



RESEARCH MATTERS

Vol. 34, No. 1, January 2007 ♦ Office of Research Development and Administration ♦ Editor: Joel Fritzler

FUNDING OPPORTUNITIES

NEH: Digital Humanities Start-up Grants	3
ORAU: Fusion Energy Postdoctoral Research	3
NSF/USDA: Microbial Genome Sequencing Program	3
ACS: Women Chemists Travel Awards	3
NIH: Mental Disorders in Children and Adolescents	4
NIH: Behavioral/Social Research on the Effects of Disasters on Health	4
NIMH: Mental Health Economics	4
Tilker Foundation: Neurodegenerative Diseases	4
Leukemia & Lymphoma Society	4
VFW Auxiliary: Postdoctoral Cancer Research Fellowships	4

OTHER DEPARTMENTS

Of Special Note	1
Research Digest	2
Grant Deadlines	5
Awards (December 2006)	8

reminders...

- Nominations for the Outstanding Graduate Research Award due Jan. 19. www.siu.edu/ora/gradresearcher.pdf
- REACH Award applications due Jan. 26. www.siu.edu/~reach/awards.html

OF SPECIAL NOTE

Graduate Student Workshop Scheduled

ORDA will hold a Proposal Writing Workshop for Graduate Students on Friday, **February 23**, from 2:30 to 4:00 p.m. in Lawson Hall 121. Please inform your students of this opportunity and that reservations to attend the workshop are required. To reserve a seat, contact Jo Nast at 453-4538 or jonast@siu.edu.

Graduate Fellowships in Ecology Available

Eight NSF-funded graduate fellowships per year over the next five years are available for new, incoming M.S. and Ph.D. students at SIUC. Fellowships will fund students for two years of their program starting in summer semester 2007. Fellows will work with a Center for Ecology faculty advisor for their thesis/dissertation research and follow the graduate program of their home department. Additional responsibilities will include partnering with a local high school teacher in the Heartland Ecological/Environmental and Academic Research Training (HEART) program. Applicants must be a U.S. citizen or lawful permanent U.S. resident.

This is an exciting opportunity for SIUC to recruit some excellent graduate students to the Center for Ecology (www.ecology.siu.edu). For information about stipends and application procedures, contact Scott Schuette (453-3234, renzlab@siu.edu). Applications are due no later than **February 16**, so please contact prospective students ASAP.

NIH Opens Grants to Multiple PIs

—*excerpted from The Chronicle of Higher Education, Dec. 15, 2006*

The National Institutes of Health will begin allowing more than one principal investigator to collaborate on a single project. The agency says that the policy change recognizes that the studies it finances increasingly involve teams of scientists working across disciplinary boundaries.

The change was announced in November and takes effect for grant applications due in February. The new policy will give multiple scientists who jointly lead a project the professional benefits, like credit for intellectual discovery and advancement on the tenure track, that flow from their status as principal investigators. Until now, the NIH, which is the largest single source of funds for university research, has allowed only one principal investigator per research grant.

As a result of the policy change, the agency says it will stop compiling rankings of individual departments within academic institutions by NIH dollars received, a calculation that would become more complicated under the new system. However,

the NIH will provide institutions with tools to help them compile rankings on their own if they wish. Universities have used the rankings to recruit scientists, to brag, and to compare their departments against those of peer institutions. However, university officials expressed mixed opinions about the rankings in their comments to the agency.

RESEARCH DIGEST

Statistics Reveal Increase in Federal Agency Support of R&D

—excerpted from *NSF Press Release 06-178*

The latest statistics from the National Science Foundation (NSF) Survey of Federal Funds for Research and Development reveal that federal agencies provided \$109.7 billion for research and development (R&D) activities in 2004, part of a decade-long average increase of 4.7 percent each year. The survey also shows that research accounted for 48.6 percent of total federal R&D money in 2004, with 42.5 percent of those research dollars going to universities and colleges.

Research is broken into two categories: basic and applied. Basic research focuses on gaining a fuller understanding of fundamental phenomena and observable facts, while applied research focuses on gaining knowledge to determine the means by which a specific need may be met.

Federal agencies contributed 23.8 percent of R&D budgets to basic research, with the Department of Health and Human Services providing the most support at 56.5 percent. The NSF provided the next largest proportion, at 13.4 percent. In support of development activities, federal agencies contributed 47.7 percent, with the Department of

Defense accounting for most of the funding, at 45.9 percent. NASA was the next largest supporter of development activities at 21.9 percent.

Also in 2004, the NSF's Survey of Industrial Research and Development showed that companies spent \$208 billion on R&D in the U.S., compared to \$201 billion in 2003. The survey represents all for-profit companies, publicly or privately held, with five or more employees. In October 2006, the U.S. Bureau of Economic Analysis released calculations that showed that R&D accounted for a substantial share of the resurgence in U.S. economic growth in recent years. Using data from NSF's annual surveys of government, academic, industry and non-profit R&D expenditures, the bureau determined R&D contributed 6.5 percent of economic growth between 1995 and 2002.

