



RESEARCH MATTERS

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OF SPECIAL NOTE

Research Matters to be Available Online Only; E-mail ORDA Today to Receive Monthly Notification

For the last few years, ORDA's publication staff has discussed changing the availability of this monthly newsletter from both a print copy and an electronic copy format to an electronic format only. The current budget situation has made the decision for us. So, **starting with the April 2009 issue, Research Matters will only be available electronically** in an HTML format.

If you are currently reading a hard copy of *Research Matters* and you would like to be notified of the online availability of each new issue, you need to send your e-mail address to jcfritz@siu.edu.

Notification of Intent Lead Time to Change

Effective immediately, the deadline for Notification of Intent forms for **limited-submission** grant programs has been changed from 30 to **45** calendar days. If the program's proposal limit is exceeded, principal investigators will have **1 week** after the notification date to get initial materials to ORDA (3- to 5-page project description, 1-page budget, CVs). The Vice Chancellor for Research will establish a committee to oversee proposal selection. **The goal is to give selected researchers more time to work on their final proposals.**

Important Foreign Travel Information for SIUC Employees

Important information about medical assistance and travel security information for faculty and staff traveling in a foreign country on University business are contained in a document called **ACE Executive Assistance Services** (http://www.siu.edu/ora/rates/AR-M355N_20090202_160328.pdf). It is a good idea to take this document with you when you travel. In addition, contact Jenny Richardson at 453-3713 for a user name and password that will allow access to CityBrief, a web site with information about your destination, including security information. **Take this user name and password with you.**

Please notify Risk Management if travel is planned to any country or jurisdiction which is subject to trade or economic sanctions imposed by U.S. laws or regulations.

Travelers may also want to register foreign trips at www.state.gov/travelandbusiness. This will make your presence known at the U.S. Embassy, in case it is necessary for a consular officer to contact you in an emergency.

For information about SIUC's foreign insurance coverage, contact Jenny Richardson at 453-3713 or jcool@siu.edu.

Early Stage Investigation (ESI) Eligibility Determined with New eRA Commons Features

—from *eRA Commons e-mail*, Jan. 14, 2009

Scientists who have attained their last degree or completed their medical residency or equivalent within the last 10 years and have not received a substantial NIH research grant may be eligible to be categorized as an **Early Stage Investigator**. Once PIs update their Personal Profile in eRA Commons with their degree information and medical residency completion dates, the system will determine their eligibility. R01 grant applications will be flagged as Early Stage Investigator applications, beginning with the February 2009 R01 submissions, and will receive special consideration during review and award.

PIs will also have the ability to Edit and/or Delete a Medical Residency record and the ability to Add New Medical Residency information. The Add New Residency section will not be available if degree information is not entered.

RESEARCH DIGEST

Yale University Pays \$7.6 Million to Resolve False Claims Act Allegations

—excerpted from *U.S. Dept. of Justice press release*, Dec. 23, 2008

Yale University has entered into a civil settlement agreement with the federal government in which it will pay \$7.6 million to resolve allegations that it violated the False Claims Act and the common law in the management of federally-funded research grants awarded to the university between January 2000 and December 2006. The grant awards were made by approximately 30 federal agencies and entities, including NIH, NSF, DOE, DOD, and NASA. These five agencies provided approximately 94 percent of the almost \$3 billion in

federal grant funding to Yale during the time period.

The investigation focused on allegations involving two types of mischarges to federal grants. Both types of mischarges arose as violations of the basic principle that recipients of federal grants are allowed to charge to each grant account only “allocable” costs, which are costs that relate to the specific objectives of that grant project. The first allegation involved cost transfers and the requirement that costs transferred to a federal grant account must be allocable to that particular grant account. The settlement resolves allegations that some Yale researchers at times improperly transferred charges to a federal grant account to which those charges were not allocable. Researchers allegedly were motivated to carry out these wrongful transfers when the federal grant was near its expiration date and they needed to spend down the remaining grant funds. Federal regulations require that unspent grant funds be returned to the government.

The second allegation involved salary charges and the requirement that charges to federal grant accounts for researcher time and effort must reflect actual time and effort spent on a particular grant. It was alleged that some Yale researchers submitted time and effort reports, for summer salary paid from federal grants, that wrongfully charged 100 percent of their summer effort to federal grants when, in fact, the researchers expended significant effort on unrelated work. Researchers allegedly were motivated to carry out these wrongful salary charges by the fact that they are not paid their academic-year salary by Yale during the summer. The only salary received by these researchers during the summer was the result of the effort they charged to federal grants. Absent the alleged grant mischarges, the researchers would not have been paid.

The \$7.6 million payment comprises two components: \$3.8 million in actual damages for the false claims, and \$3.8 million assessed as penalties for the false claims. The False Claims Act provides for

up to treble damages and penalties of \$5,500 to \$11,000 per false claim submitted to the government. “This settlement sends a clear message that the regulations applicable to federally-funded research grants must be strictly adhered to,” stated Acting U.S. Attorney Nora Dannehy.

