: Outcomes and Cost-Effectiveness Studies of CAM Using Existing Practice-Based Research Networks

Nov 20 NIH: Assay Development for High Throughput Molecular Screening

Nov 21 NCI: Small Grants Program for Cancer Epidemiology

Nov 21 NIMH: Prevention of Trauma-Related Adjustment and Mental Disorders in High-Risk Occupations

Nov 24 NIH: Improving Effectiveness of Smoking Cessation Interventions and Programs in Low-Income Adult Populations

Nov 25 NICHD: Limited Competition: Study of Attitudes and Factors Affecting Infant Care

Nov 26 NIDCR: Translational Application of Gene Silencing Strategies to Oral and Craniofacial Disorders

Nov 28 NIDDK: Digestive Diseases Research Core Centers



**National Endowment for the Humanities**

Nov 05 Collaborative Research

**National Gallery of Art**

Nov 15 Center for Advanced Study in the Visual Arts: Various Fellowships

**National Holocaust Memorial Museum**

Nov 26 Various Fellowships

**National Museum of Natural History**

Nov 01 Collection Study Grants

**National Science Foundation**

Nov 03 EHR: Graduate Research Fellowship Program

Nov 04 MPS: Geometric Analysis; Topology

Nov 04 OCI: TeraGrid Phase III: eXtreme Digital Resources for Science and Engineering

Nov 07 MPS: Metals; Polymers; Electronic Materials; Condensed Matter and Materials Theory; Biomaterials; Probability

Nov 13 OCI: Sustainable Digital Data Preservation and Access Network Partners

Nov 15 GEO: Earth Sciences Research—Continental Dynamics

Nov 15 MPS: Applied Mathematics

Nov 17 ENG: Research Experiences for Teachers in Engineering

Nov 18 Dynamics of Coupled Natural and Human Systems

Nov 30 MPS: Analytical and Surface Chemistry; Organic and Macromolecular Chemistry; Inorganic, Bioinorganic, and Organometallic Chemistry; Physical Chemistry

**Smithsonian Institution**

Nov 01 Hirshhorn Museum: Internships

Nov 15 Freer Gallery of Art, Sackler Gallery, and Tropical Research Institute: Internships

Nov 15 Tropical Research Institute: Short-Term Fellowships

**Other Programs****American Council of Learned Societies**

Nov 12 American Research in the Humanities in China

Nov 14 Translation Grants and Post-doctoral Fellowships (archaeology and early history of East and Southeast Asia)

**American Institute of Physics**

Nov 01 AIP/State Dept. Science Fellowships

**American-Scandinavian Foundation**

Nov 01 Awards for Study in Scandinavia

**American Society of Nephrology**

Nov 14 Interim Funding for Established Investigators

**Burroughs Wellcome Fund**

Nov 03 Investigators in the Pathogenesis of Infectious Disease

**Foundation for Child Development**

Nov 05 Young Scholars Program

**Foundation for Educational Exchange Between Canada and the U.S.**

Nov 15 Canada-U.S. Fulbright Visiting Research Chairs; Traditional Fulbright Scholar Awards

**German Academic Exchange Service**

Nov 01 Group Study Visits

Nov 15 Study Scholarship

**Metropolitan Museum of Art**

Nov 07 Fellowships

**North Atlantic Treaty Organization**

Nov 01 Science for Peace Project Grants—Support for Applied R&amp;D; Collaborative Linkage Grants; Advanced Research Workshops; Advanced Study Institutes