NIH Director Predicts Tighter Grant Squeeze

—excerpted from *The Chronicle of Higher Education*, Dec. 1, 2006

The National Institutes of Health expects to receive more than twice as many grant applications in 2007 as it did in 1998, which helps explain why many researchers are lamenting that grants are harder to get. The agency's budget growth has fallen below the annual rate of inflation since 2003, while the number of people filing applications has risen sharply since that time.

That information comes from a commentary by NIH Director [Elias] Zerhouni, in the November 17 issue of the journal *Science*. The squeeze on grants arose partly because universities rushed to expand biomedical research financed with NIH grants after Congress doubled the agency's budget between 1998 and 2003.

Oversight Law in Sensitive Research

—excerpted from *The Chronicle of Higher Education*, Dec. 15, 2006

A December report from the Government Accountability Office states that the federal government is not doing enough to ensure that colleges are keeping sensitive technologies out of the hands of foreign spies and terrorists. The report, commissioned by Congress, urges the Departments of Commerce and State to analyze existing federal data on foreign students at American universities and the topics they are studying to identify "potential vulnerabilities" in the conduct of federally financed academic research. It also recommends that the agencies work together to better educate academic researchers on complying with "deemed export" laws.

Under such laws, colleges and businesses must obtain licenses for foreign nationals who will have access to sensitive technologies, laboratory instruments, or information necessary for the "development, production, or use of a product." According to the report, few colleges have applied for the licenses, worrying some officials at the two departments. The report comes after the Commerce Department withdrew a proposed rule on deemed exports, announcing that it was forming a committee to study the issue. The controversial rule would have based licensing on foreigners' countries of birth, rather than their countries of citizenship or permanent residency, and would have significantly expanded the number of activities that required licensing.

Investigators found that while the Commerce and State Departments provided some training to colleges, much of their outreach was directed at industry, which submits thousands of license applications each year. The GAO reviewers also found that neither agency had analyzed available data on foreign-student enrollments and research topics to determine whether colleges that had not applied for licenses were complying with the law.

FUNDING OPPORTUNITIES

For more information about these programs, contact Joel Fritzler, ORDA Information Specialist, at 3-4530 or jcfritz@siu.edu.

NEH: Digital Humanities Start-Up Grants

The National Endowment for the Humanities is inviting proposals for the planning or initial stages of digital initiatives in all areas of the humanities. Digital Humanities Start-Up Grants should result in plans, prototypes, or proofs of concept for long-term digital humanities projects prior to implementation.

These grants support full-time or part-time activities for periods of up to 18 months. Support is available for various combinations of scholars, consultants, and research assistants; project-related travel; and technical support and services. Up to 20% of the total grant may also be used for the acquisition of computing hardware and software.

All grantees are expected to communicate the results of their work to appropriate scholarly and public audiences. In order to facilitate dissemination and the maximum usage of the projects that are ultimately developed through Digital Humanities Start-Up Grants, applicants are strongly encouraged to base their projects on open-source and fully accessible software. The grant application should describe the concept or problem that is being addressed, the plan of work, the experience of the project team as it relates to the plan, and the intended outcomes of both the start-up project and the long-term project that it would initiate.

It is estimated that 10 awards will be made from an anticipated funding amount of \$300,000. For more information about this program, see <http://tinyurl.com/yasfn7> or contact the NEH (202-606-8401, dhi@neh.gov).

DEADLINE: April 3

ORAU: Fusion Energy Postdoctoral Research

This Oak Ridge Associated Universities program provides opportunities and support for individuals to conduct collaborative research in fusion energy research and development programs at U.S. Department of Energy laboratories and contractor sites supported by DOE's Office of Fusion Energy Sciences.

For information about this program, see <http://tinyurl.com/y4kv7l> or contact Tom Richmond (865-576-2194, richmont@orau.gov) or Mona Carrasco (865-576-3383, carrascr@orau.gov).

DEADLINE: March 1

NSF/USDA: Microbial Genome Sequencing Program

As a collaborative, interagency effort, the National Science Foundation and the U.S. Department of Agriculture will fund research projects (1) to support high-throughput sequencing of the genomes of microorganisms (including viruses, bacteria, archaea, fungi, oomycetes, protists, and agriculturally important nematodes), and (2) to develop and implement strategies, tools, and technologies to make currently available genome sequences more valuable to the user community.

The availability of genome sequences provides the foundation for understanding how microorganisms function and live, and how they interact with their environments and with other organisms. The sequences are expected to be available to and used by a community of investigators to address issues of scientific and societal importance including:

- novel aspects of microbial biochemistry, physiology, metabolism, development, and cellular biology;
- the diversity and the roles microorganisms play in complex ecosystems and in global geochemical cycles;
- the impact that microorganisms have on the productivity and sustainability of agriculture and natural resources (e.g., forests, soil, and water) and on the safety and quality of the nation's food supply; and

- the organization and evolution of microbial genomes, and the mechanisms of transmission, exchange, and reshuffling of genetic information.

