

# Spirit of INNOVATION

Research, Creativity and Commercialization News

OFFICE OF RESEARCH ADMINISTRATION NEWSLETTER August 2006 (Volume VI, No. 2)

The **Office of Research Administration** supports and advocates research and technology transfer by faculty, graduate students and staff. The ORA provides services in conjunction with external and internal sources of funding for research, along with services related to commercializing discoveries through technology transfer. The goal of this newsletter is to inform the campus community of grants received, to highlight the accomplishments of our faculty, graduate students and staff, and to share with you a calendar of important events and deadlines. Please direct any comments or questions regarding the newsletter to Tamara Kratochvil ([kratochvilt@umsl.edu](mailto:kratochvilt@umsl.edu)).

## RECENT AWARDS

UM-St. Louis researchers finished off FY 2006 bringing in more than \$1.1 million in June. Watch for a complete funding report for FY06 in next month's newsletter.

### EXTERNALLY FUNDED AWARDS, June 2006

**Joel Glassman**, Center for International Studies, awarded \$5,000 for "The International Performing Arts Series" by the Regional Arts Commission of St. Louis.

**Robert Harris**, Psychology, awarded \$19,500 for "Psychology Clerkship" by the Missouri Department of Mental Health.

**Kathleen Haywood**, Teaching & Learning, awarded \$60,000 for "AIR - Institutional Research Certificate Program" by the Association for Institutional Research.

**Deborah Henry**, Continuing Education & Outreach, awarded \$13,000 for "28th Annual St. Louis Storytelling Festival" by the Regional Arts Commission of St. Louis.

**John Hoover**, Mercantile Library, awarded \$25,000 for "Exhibit for the Missouri Wine and Grape Board" by the Missouri Department of Agriculture.

**Robert Marquis**, Biology, awarded \$67,589 for "Timber harvesting effects on the Missouri oak herbivore fauna associated with the Missouri Ozark Forest Ecosystem Project" by the Missouri Department of Conservation.

**Robert Paul**, Psychology, awarded \$152,024 for "Career Improving adherence to HAART in HIV" by the National Institute of Mental Health.

**Lois Pierce**, Social Work, awarded \$295,906 for "Title IV E Child Welfare Training" by the Missouri Division of Family Services.

**Lois Pierce**, Social Work, awarded \$147,267 for "MSW Graduate Training for Public Child Welfare" by the Missouri Division of Family Services.

**Lloyd Richardson, Jr., and Cody Ding**, Educational Leadership & Policy, Educational Psychology and Mathematics & Computer Science, awarded \$13,520 for "Investigation of Middle and High School Future Educator Program Characteristics" by the Hoenny Center for Research and Development.

**Robert Ricklefs**, Biology, awarded \$41,000 for "2002 Predoctoral Fellowship in Biological Sciences" by the Howard Hughes Medical Institute.

**Patricia Saleeby**, Social Work, awarded \$249,170 for "Komen Foundation- Improving Access to Breast Health Facilities and Services for Women with Disabilities" by the Susan G. Komen Breast Cancer Foundation.

**Terry Suhre**, Art & Art History, awarded \$9,000 for "Gallery 210 Exhibition Season" by the Regional Arts Commission of St. Louis.

**Diane Touliatos**, Center for the Humanities, awarded \$3,700 for "The Monday Noon Cultural Series and Poetry and Short Story Reading Series" by the Regional Arts Commission of St. Louis (project performance dates: 6/1/2006 to 5/31/2007)

**Mark Tranel**, Public Policy Research Center, awarded \$10,000 for "Technology Applications: Tools for Community Development in St. Louis City" by Saint Louis University.

**Mary Troy**, English, awarded \$3,400 for "Natural Bridge" by the Regional Arts Commission of St. Louis.

**Xuemin Wang**, Biology, awarded \$15,000 for "REU Supplement: Metabolomic Profiling of Lipids and Their Compositional Dynamics in Plant Stress Responses" by the National Science Foundation, Molecular and Cellular Biosciences.

**Mel Watkin**, Public Policy Research Center, awarded \$10,000 for "PPRC Gallery and Photography Project" by the National Endowment for the Arts.

**Mel Watkin**, Public Policy Research Center, awarded \$6,800 for "PPRC Gallery and Photography Project" by the Regional Arts Commission of St. Louis.

**Patricia Wente**, KWMU FM Radio, awarded \$5,500 for "Cityscape" by the Regional Arts Commission of St. Louis.

**Total: \$1,152,376**

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## FUNDING OPPORTUNITIES

### INTERNAL FUNDING OPPORTUNITIES

#### **University of Missouri Research Board**

The purpose of the UM Research Board is to enhance the long-term quality and quantity of scholarship throughout the University by supporting meritorious research projects. An important goal is to leverage external funds by UM faculty by supporting promising new faculty and funding high quality new initiatives of senior faculty.

**Proposals Due:** Monday, Oct. 2, 2006 (also, Feb. 12, 2007) by 5 p.m.

341 Woods Hall

**More information:** <http://www.umsystem.edu/ums/departments/aa/research/>

### NEW ANNOUNCEMENTS: GOVERNMENT AGENCIES

#### **Agency for International Development (USAID)**

- APHIA II - HEALTH COMMUNICATIONS MARKETING Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10219>
- Assistance to the Institute of Business Administration, Karachi, Pakistan Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10333>
- Leaders of Influence (LOI) Program Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10370>
- Micro and Small Enterprise Trade-Led Growth Program Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10267>
- Multi-Sectoral Interventions to Advance Democratic Governance in Guinea Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10417>
- Strengthening Independent Media Program in Timor-Leste Modification 2  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9180>
- USAID TANZANIA EDUCATION PROGRAM Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10335>