Scientific Integrity at Issue

—from *Science*, Dec. 12, 2008

A new high-profile group is launching the first major nonpartisan effort to study how the U.S. government ought to use scientific information to make decisions. “We will be looking at what policymakers can do that is legitimate and what is beyond the pale,” says David Goldston, an organizer for the 13-member panel and former staff director for the U.S. House of Representatives Science and Technology Committee. He says the group is not trying “to dissect what the Bush Administration has done right or wrong.” Instead, it will examine federal advisory boards, conflict-of-interest policies, and what role scientists should play in decisions by regulatory agencies such as the USEPA. The panel includes former Bush Administration officials, former House Science Chair Sherwood Boehlert (R-NY), and the president of the left-leaning Union of Concerned Scientists, which has criticized the Bush Administration for alleged political meddling in federal science. The group hopes to release its report in June.

Genome Researcher May Be Next to Lead NIH

—excerpted from *The Chronicle of Higher Education*, Jan. 16, 2009

Francis Collins, a former director of the National Human Genome Research Institute, may be in line to head the National Institutes of Health in the Obama administration. A report in *Science* magazine’s ScienceInsider blog cites Alan Trounson, president of the California Institute for Regenerative Medicine, as saying he has heard repeated mention of Dr. Collins for

the post of NIH director. Asked about the matter this month at a meeting of an Obama transition team, Dr. Collins said, "No comment," ScienceInsider reported.

Dr. Collins led NIH participation in the Human Genome Project before resigning in August. He had been at the NIH since 1993, after serving on the faculty of the University of Michigan at Ann Arbor.

Science Areas to Watch in 2009

—from *Science*, Dec. 19, 2008

In 2009, the editors of *Science* magazine will be watching plant genomics, ocean acidification, neuroscience in court, the next international climate summit, dark-matter annihilations, "speciation genes," and the Tevatron.

Plant genomics. Maize got the U.S. government behind deciphering plant DNA. In 2009, expect to see the analysis of its genome published, along with a bumper harvest of DNA sequences from other plants: crops such as soybean and foxtail millet; biofuels plants; monkey flower, much studied by ecologists; and a primitive plant called a lycopod. Several fruits are in the works, and other projects are gaining momentum. And to understand genetic variation, hundreds of strains of the model plant *Arabidopsis* are being sequenced.

Ocean fizz. Acidification of the oceans driven by rising atmospheric carbon dioxide continues apace. The falling pH is bad news for sea creatures, from coral reefs to microscopic plankton. But the looming threat has yet to gain a poster child the likes of global warming's polar bear. Look for a rising tide of studies confirming the pervasive detrimental effects of ocean acidification, although whether more science will grab the public's attention is problematic.

Neuroscience in court. Scientists and legal scholars cringed this year when an Indian court convicted a woman of murdering her fiancé, citing electroencephalograms that purportedly revealed

neural activity indicating "experiential knowledge" of the crime. Although images of anatomical abnormalities in the brain have previously been introduced as mitigating evidence during sentencing, the use of methods that measure brain activity is far more controversial. Even so, at least two companies now offer lie-detection services based on functional magnetic resonance imaging. Ready or not, neuroscience appears poised to have its day in court.

Road to Copenhagen. A 12-day international climate summit in November 2009 marks the deadline for countries to set a successor for the Kyoto treaty, which expires in 2012. Can the United States, China, and India agree to binding targets tough enough to mitigate global warming? Will the agreement include funding for developing nations to adopt Western energy technologies and adapt to a warming world? President-elect Barack Obama has pledged that the United States will take a leading role in the talks and will push for a mandatory system. But with the world economy reeling and oil prices low, he'll face a tough crowd in the U.S. Senate, where lawmakers from coal and car states will want to block any deal that doesn't provide maximum leeway.

Darkness visible. Are particles of exotic dark matter annihilating each other in the heavens to produce high-energy cosmic rays? This year, the orbiting PAMELA particle detector and the ATIC balloon experiment reported possible signs of such annihilations. Next year, PAMELA should test the consistency of its result and ATIC's, and NASA's Fermi Gamma-ray Space Telescope, launched this June, will look for photons from dark-matter annihilations. Still, don't expect the stuff to be lured into the light by next December.

Defining species. In the 200th anniversary of Darwin's birth and the 150th of his *On the Origin of Species*, expect more clues about genes that split species into two. In 2008, researchers discovered several sources of genetic incompatibilities that prevent successful reproduction in animals as varied as nematodes and

mice. Thanks to advances in genetics, gene sequencing, and protein surveying, they expect to find more and more of such "speciation genes" in coming months.

Tevatron's triumph. Researchers in Switzerland will be scrambling to get the gargantuan Large Hadron Collider up and smashing particles. But the real drama should unfold at the Fermi National Accelerator Laboratory in Batavia, IL, where next year the Tevatron Collider should have produced just enough data to reveal signs of the Higgs boson—if its mass is as low as indirect evidence suggests. Don't be surprised to hear shouts of "Eureka!" if not next year then in 2010, when all of next year's data are analyzed.

Could U.S. Topple Europe as the Driver of Climate-Change Regulations?

—excerpted from *Nature*, Dec. 18, 2008

The recently concluded U.N. conference on climate change marked the last phase of eight years of foot-dragging by U.S. negotiators. For one last time, the designated US representatives at international climate talks came from the administration of President Bush, who rejected the Kyoto Protocol immediately after taking office and whose team has stalled any meaningful progress since. But by this time next year, when the world's negotiators convene in Copenhagen to try to hammer out a deal to succeed the Kyoto accord, the lame ducks will be gone. In their place will be representatives of a new U.S. president who has promised to make control of greenhouse-gas emissions a central focus of his administration.