It is estimated that 20 to 30 awards will be made from an anticipated funding amount of \$15 million.

For more information about this program, see <http://tinyurl.com/yamatyl> or contact Ronald Weiner at the NSF (703-292-7183, rweiner@nsf.gov) or Ann Lichens-Park at the USDA (202-401-6460, apark@csrees.usda.gov).

DEADLINE: March 8

ACS: Women Chemists Travel Awards

ACS Women Chemists Committee Travel Awards, funded by Eli Lilly & Co., provide grants for undergraduate, graduate, and postdoctoral women chemists to travel to scientific meetings in 2007 to present the results of their research. Awards will be made on the basis of scientific merit and financial need.

Grants are restricted to travel to meetings within the United States. Only U.S. citizens and permanent residents are eligible. Applications should be limited to one per research group.

Awards will be given with preference to the following order: (1) any applicant who will be making her first presentation, regardless of format, at a national or major meeting; (2) graduate or postdoctoral applicants who have not presented at a national or major meeting since leaving undergraduate school. Grant funds are limited, but there are some funds set aside for undergraduates. Women who have received a prior award under this program are ineligible.

For more information about this program, see <http://membership.acs.org/W/WCC/> or contact Felicia Foxworth Dixon (800-227-5558 ext. 6334, wcc@acs.org).

DEADLINE: Feb. 15 for meetings between July 1 and Dec. 31

NIH: Mental Disorders in Children and Adolescents

The National Institute of Mental Health will fund investigator-initiated research studies on the early identification and treatment of mental disorders in children and adolescents. Specific examples include studies focused on (1) the validation of early diagnosis of mental disorders in youth, especially in young children; (2) the development of new interventions to treat mental disorders and prevent the exacerbation of associated functional impairment; (3) the efficacy and safety of new and existing treatments; (4) the identification and evaluation of predictors of treatment response and underlying mechanisms of action for new and existing treatments; (5) the long-term effectiveness and impact of early intervention on later course; and (6) the factors that promote or impede access to services and impact the effectiveness of services for these patients in community and practice settings.

Assessment methods may include behavioral, neuropsychological, neuroimaging, and other physiological measures or markers. Intervention strategies to be studied may include pharmacological, psychosocial, and rehabilitative interventions, separately or in combination.

For more information about this program, see <http://tinyurl.com/ydcmdn> or contact Editha Nottelmann (301-443-9734, enottelm@mail.nih.gov) or Joel Sherrill (301-443-2477, jsherril@mail.nih.gov).

DEADLINE: March 5

NIH: Behavioral/Social Research on Disasters/Health

Three National Institutes of Health agencies will fund behavioral and social sciences research on the consequences of natural and manmade disasters for the health of children, the elderly, and other vulnerable groups, with an ultimate goal of preventing or mitigating harmful consequences.

Examples of disasters include severe weather-related events, earthquakes, large-scale attacks on civilian populations, technological catastrophes or perceived catastrophes, and influenza pandemics.

The National Institute on Aging is interested in research on the elderly in disasters, especially elderly residents of institutions and frail elderly in the community. The National Institute of Child Health and Human Development is interested in research on children and other vulnerable populations in disasters. The National Institute of Nursing Research is interested in research to develop interventions that will improve outcomes for persons affected by natural and manmade disasters.

For more information about this program, see <http://tinyurl.com/yzkxdw> or contact John Haaga (301-496-3131, HaagaJ@mail.nih.gov) or Rebecca Clark (301-496-1175, rclark@mail.nih.gov).

DEADLINE: March 5

NIMH: Mental Health Economics

The National Institute of Mental Health will fund public health research projects to develop more efficient and equitable mechanisms of financing mental health services.

The agency has a long-standing commitment to support studies in order to reduce economic barriers to mental health treatment. The purpose of this funding opportunity announcement is to further advance this scientific knowledge base to find and apply innovative strategies for financing and reimbursing mental health care. The research to be supported is also intended to maintain the contribution of applied economic analysis to the integration and expansion of psychiatric care into nonspecialty settings and to enhance interdisciplinary approaches to scientific inquiry.

For more information about this program, see <http://tinyurl.com/y3egrn> or contact Agnes Rupp (301-443-6234).

DEADLINE: March 5

Tilker Foundation: Neurodegenerative Diseases

The Tilker Medical Research Foundation will award seed funding of up to \$50,000 to promote the most promising research into treatments for neurodegenerative diseases. Applications should be for new and innovative projects that are not sufficiently developed to attract a major grant award. For information about this program, see <http://tinyurl.com/tn8db> or contact the foundation (415-331-8700, lynntilker@comcast.net).

DEADLINE: March 1

Leukemia & Lymphoma Society

The Translational Research Program administered by the Leukemia & Lymphoma Society will make three-year grants of up to \$600,000 each to provide support for the early stages of clinical research in leukemia, lymphoma, and myeloma. Projects should also propose approaches to the prevention, diagnosis, and treatment of these illnesses.