#### **Department of Agriculture (USDA)**

- 1890 Land Grant Institution Rural Entrepreneurial Program Outreach Initiative  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=1528>
- Rural Community Development Initiative (RCDI)  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10294>

- Small Business Innovation Research <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10051>

#### Department of Commerce (DOC)

- Minority Business Enterprise Center (MBEC) Program Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10423>
- National Technical Assistance Program Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10459>
- National Technical Assistance: Research and Evaluation Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10319>

#### Department of Defense (DOD)

- 2006 Chemical and Biological Defense Initiative Fund Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10315>
- Air Force Office of Scientific Research DURIP Fiscal Year 2007 Defense University Research Instrumentation Program (DURIP) - For Proposal Submission to Air Force Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10134>
- Air Force Office of Scientific Research MURI Fiscal Year 2007 Department of Defense Multidisciplinary University Research Initiative (MURI) - For Proposal Submission to Air Force  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10223>
- DARPA - Defense Sciences Office, Disruptive Manufacturing Technologies (DMT)  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10168>
- Fiscal Year 2007 Defense University Research Instrumentation Program (DURIP) - For Proposal Submission to Navy <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10208>
- Fiscal Year 2007 Defense University Research Instrumentation Program (DURIP) - For Proposal Submission to the Army Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10295>
- Fiscal Year 2007 Department of Defense Multidisciplinary University Research Initiative (MURI)-For Proposal Submission to Navy <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10193>
- Fiscal Year 2007 Department of Defense Multidisciplinary University Research Initiative (MURI) - For Proposal Submission to the Army <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10304>
- Prevention of HIV/AIDS in foreign militaries  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9390>
- U.S. Army Research Office Broad Agency Announcement for Experimental and Theoretical Development of Quantum Information Science-July 2006 Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10244>

#### Department of Energy (DOE)

- Commercial Demonstration of an Integrated Biorefinery System for Production of Liquid Transportation Biofuels, Biobased Chemicals, Substitutes for Petroleum-based Feedstocks and Products, and Biomass-based Heat/Power <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8124>
- Plasma Physics Junior Faculty Development Program Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10145>
- Solid State Lighting Product Development III – Program Area of Interest 1 - LED Product Development Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10362>
- Solid State Lighting Product Development III – Program Area of Interest 2 - OLED Product Development Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10363>
- Solid State Lighting Product Development III – Program Area of Interest 3 - Technical Information Network Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10364>

#### Department of Health and Human Services (HHS)

##### Centers for Disease Control and Prevention

- Age-Appropriate Behavior-Change Communication Through Radio and Reinforcement Activities for HIV Prevention in the Republic of Botswana under the President's Emergency Plan for AIDS Relief Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10279>
- BioSense Evaluation Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10222>
- Occupational Safety and Health Education and Research Centers Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10349>
- Occupational Safety and Health Training Project Grants  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10359>
- Public Health Conference Support Program  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=1865>

Health Resources & Services Administration

- Bioterrorism Training And Curriculum Development Program  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10188>
- Rural Health Care Services Outreach Grant Program  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10326>
- Rural Health Network Development Program  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10280>

#### National Institutes of Health

- Assay Development for High Throughput Molecular Screening (R21) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10308>
- Behavioral and Integrative Treatment Development Program: (R03) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10324>; (R21) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10323>; (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10325>
- Career Development Program in the Genetics and Genomics of Lung Diseases (K12) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10153>
- Collaborative Research on Tinnitus (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10281>
- Development of Nonmammalian Models and Related Biological Materials For Research (R21) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10451>
- Diabetes Research Centers (P30, P60) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10148>
- Drug Abuse Dissertation Research: Epidemiology, Prevention, Services, and Women and Sex/Gender Differences (R36) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10257>
- Establishing Exploratory NCMHD Research Centers of Excellence (P20) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10221>
- Exfoliated Cells and Circulating DNA in Cancer Detection and Diagnosis: (R21) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10453>; (SBIR [R43/R44])  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10454>; (STTR [R41/R42])  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10455>
- Health Promotion Research Directed to Improving the Oral Health of Women and Their Infants (R21) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10449>
- Health Services Research on Practice Improvement Utilizing Community Treatment Programs within the National Drug Abuse Clinical Trials Network (CTN): (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10426>; (R21) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10428>; (R03) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10433>
- Limited Competition for the MENTOR Award: Phase II (T32) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10189>
- Mechanisms of Immune Modulation: (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10254>; (R21) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10255>
- Nanoscience and Nanotechnology in Biology and Medicine(R21) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10256>
- New Models of Pain Relevant to the Trigeminal System (R21) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10262>
- NIAMS Clinical Trial Outcomes Instrument Development Grant Program (U01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10135>
- NIGMS National Centers for Systems Biology (P50) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10246>
- NIMH Research Education Grants (R25)  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10388>
- Novel Technologies for In Vivo Imaging (STTR [R41/R42]) Modification 1  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=2055>
- Outstanding New Environmental Scientist Award (ONES) (R01)  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10379>
- Pathophysiology and Treatment Response in Late-Life Mood and Anxiety Disorders (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10351>
- Pediatric Transfusion Medicine Academic Career Awards (K07) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10355>
- Population Research Infrastructure Program (R24) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10361>

- Research on Rural Mental Health and Drug Abuse Disorders (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10237>
- Research Opportunities in Stuttering (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10297>
- RFA-Announcement of a Limited Competition for the Academic-Community Partnership Conference Series (U13) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10252>
- Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellowships (F31) to Promote Diversity in Health-Related Research Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10391>
- Support of Competitive Research (SCORE) Institutional Development Award (S06) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10382>
- Support of Competitive Research (SCORE) Pilot Project Award (SC2) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10384>; (SC1) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10383>; (SC3) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10385>
- Targeting Calcium Regulatory Molecules for Arrhythmia Prevention (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10215>
- Targeting Diseases Caused by Protein Misfolding or Misprocessing: (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10292>; (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10293>
- Technological Enhancements for Surveys of the Elderly: SBIR (R43/R44) Initiative Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10260>; STTR (R41/R42) Initiative Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10259>
- The Role of Nuclear Receptors in Tissue and Organismal Aging (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10253>
- Translational Research on the Relationship of Anxiety and Depression (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10264>