As if to dramatize how difficult the task will be, European Union (EU) representatives crashed and burned in December as they attempted to lay out the next phase of Europe's otherwise groundbreaking emissions trading scheme. Caving to political pressure from Italy and Poland, the French president and the outgoing EU chief crafted a

compromise that satisfies many—in the fossil-fuel industry, that is. Rather than holding heavy industries accountable for their emissions, the new deal gives the heaviest polluters significant leeway. The very industries that account for some of the highest levels of emissions can now apply for exemptions that could grant them free emissions permits even after 2020. Everyone else will have to start paying in 2013. EU leaders praised the deal, but the concessions it contains are likely to harm the trading system irrevocably, allowing industry to further delay the radical changes needed to clean up its business.

Climate leadership may pass instead to the U.S., which will need to set tough emissions limits if it wants to do better than Europe. If Obama is as serious as he claims to be about establishing a cap-and-trade regime, his administration will need to carefully consider the lessons of the European experience. For starters, a U.S. system should avoid giving away emission permits so freely, and consider setting a minimum price for them.

FUNDING OPPORTUNITIES

For more information about these programs, contact Joel Fritzler, ORDA Information Specialist, at 453-4530 or jcfritz@siu.edu.

DOD: Prostate Cancer Research

The overall goal of the Department of Defense's FY09 Prostate Cancer Research Program (PCRP) is to find and fund innovative, high-impact research relevant to the prevention, detection, diagnosis, and/or treatment of human prostate cancer.

Applications for the PCRP Synergistic Idea Development Award must address **one or more** of the **FY09 PCRP Focus Areas**:

Imaging: Development of new imaging technology for the detection, prognosis, and treatment of prostate cancer.

Biomarkers: Discovery and validation of biomarkers for the detection, prognosis, and progression of prostate cancer, including determination of therapeutic response.

Therapy: Identification of new targets, pathways, and therapeutic modalities or molecules for the treatment of prostate cancer.

Genetics: Understanding the genetics and epigenetics responsible for prostate cancer susceptibility, disease progression, and treatment outcomes

Tumor Biology: Understanding the etiology of prostate cancer, including the heterogeneity and microenvironment as it relates to initiation, progression, and prognosis.

Survivorship: Studies on the impacts of treatment, nutrition, metabolism, and exercise on the well-being of prostate cancer patients and their families.

The FY09 appropriation is \$80 million. For additional information about this program, see <http://tinyurl.com/bvl7zc> or contact the Congressionally Directed Medical Research Programs office (301-619-7079, cdmrp.pa@amedd.army.mil).

DEADLINE: March 3 (required pre-application)

DOD: Investigator-Initiated Research

This program is intended to support studies that make an important contribution to research and/or patient care in at least one of the congressionally directed FY09 PRMRP topic areas (see page two at website below) and are responsive to the health care needs of the Armed Forces, their family members, and/or the U.S. veteran population. All applications must specifically and clearly address the military relevance of the proposed research. Collaboration with military researchers and clinicians is encouraged. Research projects may focus on any phase of research from basic laboratory research through translational research,

including preclinical studies in animal models and human subjects, as well as correlative studies associated with an existing clinical trial. Observations that drive a research idea may be derived from a laboratory discovery, population-based studies, or a clinician's first-hand knowledge of patients and anecdotal data.

For additional information about this program, see <http://tinyurl.com/as4reh> or contact the Congressionally Directed Medical Research Programs office (301-619-7079, cdmrp.pa@amedd.army.mil).

DEADLINE: March 19 (required pre-application)

NIH: Academic-Community Partnership Conference

This announcement solicits National Institute of Child Health and Human Development (NICHD) Cooperative Agreement Conference applications to conduct health disparities-related meetings, workshops, and symposia. The objectives of these meetings will be to establish academic-community partnerships, identify community-research priorities, and develop long-term collaborative agendas. Areas of focus for these partnerships may include one or more of the following community-health issues: infant mortality; sudden infant death syndrome (SIDS); violence prevention; techniques for outreach and information dissemination; childhood, adolescent, and/or adult obesity; health literacy; uterine fibroid tumors; and pediatric and maternal HIV/AIDS prevention.

For additional information about this program, see <http://tinyurl.com/cs33nv> or contact Jean Flagg-Newton (301-435-2736, flaggnewj@mail.nih.gov) or Carl Hill (301-435-2736, hillcv@mail.nih.gov).

DEADLINE: March 31

NIAMS: Small Grant Program for New Investigators

The National Institute of Arthritis and Musculoskeletal and Skin Diseases

(NIAMS) is seeking small grant (R03) applications to stimulate and facilitate the entry of promising new investigators into research on arthritis and musculoskeletal and skin diseases and injuries. This program will provide support for pilot research that is likely to lead to a subsequent individual research project grant (R01).

It is estimated that up to 20 awards will be made from an anticipated funding amount of \$1.5 million. For additional information about this program, see <http://tinyurl.com/5lhcog> or contact Marie Mancini (301-594-5032, manim2@mail.nih.gov).

DEADLINE: June 23

USDA: Organic Agriculture Research

The purpose of this program is to fund projects that will enhance the ability of producers and processors who have already adopted organic standards to grow and market high-quality organic agricultural products. These funds will be allocated for high-priority aspects of organic agricultural systems research and extension. Priority concerns include biological, physical, and social sciences, including economics.