Applicants must hold an M.D., Ph.D., or equivalent degree. International applicants are welcome. For more information about this program, see <http://tinyurl.com/yln087> or contact the LLS (914-821-8843, researchprograms@lls.org).

DEADLINES: Preliminary Proposals (Mandatory)—March 1; Full Proposals—March 15

VFW Auxiliary: Postdoctoral Cancer Research Fellowships

The Ladies Auxiliary to the Veterans of Foreign Wars offers three \$100,000 postdoctoral research fellowships annually to enable researchers to conduct cancer research on a full-time basis for one year.

Candidates must be nominated by the supervisor of the laboratory in which the fellow will perform the research. (An institution may nominate more than one candidate.) Candidates must be qualified in a specific cancer-related specialty;

they must be a U.S. citizen; and they must hold a doctoral-level degree by the time the award begins (July 1, 2007).

For more information about this program, see <http://tinyurl.com/y8p8mk> or contact Judy Millick (816-561-8655 ext. 19, jmillick@ladiesauxvfw.org).

DEADLINE: March 1

GRANT DEADLINES

February and March 2007

Information on many of the following programs is available from the Community of Science grants database at www.cos.com or from www.grants.gov. For web links to programs, contact Joel Fritzler at jcfritz@siu.edu or see the "External Funding" pages at www.siu.edu/orda.

February 2007

Federal

Agriculture

- Feb 07 CSREES: Special Research—Citrus Tristeza Research
- Feb 14 CSREES: Plant Genome
- Feb 15 CSREES: Pest Management Alternatives

Commerce

- Feb 02 NIST: Precision Measurement
- Feb 16 NOAA: Great Lakes Ecosystem Research

Defense

- Feb 09 DARPA: Defense Sciences Research and Technology (DSRT)—Advanced Mathematics; Applications of Biology to Defense Applications; New Materials, Materials Concepts, Materials Processing and Devices; Novel Technologies to Improve the Human Consequences of Transformation

DOD cont.

- Feb 13 Army: Unmanned and Autonomous Systems Testing
- Feb 26 DARPA: Efficient Mid-Wave Infrared Lasers
- Feb 28 USAF: Digital Data Embedding Technologies

Energy

- Feb 01 GTL Bioenergy Research Centers

Environmental Protection Agency

- Feb 27 Sources and Atmospheric Formation of Organic Particulate Matter

Health and Human Services

- Feb 01 NCI: Cancer Education Grants Program (R25)
- Feb 01 NIA: Human Biospecimen Resources for Aging Research
- Feb 01 NIAMS: Developmental Mechanisms of Human Structural Birth Defects
- Feb 01 NIDA: Research Education Grants in Drug Abuse and Addiction
- Feb 01 NIDCD: Epidemiological Research on Disorders of Hearing, Balance, Smell, Taste, Voice, Speech, and Language
- Feb 01 NIDDK: Development and Application of PET and SPECT Imaging Ligands as Biomarkers for Drug Discovery and for Pathophysiological Studies of CNS Disorders (R21/R33)
- Feb 01 NIH: Nutrition and Diet in the Causation, Prevention, and Management of Heart Failure
- Feb 01 NIH: Developmental Biology and Regeneration of the Liver
- Feb 01 NIH: Planning Grants for Translational Research for the Prevention and Control of Diabetes and Obesity
- Feb 01 NINDS: Specialized Program of Translational Research in Acute Strokes
- Feb 01 NIOSH: Small Research Grants
- Feb 05 NIDDK: Health Disparities in DDK Diseases

HHS cont.

- Feb 05 NIH: Reducing Mental Illness Stigma and Discrimination
- Feb 16 NIH: Influence of Religiosity and Spirituality on Health Risk Behaviors in Children and Adolescents
- Feb 16 NIMH: Community-Based Participatory Research (R21)
- Feb 21 CDC: Understanding Risk and Protective Factors for Sexual Violence Perpetration and the Overlap with Bullying Behavior
- Feb 21 CDC: Abusive Head Trauma Prevention
- Feb 21 NIMH: Interdisciplinary Behavioral Science Centers for Mental Health
- Feb 23 CDC: Dissemination Research on Fall Prevention (U49)
- Feb 23 NIAMS: Small Grant Program for New Investigators
- Feb 23 NIDA: Joint NIDA-NIJ Initiative for Research on Retail Drug Markets (R21)
- Feb 28 CDC: Maximizing Protective Factors for Youth Violence
- Feb 28 CDC: Impact of Traumatic Brain Injury Among Incarcerated Persons

Homeland Security

- Feb 22 Stand-Off Radiation Detection Systems

Interior

- Feb 16 USGS: Water Resources Research

Justice

- Feb 06 Community Corrections: Evaluating the Effectiveness of Electronic Monitoring for Moderate- to High-Risk Offenders Under Supervision

National Science Foundation

- Feb 01 MPS & GEO: Collaboration in Mathematical Geosciences
- Feb 01 SBE: Science and Society
- Feb 02 CISE: CONACyT Collaborative Research
- Feb 02 SBE: Innovation and Organizational Change

NSF cont.