#### Office of Public Health and Science

- Intergenerational Approaches to HIV/AIDS Prevention Education With Women Across the Lifespan Pilot Program Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10139>

#### Department of Justice (USDOJ)

- FY06 Resource Guide for NCVRW <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10216>
- NIJ FY06 W.E.B. DuBois Fellowship Program 2007 Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10410>
- Office of Juvenile Justice Delinquency Prevention OJJDP FY 2007 Evaluation of Juvenile Drug Courts Program <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10396>
- Office of Juvenile Justice Delinquency Prevention OJJDP FY 2007 State Advisory Group Training Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10352>

#### Department of State (DOS)

- Forensic Assistance in Central and South America <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10332>
- Research on Male Victims of Human Trafficking <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10286>
- Study of the United States Institute for Korean Undergraduate Student Leaders Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10185>

#### Department of the Interior (DOI)

- Challis Greater Sage-grouse/Pygmy Rabbit Survey Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10217>
- Exotic Plant Species Inventory Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10321>
- Historical Range Improvement <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10345>
- Inner City Youth Institute (ICYI) Natural and Cultural Resource Program Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10420>
- Lake Havasu Field Office-Fuels Program Monitoring Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10408>
- Native Plant Conservation and Restoration Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10283>
- Not-for-Profit AMD Reclamation Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10442>
- Promote Native Seed and Plant Diversity Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10447>

- Public Lands Interpretive Center Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10421>
- Recreation Visitor Surveys <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10456>

#### **Department of Transportation (DOT)**

- Thermal Imaging Inspection System Project  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10427>
- University Transportation Centers Program: Tier I UTCs  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9679>

#### **Environmental Protection Agency (EPA)**

- 2006 INDOOR ENVIRONMENTS: REDUCING PUBLIC EXPOSURE TO INDOOR POLLUTANTS FUNDS SOLICITATION <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10085>
- BROWNFIELDS JOB TRAINING GRANTS  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10353>
- Cooperative Agreement for Integrating Clean Water, Drinking Water and Land Use Planning Efforts  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9877>
- Food Quality Protection Act/Strategic Agricultural Initiative Grant Program: Request for Applications-FY 2006 Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10425>
- FY 2006 Assessment and Watershed Protection Program Grants (AWPPGs)  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10122>
- INNOVATION IN WOOD STOVE CHANGEOUTS STUDY Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10265>
- Institutional Controls Implementation and Effectiveness Research Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10285>
- Market Mechanisms and Incentives: Case Studies and Experimental Testbeds for New Environmental Trading Programs <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10175>
- SOURCES, COMPOSITION, AND HEALTH EFFECTS OF COARSE PARTICULATE MATTER  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10411>

#### **National Archives and Records Administration (NARA)**

- Digitizing Historical Records <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9794>

#### **National Endowment for the Arts (NEA)**

- NEA American Masterpieces: Choral Music Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10196>
- NEA American Masterpieces: Musical Theater Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10213>
- NEA American Masterpieces: Visual Arts Touring Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10214>

#### **National Endowment for the Humanities (NEH)**

- Faculty Humanities Workshops Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10341>

#### **National Science Foundation (NSF)**

- Advanced Technological Education <http://www.grants.gov/search/search.do?mode=VIEW&oppld=3772>
- Biomolecular Systems Cluster Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10441>
- CEDAR, GEM, and SHINE Postdoctoral Research Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10284>
- Cellular Systems Cluster Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10440>
- Critical Zone Observatories Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10437>
- Documenting Endangered Languages: An Interagency Partnership (DEL)  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9932>
- Dynamics of Coupled Natural and Human Systems Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10314>
- Earth Sciences: Instrumentation and Facilities (EAR/IF)  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9931>
- Electronics, Photonics and Device Technologies (EPDT)  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7634>
- EPSCoR Research Infrastructure Improvement Grant Program (RII) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10239>
- Faculty Early Career Development (CAREER) Program  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=2441>

- Focused Research Groups in the Mathematical Sciences (FRG) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10132>
- Foundations of Computing Processes and Artifacts Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10306>
- Frontiers in Integrative Biological Research (FIBR) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10131>
- Information and Intelligent Systems: Advancing Human-Centered Computing, Information Integration and Informatics, and Robust Intelligence <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9737>
- Integrative Hybrid and Complex Systems (IHCS) Modification 3  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=1255>
- International Research Fellowship Program (IRFP) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10238>
- Materials World Network: Cooperative Activity in Materials Research between US Investigators and their Counterparts Abroad Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10434>
- Microbial Observatories (MO) and Microbial Interactions and Processes (MIP)  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=3827>
- Minority Postdoctoral Research Fellowships and Supporting Activities Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10313>
- Partnerships for International Research and Education Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10436>
- Plant Genome Research Program (PGRP) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10133>
- Science, Technology, Engineering, and Mathematics Talent Expansion Program  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=2470>
- Undergraduate Research and Mentoring in the Biological Sciences Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10450>

#### **NEW ANNOUNCEMENTS: Foundations & Other**

##### **AMERICAN COUNCIL OF LEARNED SOCIETIES**

CONTEMPLATIVE PRACTICE FELLOWSHIPS

**DUE:** NOV 15

**WRITE:** American Council of Learned Societies

633 Third Avenue New York, NY 10017-6795

**WEB:** <http://www.acls.org/conprac.htm>

**E-MAIL:** [grants@acls.org](mailto:grants@acls.org)

**PHONE:** 212/697-1505

**FAX:** 212/949-8058

This program is sponsored by the Center for Contemplative Mind in Society ([www.contemplativemind.org](http://www.contemplativemind.org)) and made possible by funding from the Fetzer Institute. These fellowships seek to restore and renew the critical contribution that contemplative practices can make to the life of teaching and scholarship. At the heart of the program is the belief that pedagogical and intellectual benefits might be discovered by bringing contemplative practice into the academy. Contemplative practices are part of all major religious and spiritual traditions, and have long had a place in intellectual and ethical inquiry. Depending upon the tradition from which they come, contemplative practices are defined in a variety of ways. They can be broadly understood as methods to develop concentration, deepen understanding and insight, and cultivate awareness and compassion.