The Organic Research and Extension Initiative (OREI) has eight legislatively defined goals. Applicants are encouraged to develop proposals which give consideration to as many of the following goals as feasible: (1) facilitating the development of organic agriculture production, breeding, and processing methods; (2) evaluating the potential economic benefits to producers and processors who use organic methods; (3) exploring international trade opportunities for organically grown and processed agricultural commodities; (4) determining desirable traits for organic commodities; (5) identifying marketing and policy constraints on the expansion of organic agriculture; (6) conducting advanced on-farm research and development that emphasizes observation of, experimentation with, and innovation for working organic farms, including research relat-

ing to production and marketing and to socioeconomic conditions; (7) examining optimal conservation and environmental outcomes relating to organically produced agricultural products; and (8) developing new and improved seed varieties that are particularly suited for organic agriculture.

The OREI is particularly interested in projects that emphasize research and outreach that assist farmers and ranchers with whole farm planning and ecosystem integration. It is anticipated that \$17.3 million will be available for the program. For additional information, see www.csrees.usda.gov/funding/rfas/OREI.html or contact Tom Bewick (202-401-3356, tbewick@csrees.usda.gov).

DEADLINE: March 9

NSF: Foundations of Data and Visual Analytics

Individuals working in areas as diverse as science, engineering, finance, medicine, and national security all face the challenge of synthesizing information and deriving insight from massive, dynamic, ambiguous, and possibly conflicting digital data. The goal of collecting and examining these data sets is not to merely acquire information, but to derive increased understanding from them and to facilitate effective decision-making. To capitalize on the opportunities provided by these data sets, research in Foundations of Data and Visual Analytics (FODAVA) seeks to facilitate analytical reasoning through the use of interactive visual interfaces. To be successful, this research must extend beyond traditional scientific and information visualization to include statistics, mathematics, knowledge representation, management and discovery technologies, cognitive and perceptual sciences, decision sciences, and more.

With this solicitation, the National Science Foundation invites research proposals whose outcomes will enable data stakeholders to detect the expected and discover the unexpected in massive data sets. Research outcomes will be applicable across broad application

areas, establishing a solid scientific foundation for visual analytics systems of the future.

Proposals should focus on creating fundamental research advances that will be widely applicable across scientific, engineering, commercial, and governmental domains that utilize visualization and analytics to gain insight and derive knowledge from massive, often streaming, dynamic, ambiguous, and possibly conflicting, data sets. Research activities proposed should emphasize novel data transformations, while also demonstrating research relevance to visual analytics systems by including a research component in areas such as, but not limited to, visualization, human-computer interaction, and cognitive psychology.

It is estimated that four to five, two- or three-year FODAVA-Partner grants totaling \$300,000 to \$500,000 each will be made each year from an anticipated funding amount of \$1.7 million. For additional information about this program, see <http://tinyurl.com/74vc4m> or contact Lawrence Rosenblum (CS Contact: 703-292-8910, Irosenbl@nsf.gov) or Tie Luo (Math Contact: 703-292-8448, tluo@nsf.gov).

DEADLINE: April 2

DOD: Earthquake Engineering

The U.S. Army's Geotechnical and Structures Laboratory has announced funding for research in earthquake engineering. Research areas of interest include the dynamic behavior of soil and rock; liquefaction of soils, including coarse-grained and fine-grained soils; in-situ testing to evaluate properties related to dynamic behavior; in-situ testing to evaluate susceptibility to liquefaction; methods of analysis of dynamic behavior of earth materials; methods of analysis of dynamic soil/structure interaction; risk-based and probability-based methods of analysis; seismic wave propagation in earth materials; seismically induced settlements in soils, and remedial treatment of soils potentially susceptible to earthquake-induced instability or strength loss; computer visualization and

dynamic simulation; site response analysis; and strong motion instrumentation.

For additional information about this program, see www.mvk.usace.army.mil/contract/other.asp or contact Joseph E. Koester (601-634-2202).

DEADLINE: Open

Russell Sage Foundation: Social Science Research

The Russell Sage Foundation's awards are restricted to support for basic social science research within its announced programs, which include the following: Future of Work; Immigration; Cultural Contact; and Social Inequality. The foundation mainly provides support for analyzing data and writing up results, but it occasionally considers larger awards for data acquisition projects highly relevant to its program goals.

For additional information about this program, see <http://tinyurl.com/dd86q2> or contact the foundation (212-750-6000, info@rsage.org).

DEADLINE: March 15

William T. Grant Foundation: Youth Development Research

The foundation supports high-quality research to understand and improve the settings of youth ages 8 to 25 in the United States. Important settings include schools, youth-serving organizations, neighborhoods, families, and peer groups.

The foundation's interests in youth's settings fit into two areas. First, the foundation is interested in studies that strengthen understanding of how settings work; how they affect youth development; and how they can be improved. Second, the foundation is interested in studies that strengthen understanding of how and under what conditions research is used to influence policies and practices that affect youth's settings.

Research grants are usually in the range of \$200,000 to \$500,000 for the

duration of the award. Research grants are usually for two to three years of support. For additional information about this program, see <http://tinyurl.com/5tk2lz> or contact the foundation (212-752-0071, info@wtgrantfdn.org).