**Organic Farming Research Foundation**

Nov 17 Research Grants

**U.S.–Israel Binational Science Foundation**

Nov 17 Start-Up &amp; Cooperative Research

## AWARDS PROCESSED

*Externally funded grants and contracts processed during August 2008*

<b>Title</b>	<b>Investigator(s)</b>	<b>Department(s)</b>	<b>Agency</b>	<b>Award</b>
<b>Research Awards</b>				
*Expansion of Ethanol Production: Evaluation of Costs and Benefits to Rural Communities in the Upper Mississippi River Basin	S. Secchi	Agribusiness Economics	Iowa State U (USDOE/USDA)	\$141,269
*Effect of Distiller's Grains on Beef Cow Dystocia and Conception	R. Atkinson	Animal Science, Food and Nutrition	U of I/C-FAR (IDA)	\$66,919
*Effect of Distiller's Grains on Fatty Acid Composition and Meat Quality in Steers	R. Atkinson	Animal Science, Food and Nutrition	U of I/C-FAR (IDA)	\$52,966
*Novel Cardiovascular Benefits of a Diet Enriched in Both Soy Oil and Soy Isoflavones	W. Banz	Animal Science, Food and Nutrition	U of I/C-FAR (IDA)	\$125,260
School Meals Initiative FY 2009	J. Endres P. Welch	Animal Science, Food and Nutrition Animal Science, Food and Nutrition	ISBE (USDA)	\$195,475
First-Principles Study of Light-Metal Complex Hydrides as Potential Hydrogen-Storage Materials	Q. Ge	Chemistry	American Chemical Society/Petroleum Research Fund	\$17,000
*Early Clock Architecture for High Performance Busses	S. Tragoudas	Electrical and Computer Engineering	Intel Corporation	\$35,000
*Pattern Matching Acceleration Using Intel Tolapai Platform	N. Weng	Electrical and Computer Engineering	Intel Corporation	\$25,000
*Novel Methods to Improve Spinal Implants and Instrumentation	J. Don	Mechanical Engineering and Energy Processes	Clipius Technologies	\$18,363
*Measurement of Coal Core Properties Under Field Replicated Conditions	S. Harpalani	Mining and Mineral Resources Engineering	ConocoPhillips	\$160,000
Assessing Fire for Control of Exotic Chinese Tallow in the Marshes of the Barataria Preserve	L. Battaglia	Plant Biology	USDI/National Park Service	\$56,200
ATOL: Collaborative Research: Deep Green Plant Phylogenetics: Novel Analytical Methods for Scaling Data from Genomics to Morphology	K. Renzaglia	Plant Biology	NSF	\$7,000

<b>Title</b>	<b>Investigator(s)</b>	<b>Department(s)</b>	<b>Agency</b>	<b>Award</b>
*The Changing Face of Andean Peatlands: The Effects of Climate and Human Disturbance on Ecosystem Structure and Function	D. Vitt J. Benavides	Plant Biology Plant Biology	NSF	\$12,000
Screening of Pesticides	A. Fakhoury J. Bond	Plant, Soil, & Ag Systems Plant, Soil, & Ag Systems	Syngenta Crop Protection	\$39,500
Soybean Germplasm and Breeding Research Initiative Phase VIII	M. Schmidt	Plant, Soil, & Ag Systems	U of I (ISA)	\$134,000
Improvement of Early Season Soybean Yield Prediction: Pod Thickness as Predictor of Seed Weight	M. Schmidt C. Schmidt	Plant, Soil, & Ag Systems Plant, Soil, & Ag Systems	USDA	\$10,000
*Field Trial Studies	B. Young	Plant, Soil, & Ag Systems	Monsanto	\$15,000
<b>Training Awards</b>				
Health Education Graduate Assistantships	D. Birch	Health Ed and Recreation	Southern Illinois Healthcare	\$15,935
Recreational Therapy Graduate Assistantship for Gateway Foundation	M. Malkin	Health Ed and Recreation	Gateway Foundation	\$5,168
CBAT - Choate-Behavior Analysis and Therapy Collaboration - Graduate Assistantships	P. Davis	Rehabilitation Institute	IDHS/CMHDC	\$38,000
Rehabilitation Long-Term Training: Undergraduate Education in Rehabilitation Services at Southern Illinois University	R. Rehfeldt P. Davis	Rehabilitation Institute Rehabilitation Institute	USED/OSERS	\$75,000
<b>Other Awards</b>				
*Glassblowing Demonstration with Mobile Glass Studio	T. Billmark	Art and Design	IDNR	\$8,823
*My Source Community Impact Grant	M. Tichenor J. Tichenor	Broadcasting Service Broadcasting Service	Corporation for Public Broadcasting	\$6,000
Teaching with Primary Sources	J. Hostetler	College of Education and Human Services	Library of Congress	\$191,372
Connect SI - State III	R. Duncan	Community Development and Outreach	IDCEO	\$175,000
*University Linkages Program Between Pakistan and Afghanistan	B. Klubek	Plant, Soil, & Ag Systems	USDA/Foreign Agricultural Services	\$25,000
*Disability Survey Grant	M. Baughman	Public Policy Institute	IDHFS	\$10,000