**ELIGIBILITY:** Regular full-time faculty members at accredited academic institutions in the United States are eligible to apply for these fellowships. There are no citizenship restrictions.

**FUNDING:** These fellowships are intended to support scholars for developing curricula during a summer or an academic-year semester. Individual scholars, partnerships, or groups of scholars may apply, but the maximum fellowship stipend of \$10,000 may not be exceeded for any one project. Prior experience with contemplative practice is encouraged. Approximately ten fellowships will be offered.

##### **AMERICAN PHILOSOPHICAL SOCIETY**

FRANKLIN RESEARCH GRANTS

**DUE:** OCT 1 DEC 1

**WRITE:** Committee on Research

American Philosophical Society

104 South 5th Street

Philadelphia, PA 19106

**WEB:** <http://www.amphilsoc.org/grants/franklin.htm>

**E-MAIL:** [LMusumeci@amphilsoc.org](mailto:LMusumeci@amphilsoc.org)

**PHONE:** 215/440-3429

Since 1933 the American Philosophical Society has awarded small grants to scholars in order to support the cost of research leading to publication in all areas of knowledge. The Franklin program is particularly designed to help meet the costs of travel to libraries and archives for research purposes; the purchase of microfilm, photocopies, or equivalent research materials; the costs associated with fieldwork; or laboratory research expenses.

**ELIGIBILITY:** Applicants are expected to have a doctorate, or to have published work of doctoral character and quality. Pre-doctoral graduate students are not eligible, but the Society is particularly interested in supporting the work of young scholars who have recently received their Ph.D.s American citizens and residents of the United States may use their Franklin awards at home or abroad. Foreign nationals must use their Franklin awards for research in the United States. Applicants who have received Franklin grants may reapply after an interval of two years.

**FUNDING:** Funding is offered up to a maximum of \$6,000 for use in calendar year 2007. In 2005 the Franklin Research Grants program awarded \$303,000 to 70 scholars, and the Society expects to make at least that many awards in this year's competition.

## **RADCLIFFE INSTITUTE**

### **FELLOWSHIPS**

**DUE:** OCT 2 for creative artists, humanists, and social scientists DEC 4 for natural scientists and mathematicians

**WRITE:** Radcliffe Institute

Fellowships Office

34 Concord Avenue

Cambridge, MA 02138

**WEB:** <http://www.radcliffe.edu/fellowships/index.php>

**E-MAIL:** [fellowships@radcliffe.edu](mailto:fellowships@radcliffe.edu)

**PHONE:** 617/496-1324

The Radcliffe Institute Fellowship Program is a scholarly community where individuals pursue advanced work across a wide range of academic disciplines, professions, and creative arts. Radcliffe Institute fellowships are designed to support scholars, scientists, artists, and writers of exceptional promise and demonstrated accomplishment who wish to pursue work in academic and professional fields and in the creative arts. In recognition of Radcliffe's historic contributions to the education of women and to the study of issues related to women, the Radcliffe Institute sustains a continuing commitment to the study of women, gender, and society. Applicants' projects need not focus on gender, however. Women and men from across the United States and throughout the world, including developing countries, are encouraged to apply. The Institute seeks to build a community of fellows that is diverse in every way.

**ELIGIBILITY:** The Radcliffe Institute for Advanced Study welcomes proposals from small groups of scholars (two to five) who have research interests or projects in common and wish to spend a year as fellows together pursuing those aims. The Institute encourages the inclusion of junior faculty; all members of the cluster must have been awarded their doctorates by December 2005.

**FUNDING:** Stipends are funded up to \$60,000 for one year with additional funds for project expenses. Some support for relocation expenses is provided where relevant. Fellows receive office or studio space and access to libraries and other resources of Harvard University during the fellowship year, which extends from early September 2007 through June 30, 2008. Fellows are expected to be free of their regular commitments so they may devote themselves full time to the work outlined in their proposal. Since this is a residential fellowship, the Institute expects fellows to reside in the Boston area during that period and to have their primary office at the Institute so that they can participate fully in the life of the community.

## **COLUMBIA UNIVERSITY**

### **SOCIETY OF FELLOWS IN THE HUMANITIES - POSTDOCTORAL FELLOWSHIPS**

**DUE:** OCT 2

**WRITE:** Columbia University

Society of Fellows in the Humanities

Heyman Center -- Mail Code 5700

2960 Broadway New York, NY 10027

**WEB:** <http://www.columbia.edu/cu/societyoffellows/fellowship.html>

**E-MAIL:** [sof-fellows@columbia.edu](mailto:sof-fellows@columbia.edu)

**PHONE:** 212/854-4631

**FAX:** 212/854-4069

The Columbia Society of Fellows in the Humanities, with grants from the Andrew W. Mellon Foundation and the William R. Kenan Trust, will appoint a number of post-doctoral fellows in the humanities for the academic year 2007-2008. Fellows are appointed as Lecturers in appropriate departments at Columbia University and as postdoctoral research fellows. The fellowship is renewable for a second and third year. In the first year, Fellows teach one course per semester: at least one of these courses will be in the undergraduate general education program of the University. In years two and three, Fellows teach one course per year. In addition to teaching and research, the duties of Fellows include attendance at the Society's lectures and events as well as active participation in the intellectual life of the Society and of the department with which the Fellow is affiliated.