- Feb 05 MPS: Discovery Corps Fellowships (Chemical Sciences)
- Feb 07 ENG: Materials Use—Science, Engineering, and Society
- Feb 08 OCI: Strategic Technologies for Cyberinfrastructure
- Feb 14 CISE: Emerging Models and Technologies for Computation
- Feb 15 ENG: Engineering Design
- Feb 15 ENG: Nanomanufacturing
- Feb 15 GEO: Marine Geology and Geophysics; Biological and Chemical Oceanography
- Feb 19 CISE: Theoretical Foundations
- Feb 19 MPS: Interdisciplinary Grants in Mathematical Sciences
- Feb 20 SBE: International Research and Education—Planning Visits and Workshops

State

- Feb 09 USAID: Water and Sanitation Program

Other**Alcoholic Beverage Medical Research Foundation**

- Feb 01 Research Grants

American Chemical Society

- Feb 01 Women Chemists Committee Travel Awards

American Council of Learned Societies

- Feb 01 Conference and Travel Grants in Southeast European Studies

American Dietetic Association

- Feb 01 Nutrition Education; Food Service Management; Lifestyle Innovation Research

American Numismatic Society

- Feb 15 Graduate Seminar

American Society for Microbiology

- Feb 01 General Meeting Minority Travel

American Society of Nephrology

- Feb 09 Student Scholar Grants

(Mary Kay) Ash Foundation

- Feb 15 Translational Research Grants for Ovarian, Uterine, Cervical, or Breast Cancer

Asian Cultural Council

- Feb 01 Asian Art and Religion Fellowship; Japan-U.S. Arts Program; Residency Program in Asia

Association of Asian Studies

- Feb 01 Travel, Conference, and Research Grants

Association of Field Ornithologists

- Feb 15 Research Grants

Association for Women in Mathematics

- Feb 01 Travel Grants

Center for Gastrointestinal Biology and Disease

- Feb 16 Pilot Research Grants

Filson Historical Society

- Feb 15 Fellowships

Geological Society of America

- Feb 01 Research in Geomorphology

Greenwall Foundation

(Bioethics)

- Feb 01 Interdisciplinary Research Program

International Foundation for Education and Self Help

- Feb 28 Teachers for Africa

International Research and Exchanges Board

- Feb 01 Short-Term Travel Grants: Central/Eastern Europe, Eurasia, Iran, and Turkey

Mycological Society of America

- Feb 15 Research Grants

National Council for Eurasian and East European Research

- Feb 15 Research Fellowships

National Foundation for Infectious Diseases

- Feb 01 Traveling Professorships in Rural Areas

Royal Society - United Kingdom

(Science, Engineering, Agriculture)

- Feb 08 U.S./Canada Research Fellowships

March 2007**Federal****Agriculture**

- Mar 08 CSREES: Microbial Genome Sequencing

Commerce

- Mar 15 NIST: Pan-Pacific Education and Communications Experiments by Satellite

Defense

- Mar 01 AMCOM: Innovative Technologies in Support of AMRDEC
- Mar 08 SERDP: Innovative Approaches for Non-Destructive Sensing and Analysis of the Integrity of Historic Buildings and Structures
- Mar 09 DARPA: Hybrid Insect MEMS
- Mar 09 ESTCP: Environmental Security Technology Certification
- Mar 13 DARPA: Micro Isotope Power Sources
- Mar 19 DARPA: Experimental and Theoretical Development of Quantum Information Science
- Mar 31 ARI: Fundamental Research in Behavioral Science—Training, Leader Development, and Soldier/Personnel Issues

Energy

- Mar 20 New Genomic Strategies and Technologies for Studying Complex Microbial Communities and Validating Genomic Annotations

Health and Human Services

- Mar 01 HRSA: Research on Emergency Medical Services for Children
- Mar 01 NCI: Established Investigator Award in Cancer Prevention and Control
- Mar 14 NIMH: Interdisciplinary Developmental Science Centers for Mental Health (IDSC): Formative Centers (P20)
- Mar 15 NIH: The Genes, Environment, and Development Initiative
- Mar 21 NIEHS: Superfund Basic Research and Training
- Mar 26 NIAID: Medical Countermeasures to Restore Gastrointestinal Function After Radiation Exposure: Project Bioshield

Interior

- Mar 05 National Business Center: Research on English and Foreign Language Exploitation

National Archives and Records Administration

- Mar 01 Hoover Presidential Library: Travel Grants

National Endowment for the Arts

- Mar 01 Fellowships for Creative Writers

National Science Foundation

- Mar 01 MPS: Minority Postdoctoral Fellowships
- Mar 01 Biochemical Engineering
- Mar 01 Energy for Sustainability
- Mar 01 Environmental Engineering
- Mar 01 ENG: Chemical Reaction Processes Program
- Mar 01 ENG: Interfacial, Transport, and Separation Processes
- Mar 01 ENG: Fluid and Particle Processes
- Mar 01 ENG: Thermal Systems
- Mar 08 BIO: Microbial Genome Sequencing
- Mar 08 EHR: Informal Science Education
- Mar 09 OD: Western Arctic Shelf-Basin Interactions
- Mar 09 OD: Bering Ecosystem

NSF cont.