Title	Investigator(s)	Department(s)	Agency	Award
Employability Development Program FY 09	J. Bordieri S. Burke	Rehabilitation Institute Rehabilitation Institute	IDHS (USDHHS)	\$55,477
Project 12-Ways	B. Greene	Rehabilitation Institute	IDHS (USDHHS)	\$608,011
SIMAP Clinical Services Project	S. Koch S. Davis	Rehabilitation Institute Rehabilitation Institute	Franklin-Williamson Human Services	\$16,620
EDC Third Party Agreement	D. Shelton	Rehabilitation Institute	IDHS (USDHHS)	\$889,963
Illinois Agriculture Mediation Program	M. Rudasill	School of Law	USDA/Farm Services Agency	\$82,594
Legal Services for Older Persons	M. Rudasill	School of Law	Egyptian Area Agency on Aging (USDHHS)	\$3,789
Integrated Assessment Program FY 08	M. Miah	Social Work	IDCFS	\$96,988
*Touch of Nature Wilderness Programs	G. Schropp	Touch of Nature	IDHS/UDIS	\$153,367
*21st Century Collection Management Initiative: Implementing Collection Standards	L. Huffman	University Museum	IMLS/Museums for America	\$149,962

\*indicates new award

Awards Processed During August 2008 (36) \$3,718,021

## Summary of Fiscal Year 2009 Awards Received to Date

excludes Financial Aid Office awards

	Fiscal Year 2009 Awards as of August 2008		Fiscal Year 2008 Awards as of August 2007	
Research	(30)	\$2,917,922	(63)	\$5,062,851
Training	(8)	\$845,288	(10)	\$388,453
Other	(24)	\$5,309,657	(23)	\$4,212,033
Federal	(23)	\$4,948,029	(36)	\$6,686,102
State	(23)	\$3,699,036	(26)	\$1,520,780
Industry	(1)	\$25,000	(3)	\$109,835
Foundation	(4)	\$155,000	(15)	\$670,629
Other	(11)	\$245,802	(16)	\$675,992
<b>TOTAL</b>	<b>(62)</b>	<b>\$9,072,867</b>	<b>(96)</b>	<b>\$9,663,337</b>

## ORDA DIRECTORY of ASSISTANCE

[www.siu.edu/orda](http://www.siu.edu/orda) • Woody Hall C-206 • phone: 453-4540 • fax: 453-8038 • mailcode: 4709 • [orda@siu.edu](mailto:orda@siu.edu)  
Prudence M. Rice, Director, 453-4531, [pmrice@siu.edu](mailto:pmrice@siu.edu)

### FUNDING OPPORTUNITIES & RESEARCH MATTERS

- Joel Fritzler, 453-4530, [jcfritz@siu.edu](mailto:jcfritz@siu.edu)

### ORDA PUBLICATIONS & WEB SITE

• Marilyn Davis, 453-4540, [mdavis@siu.edu](mailto:mdavis@siu.edu)  
See [www.siu.edu/orda/reports](http://www.siu.edu/orda/reports) for a list of print and electronic publications. A comprehensive Sponsored Project Guide is online at [www.siu.edu/orda/guide](http://www.siu.edu/orda/guide).