**ELIGIBILITY:** Applications are invited from qualified candidates who have received the Ph.D. between 1 January 2003 and 1 July 2007.

**FUNDING:** The annual stipend will be \$52,000. Each Fellow also receives a research allowance of \$3,000 per annum.

## **MICHIGAN SOCIETY OF FELLOWS**

### **POSTDOCTORAL FELLOWSHIPS**

**DUE:** OCT 6

**WRITE:** The University of Michigan  
Michigan Society of Fellows  
3572 Rackham Building  
915 E. Washington Street  
Ann Arbor, MI 48109-1070

**WEB:** <http://www.rackham.umich.edu/Faculty/society.html>

**E-MAIL:** [society.of.fellows@umich.edu](mailto:society.of.fellows@umich.edu)

**PHONE:** 734/763-1259

The Michigan Society of Fellows, under the auspices of the Rackham Graduate School, was established in 1970 with endowment grants from the Ford Foundation and the Horace H. and Mary Rackham Funds. The most distinctive aspect of the Society is a multidisciplinary emphasis which gives the Fellows an opportunity to interact across disciplines and to expand their horizons and knowledge. While their own scholarship is enriched, the Fellows also enrich the University of Michigan through teaching during their residency and bringing new insights to other faculty members. Each year the Society selects four or five outstanding applicants for appointment to three-year fellowships in the arts and humanities, in the social, physical and life sciences, and in the professional schools. The newly appointed Postdoctoral Fellows join a unique interdisciplinary community composed of their peers as well as Senior Fellows. The Chair of the Society is Donald S. Lopez, Jr., Arthur E. Link Distinguished University Professor of Buddhist and Tibetan Studies Department of Asian Languages and Cultures at the University of Michigan.

**ELIGIBILITY:** Applications are invited from qualified candidates who are at the beginning of their academic careers, having received the Ph.D. or comparable professional or artistic degree between June 1, 2004, and September 1, 2007. Fellows are appointed as Assistant Professors in appropriate departments at the University of Michigan and as Postdoctoral Scholars in the Michigan Society of Fellows. They are expected to be in residence during the academic years of the fellowship, to teach for the equivalent of one academic year, to participate in the informal intellectual life of the Society, and to devote time to their independent research.

**FUNDING:** The annual stipend will be \$49,635.

## **NATIONAL HUMANITIES CENTER**

### **NATIONAL HUMANITIES CENTER FELLOWSHIPS**

**DUE:** OCT 15

**WRITE:** Fellowship Program National Humanities Center  
7 Alexander Drive  
P.O. Box 12256  
Research Triangle Pk, NC 27709-2256

**WEB:** <http://www.nhc.rtp.nc.us/fellowships/appltoc.htm>

**E-MAIL:** [nhc@ga.unc.edu](mailto:nhc@ga.unc.edu)

**PHONE:** 919/549-0661

**FAX:** 919/990-8535 The National Humanities Center offers 40 residential fellowships for advanced study in the humanities during the academic year, September 2007 through May 2008.

**ELIGIBILITY:** Applicants must hold doctorate or equivalent scholarly credentials. Young scholars as well as senior scholars are encouraged to apply, but they must have a record of publication, and recent Ph.D.s should be aware that the Center does not support the revision of a doctoral dissertation. Scholars from any nation may apply. In addition to scholars from all fields of the humanities, the

Center accepts individuals from the natural and social sciences, the arts, the professions, and public life who are engaged in humanistic projects.

**FUNDING:** Fellowships up to \$50,000 are individually determined, the amount depending upon the needs of the Fellow and the Center's ability to meet them. The Center provides travel expenses for Fellows and their dependents to and from North Carolina.

**WOODROW WILSON INTERNATIONAL CENTER FOR SCHOLARS**  
FELLOWSHIPS IN THE HUMANITIES AND SOCIAL SCIENCES

**DUE:** OCT 1

**WRITE:** Scholar Selection and Services Office

Woodrow Wilson Center

One Woodrow Wilson Plaza

1300 Pennsylvania Avenue, NW

Washington, DC 20004-3027

**WEB:** <http://www.wilsoncenter.org/index.cfm?fuseaction=fellowships.welcome>

**E-MAIL:** [fellowships@wilsoncenter.org](mailto:fellowships@wilsoncenter.org)

**PHONE:** 202/691-4170

The Center awards approximately 20-25 residential fellowships annually to individuals with outstanding project proposals in a broad range of the social sciences and humanities on national and/or international issues. Topics and scholarship should relate to key public policy challenges or provide the historical and/or cultural framework to illumine policy issues of contemporary importance. While the Center does not engage in formulating actual policy, priority will be given to proposals related to these themes and intersecting with crucial public policy issues. Within this framework, the Center also welcomes projects that provide the historical and/or cultural context for some of today's significant public policy debates.

**ELIGIBILITY:** Applications are welcomed from: Citizens or permanent residents from any country; Men and women with outstanding capabilities and experience from a wide variety of backgrounds (including government, the corporate world, professions, as well as academia); Academic candidates holding a Ph.D. (Ph.D. must be received by the application deadline of October 2); Academic candidates demonstrating scholarly achievement by publications beyond their doctoral dissertations; Practitioners or policymakers with an equivalent level of professional achievement. English proficiency as the Center is designed to encourage the exchange of ideas among its fellows.