DEADLINE: Letters of Inquiry—April 1

Association for International Cancer Research

The AICR finances fundamental scientific research into the causes of cancer. The association's objectives are to promote, conduct, and support research into the causes, prevention, treatment, and cure of cancer and associated conditions, and to promote publication of the useful results of such research; and to promote, conduct, and support research and surveys in cancer, its possible causes, and its effects (physical, social, or otherwise), and to promote publication of useful results of such research.

The majority of AICR's funding takes the form of three-year project grants that cover only the direct costs of conducting the research. The project duration can be from 1 to 3 years.

AICR does not have a formal upper limit for the budget, but most of the three-year grants awarded have a total budget between £100,000 and £200,000. For additional information about this program, see www.aicr.org.uk/information.stm or contact Debbie Wheelans (debbie.wheelans@aicr.org.uk).

DEADLINE: April 24

GRANT DEADLINES

March and April 2009

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 Fritzier (453-4530, jcfritz@siu.edu) or see the "External Funding" pages on ORDA's website.

March 2009

Federal Programs

Agriculture

- Mar 02 CSREES: Microbial Genome Sequencing; Plant Biology: Growth and Development; Sustainable Agroecosystems Science Long-Term Agroecosystem Program: Proof of Concept
- Mar 03 CSREES: Animal Reproduction
- Mar 04 CSREES: Food Safety and Epidemiology: Practical Approaches for Food Protection, Biological Approaches for Food Safety
- Mar 05 CSREES: Animal Genome: Genetics and Breeding
- Mar 09 CSREES: Arthropod and Nematode Biology and Management: Organismal and Population Biology
- Mar 24 CSREES: Potato Research

Defense

- Mar 03 USAMRMC: Idea Development and Synergistic Idea Development
- Mar 06 SERDP: Advanced Technologies for Detection, Discrimination, and Remediation of Military Munitions
- Mar 12 SERDP: Predictive Techniques for Assessment of the Environmental Impact of New Munitions Compounds; Mechanisms of Contaminant

SERDP cont. Interaction with Soil Components and Its Impact on the Bioavailability of Contaminants; Fugitive Dust Emissions Due to DOD Activities; Scientific Understanding of the Impact of Lead-Free Electronics; Sustainable Materials and Processes for Resins and Fibers Used in Military Composites; Environmentally Benign, High-Performance Non-Media Paint Strippers

Mar 13 Environmental Security Technology Certification Program

Mar 26 USAMRMC: Investigator-Initiated Research; New Investigator; Idea Development; Translational Research Partnership; Career Development; and Exploration-Hypothesis Development

Mar 27 USAMRMC: Innovator Award

Health and Human Services

Mar 02 NIH: Center for Inherited Disease Research High Throughput Genotyping Resource Access

Mar 03 NCCR: Mutant Mouse Regional Resource Centers

Mar 03 NIH: Optimization of Small Molecule Probes for the Nervous System

Mar 09 AHRQ: Health Services Research Demonstration and Dissemination

Mar 10 NIA: Partnering Awards to Support Collaborative Research on the Biology of Aging

Mar 17 NIH: Research Education Grants for Statistical Training in the Genetics of Addiction; Research on Integrity in Collaborative Research

Mar 18 NIDDK: Multiethnic Study of Type 2 Diabetes Genes

Mar 18 NIH: Intestinal Stem Cell Consortium; Neuroimaging in Obesity Research

Mar 19 NIGMS: Expanding the Chemical Space for Carbohydrates

HHS cont.

Mar 19 NIH: Closed Loop Technologies: Pilot and Exploratory Clinical and Behavioral Approaches to Improve Type 1 Diabetes Outcomes

Mar 20 NCI: Cancer Prevention Research Small Grant Program

Mar 20 NIH: Mechanism for Time-Sensitive Research; Assay Development for High Throughput Molecular Screening

Mar 23 NCCR: Shared Instrumentation

Mar 24 NIH: Collaborative Interdisciplinary Team Science in Diabetes, Endocrinology, and Metabolic Diseases

Mar 25 NHLBI: Microbiome of the Lung and Respiratory Tract in HIV-Infected Individuals and HIV-Uninfected Controls

Mar 26 NIAAA: The Effects of Alcohol on Glial Cells

Mar 27 NCCAM: CAM Approaches in the Management of HIV Disease and Its Complications

Mar 27 NICHD: Women's Reproductive Health Research Career Development

Mar 30 NIDDK: Fine Mapping and Function of Genes for Type 1 Diabetes

Interior

Mar 06 North American Wetlands Conservation Act: Standard Grants

Japan-U.S. Friendship Commission

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

Justice

Mar 02 Technology Research and Development for Law Enforcement and Corrections Application

Mar 16 Social Science Research on Wrongful Conviction

NASA

Mar 18 Ocean Salinity Science Team

National Archives

Mar 02 Herbert Hoover Library: Travel Grant

Mar 06 Gerald Ford Library: Journalism Prize

Mar 15 Gerald Ford Library: Research Travel Grants

Mar 15 JFK Library: Various Research Fellowships

National Endowment for the Arts

Mar 03 Creative Writing Fellowships

National Endowment for the Humanities

Mar 15 Digging into Data Challenge RFP

National Gallery of Art

Mar 21 Center for Advanced Study in the Visual Arts: Visiting Senior Fellowships & Associate Appointments

National Science Foundation

Mar 02 BIO: Minority Postdoctoral Research Fellowships and Supporting Activities

Mar 02 ENG: Biomedical Engineering; Environmental Engineering; Environmental Implications of Emerging Technologies; Environmental Sustainability; Fluid Dynamics; Process and Reaction Engineering; and Research to Aid Persons with Disabilities

Mar 02 BIO: Microbial Genome Sequencing Program

Mar 02 ENG: Interfacial Processes and Thermodynamics; Particulate and Multiphase Processes; Thermal Transport Processes; Combustion, Fire, and Plasma Systems; Catalysis and Biocatalysis; Chemical and Biological Separations; Biotechnology, Biochemical, and Biomass Engineering; and Energy for Sustainability

NSF cont.