### PROPOSAL SUBMISSION & GRANT MANAGEMENT

*(workshops, consultation on proposal writing and budget preparation, proposal review and submission, grant award negotiation, account set-up, time extensions, rebudgeting, etc.)*

- **Affirmative Action, Applied Sciences, Ctr. for Rural Health, Education, Grad. School, Liberal Arts, Library Affairs, Mass Communication:** Meg Martin, 453-4538, [mzmartin@siu.edu](mailto:mzmartin@siu.edu)
- **Agriculture, Business, Continuing Ed., Law, Medicine, Student Affairs:** Joel Fritzler, 453-4530, [jcfritz@siu.edu](mailto:jcfritz@siu.edu)
- **Engineering:** Steve Banker, 453-4540, [sbanker@siu.edu](mailto:sbanker@siu.edu)
- **Science, Fisheries, Wildlife:** Ashley Cohoon, 453-4542, [acohoon@siu.edu](mailto:acohoon@siu.edu)

### CONTRACTS & SUBCONTRACTS, AUDITS

- Sonjie Schwartz, 453-4541, [sonjie@siu.edu](mailto:sonjie@siu.edu)

### INTERNAL FUNDING PROGRAMS

See [www.siu.edu/orda/internal](http://www.siu.edu/orda/internal) for info about the Faculty Seed Grant Program, Interdisciplinary Research Seed Grant Program, Matching Funds Program, and Travel Support Program.

### RESEARCH COMPLIANCES

Projects that will involve human subjects, human stem cells, vertebrate animals, or hazardous materials require prior review and approval before they can begin.

- **Human Subjects Committee:** see [www.siu.edu/orda/human](http://www.siu.edu/orda/human) or contact Karen Rowland, 453-4533, [siuhsc@siu.edu](mailto:siuhsc@siu.edu).
- **Institutional Animal Care and Use Committee:** see [www.siu.edu/~iacuc](http://www.siu.edu/~iacuc) or contact Karen Rowland, 453-4533, [iacuc@siu.edu](mailto:iacuc@siu.edu).
- **Stem Cell Research Oversight Committee:** contact Karen Rowland, 453-4533, [escro@siu.edu](mailto:escro@siu.edu).
- **Institutional Biosafety Committee:** contact Douglas Fix, Biological Safety Officer, 453-7180, [dfix@cehs.siu.edu](mailto:dfix@cehs.siu.edu).
- **Radiological Control Committee:** contact Matt Barnstable, Radiation Safety Officer, 536-2015, [mbarnstable@cehs.siu.edu](mailto:mbarnstable@cehs.siu.edu).
- **Hazardous Chemical Oversight:** contact Paul Restivo, Director, Center for Environmental Health and Safety, 453-7180, [restivo@cehs.siu.edu](mailto:restivo@cehs.siu.edu).

### REACH (UNDERGRADUATE RESEARCH PROGRAM)

- Meg Martin, 453-4538, [mzmartin@siu.edu](mailto:mzmartin@siu.edu), [www.siu.edu/~reach](http://www.siu.edu/~reach)

### TECHNOLOGY TRANSFER (PATENTS/COPYRIGHTS)

- Jeff Myers, 453-4556, [jmyers@siu.edu](mailto:jmyers@siu.edu), [www.siu.edu/~techtransfer](http://www.siu.edu/~techtransfer)

### RESEARCH SUPPORT FACILITIES

The facilities provide services ranging from micro-imaging to equipment fabrication. See [www.siu.edu/~ovcr/support.html](http://www.siu.edu/~ovcr/support.html).

Address changes or requests for electronic subscriptions: Joel Fritzler, MC 4709, 453-4530 or [jcfritz@siu.edu](mailto:jcfritz@siu.edu).  
Research Matters is on ORDA's web site at [www.siu.edu/orda/rm](http://www.siu.edu/orda/rm).



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