**FUNDING:** The Center tries to ensure that the stipend provided under the fellowship, together with the fellow's other sources of funding (e.g., grants secured by the applicant and sabbatical allowances), approximate a fellow's regular salary. Stipends provided in recent years have ranged from \$26,000 to \$85,000 (the maximum possible in 2007-2008). Stipends include round trip travel for fellows. If spouses and/or dependent children will reside with the fellow for the entire fellowship period, money for their travel will also be included in the stipend. In addition to stipends, the Center provides 75 percent of health insurance premiums for fellows who elect Center coverage and for their accompanying family members. Fellows are expected to be in residence for the entire U.S. academic year (early September through May, i.e., nine months), although a few fellowships are occasionally awarded for shorter periods with a minimum of four months.

**WHITEHALL FOUNDATION, INC.**

GRANT PROGRAMS

**DUE:** OCT 1 JAN 15 APR 15 letter of intent

**WRITE:** Grant Programs

Whitehall Foundation, Inc.

P.O. Box 3423

Palm Beach, FL 33480

**WEB:** <http://www.whitehall.org/>

**E-MAIL:** [email@whitehall.org](mailto:email@whitehall.org)

**PHONE:** 561/655-4474

**FAX:** 561/659-4978

The Foundation offers Research Grants and Grants-in-Aid. Research grants in neurobiology are available to established scientists of all ages working at accredited institutions in the United States. Applications will be judged on the scientific merit and the innovative aspects of the proposal as well as the competence of the applicant. Research grants of up to three years will be provided. A renewal grant with a maximum of two years is possible, but it will be awarded on a competitive basis. Research grants will not be awarded to investigators who have already received, or expect to receive, substantial support from other sources, even if it is for an unrelated purpose. The Grants-in-Aid program is designed for researchers at the assistant professor level who experience difficulty in

competing for research funds because they have not yet become firmly established. Grants-in-Aid can also be made to senior scientists. All applications will be judged on the scientific merit and innovative aspects of the proposal, as well as on past performance and evidence of the applicant's continued productivity.

**FUNDING:** Research grants normally range from \$30,000 to \$75,000 per year. Grants-in-Aid are awarded for a one-year period and do not exceed \$30,000.

### **NEW ANNOUNCEMENTS for Postdocs, Graduates and Undergrads**

There are no new announcements this month.

### **Grant Submission Deadline Memo: August 2006 (PDF)**

[http://www.umsl.edu/services/ora/about/documents/DeadlineMemo\\_Aug06.pdf](http://www.umsl.edu/services/ora/about/documents/DeadlineMemo_Aug06.pdf)

### **GRANT SUBMISSION POLICY**

#### **PeopleSoft Signature Routing Sheet (PSRS)**

Must be delivered to the Office of Research BEFORE the grant will be submitted. Applies to any grant being submitted to any agency. Must include ALL signatures (all PIs Co-PIs, Dept. Chairs, Deans of each person, dept, and/or school who has time/resources committed through direct costs or cost sharing/match).

**Budgets:** Large or complex budgets should be finalized a week before submission so that the PSRS can be prepared and routed for ALL required signatures. Proposal review time must be allowed before asking someone to commit their unit.

**Note:** If you are going to be away from the University at the time of submission, you must arrange before leaving to sign the PSRS signature page.

**Questions?** Contact Ginny Schodroski at 516-5284 or [ginny@umsl.edu](mailto:ginny@umsl.edu).

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## **NEWS**

### **NEWS ON CAMPUS**

- FY07 Federal Spending Bill Includes \$325,000 for UM-St. Louis PPRC Project
- UMSL Biology Postdoc Receives NSF Fellowship Awarded to Few Researchers

### **OTHER NEWS OF INTEREST**

- St. Louis to Host Joint USDA-DOE National Renewable Energy Conference
- Solae Begins Work on \$40 Million CORTEX Headquarters
- Former Professor Gets One Year in Jail for Faking Data on Grant Applications
- Scientists Spend Nearly Half Their Time on Administrative Tasks, Survey Finds
- The Most Inventive Towns in America
- Pilot Program Designed to Enhance Patent Expertise Among District Judges

### **FY07 Federal Spending Bill Includes \$325,000 for UM-St. Louis PPRC Project**

Federal funding for a UM-St. Louis project, "Examining Policy Options to Increase Minority Homeownership and Eradicate Urban Poverty," under the direction of Mark Tranel, Public Policy Research Center, has been secured in the Senate Transportation-Treasury-HUD spending bill, according to U.S. Senator Kit Bond.

Bond, chairman of the Senate Transportation-Treasury-HUD Appropriations Subcommittee, said the project will be funded for the requested \$325,000.

The UMSL project is one of seven for which funds were secured in this FY2007 spending bill, which must be passed by the full Senate and reconciled with the House of Representatives' version before being signed into law.

The other St. Louis projects include: \$1 million to the Saint Louis University Advanced Neurosurgical Innovation Center to permit real-time bidirectional interaction between SLU emergency room physicians, trauma surgeons and neurosurgeons with medics/doctors at remote and/or rural facilities to optimize initial triage and surgical management of head trauma patients across the country; and \$875,000 to the Mobile BioScience Education Unit, a joint project between St. Louis Science Center and MOBIO, for equipment, marketing and promotional materials. ●

## **UMSL Biology Postdoc Receives NSF Fellowship Awarded to Few Researchers**

Global warming caused by increased carbon dioxide emissions is a problem of international significance. One approach to solving this problem is to develop fuel sources that do not rely upon fossil fuels that emit carbon dioxide into the atmosphere.

Hydrogen gas produced by microorganisms, along with solar, wind and geothermal energy sources, may help reduce our dependence on fossil fuels. Hydrogen gas can be used to power fuel cells, which convert the hydrogen into electricity that we can use in our daily lives. Prototype cars based on fuel cells that run on hydrogen already exist, as do larger fuel cells that provide municipal power.