- Mar 15 GEO: Earth Sciences: Instrumentation and Facilities
- Mar 16 International Polar Year
- Mar 16 Assembling the Tree of Life

Other**American Alpine Club**

- Mar 01 Research Grants

American Historical Association

- Mar 01 Fellowship in Aerospace History

American Parkinson Disease Association

- Mar 01 Research Grants

American Society for Engineering Education

- Mar 08 NASA Faculty Fellowship

American Society of Nephrology

- Mar 09 Junior Development Grant in Geriatric Nephrology; Merrill Grant in Transplantation; Research Scholar Grants
- Mar 15 RO1 Bridge Funding

Ellison Medical Foundation

- Mar 01 New Scholar in Aging
- Mar 08 Senior Scholar in Aging

Evolving Earth Foundation

- Mar 01 Earth Sciences Awards (Undergraduate, Graduate, and Postdoctoral)

Human Frontier Science Program Organization

- Mar 20 Young Investigator Research Grants

International Tropical Timber Organization

- Mar 29 Fellowships

Japan-U.S. Friendship Commission

- Mar 01 Arts Program; Japanese Studies in the U.S.; Public Affairs/Education; Study of the U.S. in Japan

Ladies Auxiliary to the Veterans of Foreign Wars

- Mar 01 Postdoctoral Cancer Research Fellowships

Milheim Foundation for Cancer Research

- Mar 15 Research Grants

National Council for Social Studies

- Mar 21 Enhancement of Geographic Literacy

National EpiFellows Foundation (Epilepsy)

- Mar 21 Research Grants

Norway-America Association

- Mar 23 Norwegian Marshall Fund

Oak Ridge Associated Universities

- Mar 01 Fusion Energy Postdoctoral Research

Prevent Blindness America

- Mar 01 Research Grants

Sontag Foundation

- (Brain Cancer Research)
- Mar 21 Grants

Tilker Medical Research Foundation (Neurodegenerative Diseases)

- Mar 01 Research Grants

Voice Foundation

- (Otolaryngology, Speech and Language Disorders, Speech Pathology)
- Mar 15 Research Grants

WaterReuse

- (Water Reuse and Desalination, Water Resources & Engineering, Water Treatment)
- Mar 17 Research Grants

White House Historical Association

- Mar 01 Research Grants

Wilson Center for Scholars

- Mar 01 Short-Term Grants in East European Studies

AWARDS PROCESSED

Externally funded grants and contracts processed during December 2006

Title	Investigator(s)	Department(s)	Agency	Award
Research Awards				
*Characterizing the Protective Effects of Soy Oil on Risk Markers for Cardiovascular Diseases	K. Ajuwon W. Banz A. Higginbotham	Animal Science, Food and Nutrition ASFN ASFN	Illinois Soybean Association	\$5,000
*Evaluation of a Novel Method to Screen Chiral Separations	M. McCarroll	Chemistry	Merck Research Laboratories	\$10,000
*Evaluating Alternatives for Watershed-Scale Design of BMPs	J. Nicklow	Civil Engineering	National Institute of Water Resources (USDI/USGS)	\$44,893
*Agent-Based Methods for Intelligence, Surveillance, and Reconnaissance	H. Hexmoor	Computer Science	Sierra Nevada Corp.	\$35,000
*Clinical Decision Support System for Early Prediction of Obesity in Children (Phase I)	S. Rahimi	Computer Science	Herrin Clinic, Ltd.	\$33,618
*Distributed Computational Monitoring and Steering System	M. Zhu	Computer Science	USDOE/Oak Ridge National Laboratory	\$50,362
*Deer Herbivory on Property Owned by the Lake County Forest Preserve District	C. Nielsen	Cooperative Wildlife	Lake County Forest Preserve District	\$8,672
Low-Power Terahertz Optical A/D Converter	M. Sayeh	Electrical and Computer Engineering	U.S. Navy/Office of Naval Research	\$199,292
Quad Cities Fisheries Investigations 2007	R. Heidinger D. Bergerhouse	Fisheries Center Fisheries Center	Exelon Generation Co.	\$250,000
*Management Practices of Mitigating Off-Site Transport of Soil-Adsorbed Pesticides: Evaluation of Alternatives and Methods	M. Lydy	Fisheries Center	U of California, Berkeley (California State Water Resources Control Board)	\$215,783
*Expansion of the Illinois Shared Enrollment and Graduation Database	L. Schilling	Institutional Research and Studies	IBHE/HECA	\$143,126
*Examining Professional Competency	T. Koschmann	Medical Education	USDHHS/NIH/NIMH	\$72,250