- Mar 02 Ethics Education in Science and Engineering
- Mar 04 EHR: Presidential Awards for Excellence in Science, Mathematics, and Engineering Mentoring
- Mar 05 MPS: Partnerships for Research and Education Materials
- Mar 10 NSF: Collaboration in Mathematical Geosciences
- Mar 11 ENG: Innovations in Engineering Education, Curriculum, and Infrastructure
- Mar 13 SBE: Human Origins: Moving in New Directions
- Mar 17 OCI: Petascale Computing Resource Allocations
- Mar 23 NSF: Assembling the Tree of Life

Smithsonian Institution

- Mar 01 Horticulture: Haupt Fellowship
- Mar 01 Dibner Library of the History of Science and Technology Resident Scholar; Baird Society Resident Scholar
- Mar 15 Archives: Internships
- Mar 25 National Zoo: Communications/ZooGoer Editorial Internship

Other Programs**American Parkinson Disease Association**

- Mar 01 Research Fellowships

American Physical Society

- Mar 28 Fluid Dynamics

American Society of Nephrology

- Mar 13 Interim Funding for Established Investigators

Childhood Brain Tumor Foundation

- Mar 04 Research Grants

Damon Runyon Cancer Research Foundation

- Mar 02 Grants

Ellison Medical Foundation

- Mar 05 Senior Scholar Program in Aging

Epilepsy Foundation

- Mar 02 Behavioral Sciences Postdoctoral Fellowship

Evolving Earth Foundation

- Mar 02 Student Grants: Research

Georgetown University

- Mar 13 Institute of Turkish Studies: Postdoctoral Summer Travel—Research
- Mar 19 Institute of Turkish Studies: Teaching Aids

Human Frontier Science Program

- Mar 21 Interdisciplinary Research: Young Investigators

Korea Society

- Mar 09 Language Study

Newberry Library (Chicago) (Humanities)

- Mar 01 Short-Term Fellowships

North American Native Fishes Association

- Mar 31 Education Grant

Oak Ridge Associated Universities

- Mar 01 Fusion Energy—Postdoctoral Research

Prevent Blindness America

- Mar 01 Research Grants

Robert Wood Johnson Foundation

- Mar 25 Investigator Award in Health Policy Research

Russell Sage Foundation

- Mar 15 Social Science Research: Future of Work, Immigration, Cultural Contact, Social Inequality

Society of Toxicology

- Mar 01 Reproductive and Developmental Specialty Section: Graduate Student/Postdoctoral Award

Tulane University

- Mar 31 Newcomb College Center for Research on Women: Travel Support

Voice Foundation

- Mar 01 New Investigator Research: Voice Science; Voice Disorders; Care of the Professional Voice; Otolaryngology; Vocal Arts for Theatre, Singing, and Pedagogy

April 2009**Federal Programs****Agriculture**

- Apr 01 CSREES: Arthropod & Nematode Biology & Management: Suborganismal Biology; Tools, Resources, and Genomics
- Apr 15 CSREES: Water and Watersheds

Energy

- Apr 09 Office of Science: Environmental Remediation Science
- Apr 15 Environmental Management Professional Development Corps: Decontaminate Nuclear Sites by Cleaning Up the Residual from the Nuclear Waste
- Apr 24 Pacific NW National Laboratory: National Security Internship Program

EPA

- Apr 21 Novel Approaches to Improving Air Pollution Emissions Information

Health and Human Services

- Apr 01 NIDDK: Chronic Kidney Disease Biomarker Discovery and Validation Consortium
- Apr 01 NIH: Research to Action: Assessing and Addressing Community Exposures to Environmental Contaminants
- Apr 02 NIAAA: Mechanism of Alcohol-Induced Organ Damage

HHS cont.

- Apr 03 Fogarty Center: Informatics Training for Global Health
- Apr 03 NIMH: Collaborative Study of Suicidality and Mental Health in the U.S. Army
- Apr 05 NIA: Longitudinal Surveys of the Elderly
- Apr 05 NIH: Technological Enhancements for Surveys of the Elderly; Neurotechnology Research, Development, and Enhancement; New Technologies for Transient Molecular Complex Characterization; Bioengineering Approaches to Energy Balance and Obesity; Probes and Instrumentation for Monitoring and Manipulation Nervous System Plasticity
- Apr 12 NIH: Support for Conferences and Scientific Meetings
- Apr 14 NIAID: Resources to Assist Investigations in Primary Immunodeficiency Diseases
- Apr 15 FDA: Small Scientific Conference Program
- Apr 20 NIH: Small Grants for Behavioral Research in Cancer Control
- Apr 28 NCI: Program Project Applications
- Apr 30 NIEHS: Children's Environmental Health and Disease Prevention Research Centers