An UMSL postdoctoral researcher, Dr. Philip Weyman, working on research related to hydrogen production, has been awarded a two-year National Science Foundation's Discovery Corps Postdoctoral Fellowship for "Preparing Inquiring Minds for a Hydrogen-Powered Future."

### **About the Award**

The Discovery Corps Fellowship Program seeks new postdoctoral and professional development models that combine research expertise with service-oriented projects. Discovery Corps Fellows leverage their research expertise through projects that address areas of national need and affect society in important ways. Their projects enhance research capacity and infrastructure, contribute to workforce development and job creation and develop innovative linkages between chemistry and other fields. The NSF estimates awarding approximately 10 Fellowships per round. The award pays \$100,000 per year for up to two years, including a stipend of \$50,000 annually, a \$10,000 institutional allowance in lieu of overhead, and project expenses.

### **Project Goals**

Weyman, who works in Dr. Teresa Thiel's lab in UMSL's Department of Biology, identified two goals for his project: conducting research in the field of hydrogen production, and working with high school teachers and students to help teach scientific method and to raise awareness about this important environmental issue.

### **Hydrogen Production Research**

According to Weyman, photobiological hydrogen production is desirable for a sustainable and pollution-free hydrogen source. He is currently researching hydrogen production by a group of bacteria known as cyanobacteria, organisms that may be ideal for hydrogen production because, along with other reasons, they are the only microorganisms capable of producing hydrogen gas using only the abundant resources of sunlight and water. This process of photosynthesis also takes carbon dioxide out of the atmosphere, further ameliorating the carbon dioxide emission problem. However, cyanobacteria do not naturally produce hydrogen in large quantities because it is wasted energy as far as the cell is concerned. This research is designed to optimize the amount of hydrogen cyanobacteria can produce.

### **Extending Scientific Research to the Next Generation**

While scientific and technological innovations are important in solving the global warming crisis, public education is perhaps the most important tool in the solution.

A second objective of Weyman's fellowship is to extend research in hydrogen production to the next generation of scientists. The education component of the fellowship is designed to (1) develop a module of inquiry exercises to be used in the high school classroom, and (2) train high school teachers in research techniques that they will share with their classes.

The learning module will focus on the fundamental principles of global warming, hydrogen, and fuel cells, and will allow for direct student engagement in the process of scientific inquiry and research.

Students will begin with hands-on classroom explorations of greenhouse gases and fuel cells and will eventually experiment with photobiological hydrogen production.

These exercises will be co-taught in collaboration with the NSF-funded Missouri Science Teaching and Education Partnerships (MO-STEP) program. This program works with four school districts composed largely of students from underrepresented racial and economic groups and seeks to bridge the gaps between high school and university learning. MO-STEP pairs graduate and undergraduate fellows with faculty from high schools and universities to bring research-based projects into high school classrooms. The proposed activities will contribute additional research expertise and teaching capacity to MO-STEP and will add an additional feature by providing opportunities for teachers to participate in research as summer interns in a university laboratory. The teachers will gain career developing research experience in molecular biology and biochemistry techniques and will form lasting connections with the university that will increase involvement of novel research in high school education.

These educational programs will encourage students to think about global warming and alternatives to fossil fuels, reinforce scientific method and traditional chemistry and environmental science curriculum, and introduce students to authentic scientific research. ●

### **St. Louis to Host Joint USDA-DOE National Renewable Energy Conference**

WASHINGTON, DC -- Registration is now open for Advancing Renewable Energy: An American Rural Renaissance, a national renewable energy conference that will be hosted by the U.S. Department of Agriculture (USDA) and U.S. Department of Energy (DOE) on October 10-12, 2006, at America's Center in St. Louis, Missouri. The conference will focus on achieving goals outlined in President Bush's Advanced Energy Initiative (AEI), which seeks to change the way we power our cars, homes and businesses through the use of alternative energy sources.

"We must work together to keep America competitive by expanding sustainable, market-driven, domestic energy sources," USDA Secretary Mike Johanns said from Kazakhstan where he is conducting a trade mission. "The October conference will build upon the President's vision for overcoming our energy challenges and will create new opportunities in rural communities."

Advancing Renewable Energy is designed to help create and strengthen partnerships and strategies necessary to accelerate commercialization of renewable energy industries and distribution systems, the crux of President Bush's AEI. The conference will specifically focus discussions on biomass, wind and solar research and commercialization. USDA and DOE expect the conference to identify critical pathways, and to make recommendations to help accelerate renewable energy technology development. The conference also will examine incentives to help reduce risk for investors and developers in the marketplace and will review challenges of developing new distribution systems.

Energy Secretary Samuel W. Bodman said, "Never has reducing our dependence on foreign oil been a more pressing issue. We are hopeful this conference will identify major impediments and critical pathways to get more domestically grown, renewable energy sources out of the laboratory and into consumers' hands as soon as possible."

According to John Gardner, Vice President for Research and Economic Development for the University of Missouri System, the consortium wants to provide an educational resource, but also use the conference to demonstrate the St. Louis region's and Missouri's interest and expertise in bioenergy.

Attendance is open to the public. Anyone involved with, or interested in, renewable energy is encouraged to attend, including transportation, large- and small-scale farming, finance and investment officials, as well as academia, and federal, state, government and elected officials. All attendees must register for the conference, including press, who may attend without charge. For more information and to register for the conference, visit: <http://www.AdvancingRenewableEnergy.com>. ●

## **Solae Begins Work on \$40 Million CORTEX Headquarters**

Excerpted from the St. Louis Business Journal

July 19, 2006

On the Web: <http://stlouis.bizjournals.com/stlouis/stories/2006/07/17/daily35.html>

The Solae Co. began construction Wednesday (July 19) on its new \$40 million headquarters. The company plans to become an anchor tenant at the Center for Research Technology and Entrepreneurial eXchange (CORTEX). (The company's new headquarters will be located in CORTEX's second building.)