Title	Investigator(s)	Department(s)	Agency	Award
*Prostanoid Signaling in Carcinoma	D. Nie	Medical Microbiology and Immunology	Excellence in Academic Medicine	\$12,500
*Gene-Specific Silencing for Lung Cancer Therapy	K. Watabe	Medical Microbiology and Immunology	American Lung Association	\$34,815
*Mechanism of Tumor Metastases Suppression in Drg-1	K. Watabe	Medical Microbiology and Immunology	Excellence in Academic Medicine	\$12,500
Housing Opportunities for Persons with AIDS (HOPWA) Program	N. Khardori	Medicine	IDPH	\$78,336
Uranium Immobilization Through Fe(II) Biooxidation: A Column Study	L. Achenbach	Microbiology	U of California, Berkeley (USDOE/Natural and Accelerated Bioremediation Research)	\$82,894
Field Demonstration of Recovery, Efficiency, and Coal Quality at an Illinois Mine	A. Patwardhan Y. Chugh	Mining and Mineral Resources Engineering Mining and Mineral Resources Engineering	IDCEO/ICCI	\$20,854
*Multiple Sclerosis Proteomics Pilot Project	J. LaGuardia	Neurology	Pfizer, Inc.	\$37,500
*Agricultural Production Research	J. Russin	Plant, Soil, & Ag Systems	Various Donors	\$38,000
*Southern Illinois Methamphetamine Needs Assessment	S. Koch S. Davis	Rehabilitation Institute Rehabilitation Institute	Southern Illinois Healthcare	\$10,000
*Developing D-Methionine as an Amnioglycoside Otoprotectant	K. Campbell	Surgery	Excellence in Academic Medicine	\$12,500
*Belatacept Evaluation of Nephroprotection and Efficacy as First-Line Immunosuppression Trial	T. O'Connor	Surgery	Bristol-Myers Squibb	\$253,254
*Life History and Population of <i>Moxostoma poeciliurum</i> (Jordan), the Blacktail Redhorse (Cypriniformes: Catostomidae), in Terrapin Creek, Graves County, Kentucky	B. Burr R. Gerwig	Zoology Zoology	Kentucky Dept. of Fish and Wildlife Resources	\$49,348

Training Awards

Motorcycle Rider Safety Training Program	M. Ashner S. Starkey	Health Ed and Recreation Health Ed and Recreation	IDOT	\$544,858
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Title	Investigator(s)	Department(s)	Agency	Award
Other Awards				
*Samuel Harris Fund for Children's Dental Health Grants Program	S. Bryson C. Reed	Affirmative Action Affirmative Action	American Dental Association Foundation	\$5,000
National Airport Safety Data Program - Arizona Inspections	D. NewMyer	Aviation Management and Flight	GCR & Associates, Inc. (USDOT/FAA)	\$2,250
*Let's Wing It!	L. Ruiz B. Shelton	Aviation Management and Flight Applied Sciences and Arts	Illinois State U/Illinois Center for Specialized Professional Support (USED)	\$5,000
WSIU Ready to Lead in Literacy	E. Spezia R. Dillard	Broadcasting Service Broadcasting Service	Corporation for Public Broadcasting	\$25,000
29th Annual Big Muddy Film Festival	M. Covell	Cinema and Photography	IAC	\$4,160
<i>Crab Orchard Review</i>	A. Joseph J. Tribble	English English	IAC	\$7,610
Southern Illinois Symphony Orchestra	E. Benyas	Music	IAC	\$16,530
Altgeld Performing Artist Series	K. Ginther	Music	IAC	\$6,860
Southern Illinois Children's Choir, 2006-2007 Season	R. Weiss	Music	IAC	\$2,470
*Southern Illinois Children's Choir, 2006-2007 Season	R. Weiss	Music	Target Stores	\$1,000
Autism Center for Excellence	A. Cuvo	Rehabilitation Institute	The Hope School (IDHS)	\$487,750
Jackson County Jail GED Project	D. Shelton K. Humphreys	Rehabilitation Institute Rehabilitation Institute	Jackson County Jail	\$7,100
Shryock Auditorium Events 2006-2007	M. Shackleton	Shryock Auditorium	IAC	\$38,550
*McLeod Summer Playhouse	M. Varns T. Fink	Theater Music	IAC	\$9,100

*indicates new award

Awards Processed During December 2006 (39) \$2,873,735

Summary of Fiscal Year 2007 Awards Received to Date

excludes Financial Aid Office awards

	Fiscal Year 2007 Awards as of December 2006		Fiscal Year 2006 Awards as of December 2005	
Research	(160)	\$13,439,583	(173)	\$15,952,585
Training	(30)	\$2,979,697	(31)	\$2,443,126
Other	(98)	\$24,131,815	(97)	\$18,165,998
Federal	(53)	\$11,032,924	(71)	\$14,610,335
State	(108)	\$18,157,343	(97)	\$12,040,441
Industry	(23)	\$1,224,226	(29)	\$1,259,867
Foundation	(20)	\$651,324	(19)	\$1,189,548
Other	(84)	\$9,485,279	(85)	\$7,461,518
TOTAL	(288)	\$40,551,096	(301)	\$36,561,709