National Archives

- Apr 01 Truman Library: Research Fellowship

National Science Foundation

- Apr 02 Foundations of Data and Visual Analytics
- Apr 07 GEO: RIDGE 2000
- Apr 15 High-End Computing University Research Activity
- Apr 15 EHR: National STEM Education Distributed Learning

Other Programs**American Physiological Society**

- Apr 15 Perkins Award for International Physiologists

American Political Science Association

- Apr 25 Race, Politics, and Ethnicity Organized Section: Best Dissertation Award

American Psychoanalytic Association

- Apr 01 Consultation Grant for New Investigator

American Sociological Association

- Apr 01 Section on Environment and Technology: Boguslaw Award for Technology and Humanism

American Statistical Association

- Apr 15 Interlaboratory Testing

Association for International Cancer Research

- Apr 24 Grants

Association for Women in Mathematics

- Apr 30 Hay Award for Contributions to Mathematics Education

Dana Foundation

- Apr 01 Neuroimmunology of Brain Infections and Cancers

(William T.) Grant Foundation

- Apr 01 Field-Initiated Grants: Youth Settings

(Alexander von) Humboldt Foundation

- Apr 30 Transatlantic Cooperation in Research: Humanities, Social Sciences, Economics, and Law

Modern Greek Studies Association

- Apr 01 Translation Prize

Modern Language Association of America

- Apr 01 Translation of a Literary Work

Scoliosis Research Society

- Apr 01 Small Exploratory and New Investigator Grants

Society for the Preservation of American Modernists

- Apr 01 Publication Grants

Whitehall Foundation

(Life Sciences and Neurobiology)

- Apr 15 Grants-in-Aid

World Food Prize Foundation

- Apr 01 World Food Prize: For Improving the Quality, Quantity, or Availability of Food in the World

AWARDS PROCESSED

Externally funded grants and contracts processed during January 2009

Title	Investigator(s)	Department(s)	Agency	Award
Research Awards				
*Biofuel Feedstock Landscape Coverage and Ecoservice Implications for Various Biofuel Industry Scenarios	S. Secchi	Agribusiness Economics	Iowa State U (USEPA)	\$36,865
Spastic Paralysis Research Foundation	R. Elble	Alzheimer Disease Center	Kiwanis International	\$20,000
*Research Support for Hong-Ju Yang	H. Xu	Anatomy	Zhangjiang CunCao Pharmaceutical	\$20,000
*Ecological Effects of Mute Swan (<i>Cygnus olor</i>) Foraging and Nesting Behavior	M. Eichholz	Cooperative Wildlife	IDNR/Division of Wildlife Resources	\$5,000
Cooperative Beaver and Nongame Mammal Investigations	C. Nielsen E. Hellgren E. Schaubert J. Nawrot	Cooperative Wildlife Cooperative Wildlife Cooperative Wildlife Cooperative Wildlife	IDNR (USDI/USFWS)	\$149,962
Cooperative Upland Wildlife Research and Surveys	C. Nielsen D. Sparling E. Schaubert	Cooperative Wildlife Cooperative Wildlife Cooperative Wildlife	IDNR (USDI/USFWS)	\$149,765
Ecology of White-Tailed Deer Studies	E. Schaubert C. Nielsen	Cooperative Wildlife Cooperative Wildlife	IDNR (USDI/USFWS)	\$130,591
Advances in Delay Fault Testing - Phase 2	S. Tragoudas	Electrical and Computer Engineering	Intel Corporation	\$10,000
*IED Location Estimation System	S. Tragoudas	Electrical and Computer Engineering	Science Applications International Corp. (USDOD)	\$29,000
*Genetic Analysis of Missouri Sturgeon	E. Heist	Fisheries Center	Missouri Conservation Commission	\$2,938
*Implementation of Rendered Fats in Aquaculture Feeds	J. Trushenski	Fisheries Center	Fats & Proteins Research Foundation	\$64,302
*Demonstration Forest for Southern Illinois	J. Groninger	Forestry	IDNR	\$5,995
*Prescribed Burning Effectiveness Monitoring	J. Groninger	Forestry	Southeastern Illinois Regional Planning and Development Commission (USDI/USFWS)	\$10,000