Fiscal Year 2007 Awards as of December 2006

awards distributed among investigators

	Research	Training	Other	Total
College of Agricultural Sciences	\$1,836,938	\$0	\$7,150	\$1,844,088
College of Applied Sciences and Arts	\$0	\$0	\$172,083	\$172,083
College of Business and Administration	\$0	\$27,274	\$0	\$27,274
Office of the Chancellor	\$0	\$0	\$3,918,547	\$3,918,547
College of Education and Human Services	\$14,877	\$838,109	\$14,021,838	\$14,874,824
College of Engineering	\$1,391,518	\$938,941	\$0	\$2,330,459
Illinois Clean Coal Institute	\$2,284,212	\$0	\$0	\$2,284,212
School of Law	\$0	\$0	\$116,576	\$116,576
College of Liberal Arts	\$643,034	\$262,193	\$838,543	\$1,743,770
Library Affairs	\$28,341	\$0	\$28,000	\$56,341
College of Mass Communication and Media Arts	\$0	\$0	\$1,373,017	\$1,373,017
School of Medicine-Carbondale	\$408,960	\$55,752	\$155,000	\$619,712
School of Medicine-Springfield	\$3,754,782	\$400,831	\$759,765	\$4,915,378
Plant and Service Operations	\$0	\$16,000	\$148,900	\$164,900
Office of the Provost and Vice Chancellor	\$0	\$86,933	\$0	\$86,933
College of Science	\$1,769,735	\$128,816	\$22,923	\$1,921,474
Security Office	\$0	\$0	\$759	\$759
Shryock Auditorium	\$0	\$0	\$38,550	\$38,550
Student Affairs & Enrollment Management	\$0	\$0	\$305,017	\$305,017
Office of Vice Chancellor for Research	\$1,307,186	\$224,849	\$2,225,147	\$3,757,182

ORDA DIRECTORY of ASSISTANCE

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

FUNDING OPPORTUNITIES & RESEARCH MATTERS

- Joel Fritzler, 453-4530, jcfritz@siu.edu

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, Ctr. for Rural Health, Liberal Arts, Library Affairs, Mass Communication and Media Arts:** Jo Nast, 453-4540, jonast@siu.edu
- **Agriculture, Incubator, Graduate School, Law, Medicine, Student Affairs:** Joel Fritzler, 453-4530, jcfritz@siu.edu
- **Applied Sciences, Business, Continuing Education, Education, Fisheries, Science, Wildlife:** Erick Schwartz, 453-4542, ericks@siu.edu
- **Engineering:** Steve Banker, 453-4540, sbanker@siu.edu

CONTRACTS & SUBCONTRACTS, AUDITS

- Sonjie Schwartz, 453-4541, sonjie@siu.edu

INTERNAL FUNDING PROGRAMS

See 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.

HUMAN SUBJECTS RESEARCH COMPLIANCE

Advance institutional approval is required for all research projects involving human subjects. See www.siu.edu/orda/human, or contact the Human Subjects Committee secretary, 453-4533.

OTHER RESEARCH COMPLIANCES

Projects involving vertebrate animals or hazardous materials (including recombinant DNA) require advance approval.

- **Institutional Animal Care and Use Committee:** see www.siu.edu/~iacuc or contact the committee secretary at 453-4533.
- **Institutional Biosafety Committee:** contact Douglas Fix, Biological Safety Officer, 453-7180, dfix@cehs.siu.edu.
- **Radiological Control Committee:** contact Richard Dyer, Radiation Safety Officer, 536-2015, rdyer@cehs.siu.edu.
- **Hazardous Chemical Oversight:** contact Paul Restivo, Director, Center for Environmental Health and Safety, 453-1632, restivo@cehs.siu.edu.

REACH (UNDERGRADUATE RESEARCH PROGRAM)

- Jo Nast, 453-4540, jonast@siu.edu, www.siu.edu/~reach

TECHNOLOGY TRANSFER (PATENTS/COPYRIGHTS)

- Jeff Myers, 453-4556, jmyers@siu.edu, www.siu.edu/~techtransfer

ORDA PUBLICATIONS & WEB SITE

- Marilyn Davis, 453-4540, mdavis@siu.edu
- See www.siu.edu/orda/reports for a list of print and electronic publications. A comprehensive Sponsored Project Guide is on-line at www.siu.edu/orda/guide.

RESEARCH SUPPORT FACILITIES

The facilities provide services ranging from micro-imaging to equipment fabrication. See www.siu.edu/~ovcr/support.html.

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



Southern
Illinois University
Carbondale