Title	Investigator(s)	Department(s)	Agency	Award
*Development of Digitized GIS Layer and Associated Geodatabase of FY09 Forest Management Plans	E. Holzmueller	Forestry	IDNR	\$12,000
Evaluation and Management of Surface Hydrology, Erosion, and Sedimentation Associated with Tracked and Wheeled Vehicle Training at Ft. Knox, KY	K. Williard J. Schoonover J. Groninger J. Zaczek C. Ruffner	Forestry Forestry Forestry Forestry Forestry	ICI Services (USDOD)	\$48,991
Estimating Water-Use Effects of In-Fill Growth Versus Suburban Expansion Within the 11-County Area in Northeastern Illinois	B. Dziegielewski	Geography	Chicago Metropolitan Agency for Planning	\$24,616
*Reconstructing Miocene Glaciomarine Environments of SMS Using Foraminifera	S. Ishman	Geology	University of Nebraska (NSF/ANDRILL)	\$78,930
*Rankin-Selberg Integrals on Exceptional Groups	J. Hundley	Mathematics	NSA	\$14,116
*Development of a Live, Immune-Sensitive HSV-2 Vaccine	W. Halford	Medical Microbiology and Immunology	Excellence in Academic Medicine	\$40,000
Housing Opportunities for Persons with AIDS (HOPWA) Program	N. Khardori	Medicine	IDPH	\$78,336
*Application of New Genetic Resources to the Improved Control of Soybean Sudden Death Syndrome (SDS)	A. Fakhoury J. Bond	Plant, Soil, & Ag Systems Plant, Soil, & Ag Systems	Iowa State University (United Soybean Board)	\$48,000
*Bridge Support for Soy Breeding at SIUC	B. Klubek	Plant, Soil, & Ag Systems	Illinois Soybean Association	\$10,780
*Application of New Genetic and Genomic Resources to the Improved Control of Soybean Sudden Death Syndrome (SDS)	K. Meksem	Plant, Soil, & Ag Systems	Iowa State University (United Soybean Board)	\$59,920
*Immune-Modulatory Effects of Oral Ginseng on <i>Candida albicans</i> Infection in Mice	L. Toth	Research and Faculty Affairs	Excellence in Academic Medicine	\$40,000
*Induction of Immune Tolerance in Rat Model of Composite Tissue Allograft Transplantation	M. Neumeister	Surgery	Excellence in Academic Medicine	\$40,000
Population Assessment of Golden Mice in Illinois	G. Feldhamer	Zoology	IDNR (USDI/USFWS)	\$37,000

Training Awards

Public Service Chemistry Internship Program	G. Kinsel	Chemistry	IDNR	\$12,420
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Title	Investigator(s)	Department(s)	Agency	Award
*Building Patient-Centered Medical Home: Tools for Family Physicians	T. Miller	Family and Community Medicine	IDPH	\$155,800
*Center for Ecology/IDNR Internship 2009	D. Gibson M. Whiles S. Baer J. Groninger	Plant Biology Zoology Plant Biology Forestry	IDNR	\$12,353
MPA Internships	J. Hamman	Political Science	City of Carbondale, IL	\$5,724
MPA Internships	J. Hamman	Political Science	City of Centralia, IL	\$5,842
MPA Internships	J. Hamman	Political Science	Illinois Law Enforcement Alarm System	\$8,740
MPA Internships	J. Hamman	Political Science	City of Paducah, KY	\$6,885
Other Awards				
*"Keepin' My Teeth Real"	S. File F. Miller D. Summers	Allied Health Allied Health Allied Health	American Dental Association/Samuel D. Harris Fund for Children's Dental Health	\$5,000
*Illinois Small Business Development Center	L. Lindberg E. Carter	Entrepreneurship and Business Development Entrepreneurship and Business Development	IDCEO (SBA)	\$180,000
*Centering Pregnancy Initiative	H. Moose	Family and Community Medicine	March of Dimes	\$15,000
Integrated Assessment Program FY09	M. Miah	Social Work	IDCFS	\$4,846,356
ARTiculation 2 - Themes and Variations	R. DeHoet	University Museum	Carbondale Community Arts/Southern Arts Fund (IAC)	\$985
Arts Education Festival 2009	R. DeHoet	University Museum	Carbondale Community Arts/Southern Arts Fund (IAC)	\$1,000
*Illinois Nurse Assistant Competency Evaluation Program - INACEP	D. Hahn	Workforce Education	IDPH	\$1,064,325

*indicates new award

Awards Processed During January 2009 (40) \$7,487,537

Summary of Fiscal Year 2009 Awards Received to Date

excludes Financial Aid Office awards

	Fiscal Year 2009 Awards as of January 2009		Fiscal Year 2008 Awards as of January 2008	
Research	(156)	\$16,566,235	(186)	\$19,556,214
Training	(32)	\$3,708,810	(26)	\$2,086,832
Other	(86)	\$21,868,306	(94)	\$21,845,303
Federal	(65)	\$13,999,056	(71)	\$13,657,881
State	(107)	\$18,416,647	(124)	\$19,113,401
Industry	(20)	\$1,030,623	(24)	\$1,365,097
Foundation	(21)	\$635,756	(29)	\$1,096,599
Other	(61)	\$8,061,270	(58)	\$8,255,370
TOTAL	(274)	\$42,143,351	(306)	\$43,488,348

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

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 online at 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, Liberal Arts, Library Affairs, Mass Communications:** Meg Martin, 453-4538, mzmartin@siu.edu
- **Agriculture, Business, Continuing Ed., Grad. School, Law, Medicine, Student Affairs:** Joel Fritzler, 453-4530, jcfritz@siu.edu
- **Engineering:** Steve Banker, 453-4540, sbanker@siu.edu
- **Science, Fisheries, Wildlife:** Ashley Matzenbacher, 453-4542, acohoon@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.

RESEARCH COMPLIANCES

Projects that will involve human subjects, human stem cells, vertebrate animals, or hazardous materials require prior approval.

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

REACH (UNDERGRADUATE RESEARCH PROGRAM)

- Meg Martin, 453-4538, mzmartin@siu.edu, www.siu.edu/~reach

TECHNOLOGY TRANSFER (PATENTS/COPYRIGHTS)

- Jeff Myers, 453-4556, jmyers@siu.edu, 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.

Requests for electronic notification of issue availability: Joel Fritzler, MC 4709, 453-4530 or jcfritz@siu.edu.
Research Matters is on ORDA's web site at www.siu.edu/orda/rm.



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