In May, the soy ingredient producer announced it plans to leave its downtown headquarters to build a new facility in Midtown at the corner of Duncan and Boyle avenues.

St. Louis-based Solae develops branded, plant-based specialty food, feed and industrial ingredients, focusing on soy. It was formed through an alliance between Bunge Ltd. and DuPont. ●

NOTE: CORTEX sponsors include the University of Missouri-St. Louis, BJC HealthCare, Missouri Botanical Garden, Saint Louis University and Washington University. For more information on CORTEX, visit <http://www.cortexstl.org>.

## **Former Professor Gets One Year in Jail for Faking Data on Grant Applications**

By JOHN GRAVOIS

Excerpted from the Chronicle of Higher Education

July 14, 2006

Link: <http://chronicle.com/weekly/v52/i45/45a01003.htm> (subscription required)

A former medical professor at the University of Vermont has been sentenced to a year and a day in prison for fabricating research data on federal grant applications.

During the 1990s, the professor, Eric T. Poehlman, studied aging, menopause, and obesity — hot topics in medical research — and submitted 17 grant applications that were based on fabricated data, prosecutors said.

Dr. Poehlman pleaded guilty in March 2005 to lying on an application that won him a \$542,000 grant from the National Institutes of Health. As part of a settlement with federal prosecutors, he agreed to pay a \$180,000 penalty and to be barred for life from receiving federal grants — the first time any researcher has been subjected to such a ban.

In pronouncing sentence, Judge William K. Sessions III, of the U.S. District Court in Burlington, Vt., ordered Dr. Poehlman to serve two years of "supervised release" following his year and a day in prison. The judge opted not to impose the maximum sentence of five years. ●

## **Scientists Spend Nearly Half Their Time on Administrative Tasks, Survey Finds**

A study sponsored by the Federal Demonstration Partnership, a coalition of university and federal officials dedicated to streamlining government research regulations, shows that the accumulation of small administrative tasks swallow up nearly half of scientists' research time.

Key findings of the "Faculty Burden Survey" (completed by 9,200 faculty members and scheduled for release in August):

- Scientists spent 42 percent of their "research time" on administrative tasks. Those tasks were split between pre-grant (22 percent) and post-grant work (20 percent).
- The three tasks cited as the most onerous were filling out grant progress reports, hiring personnel, and managing laboratory finances.
- Scientists got the most administrative support for financial management, such as payroll, and the least for grant reports.

- Tasks that received little such support included evaluating laboratory personnel, monitoring conflicts of interest, and applying for patents.
- Some administrative burdens were specific to faculty subgroups, for example, filing patent applications for engineering professors. Time spent on institutional review boards was listed as a burden for the largest number of faculty subgroups.
- Faculty members estimated they could save an average of four hours per week with more administrative help. Almost 6 percent of respondents thought they could save more than 10 hours. Slightly more than one-third thought they would save less than two hours. ●

**SOURCE:** Federal Demonstration Partnership

### **The Most Inventive Towns in America**

*The tinkerers who helped build America haven't disappeared -- they're right next door. Our search for small-town patent hubs found surprising innovations from coast to coast.*

By REED ALBERGOTTI

Excerpted from the Wall Street Journal

July 22, 2006

Link: [http://online.wsj.com/article\\_email/SB115352188346314087-IMyQJAxMDE2NTIzNjUyMjYxWj.html](http://online.wsj.com/article_email/SB115352188346314087-IMyQJAxMDE2NTIzNjUyMjYxWj.html) (subscription required)

This year, Russell May won a patent for a gadget that could help warn pilots about impending engine failure. Krishnan Ramu designed a more energy-efficient motor. Mark Froggatt came up with a device that helps companies pack more data into fiber-optic cables. These inventors share one thing in common: They live within 10 miles of one another in Blacksburg, Va. It's "a little bit like a miniature Silicon Valley but without the traffic," says Mr. Froggatt.

Since Ben Franklin, the lone inventor has been an American icon. Even with today's complex technologies and giant corporations that spend billions on research, small-time inventors remain a potent force -- consistently accounting for about 15% of all U.S. patents in recent years, by some estimates.

What is changing: their ZIP Codes.

For our survey of the most inventive towns in America, we looked first at the number of utility patents granted to inventors in about 12,000 cities, using data compiled by research firm iPiQ, a consulting concern that analyzes intellectual property for companies. The idea was to look beyond big high-tech centers like Santa Clara, Calif., where Intel is based, and find places that are hubs for inventions by individuals or small businesses. As a proxy for this, iPiQ recommended using its historical database of U.S. patents to filter out companies that had previously been awarded substantial numbers of patents.

It generally takes a little over two years to get a patent approved or rejected. Inventors usually pay an attorney to search the patent-office files for "prior art," to make sure their idea hasn't already been claimed. If the coast is clear, inventors can submit an application to the Patent Office. The whole process typically runs inventors around \$10,000. But for \$105, inventors can temporarily protect their idea -- for up to a year -- by sending in a basic description and drawing of the product.

The bulk of patents are still concentrated in a small number of areas. The city of San Jose, Calif., for example, produced 3,911 patents last year, nearly as many as the entire state of Massachusetts, which had 4,267. The state of California accounts for about 15% of the patents issued in the U.S. Texas and New York together make up about 8%.

**On the other end of the spectrum is St. Charles, Mo., a suburb of St. Louis, saw 25 patents issued to individual inventors or small companies last year, a 43% increase over 2002.** The town is home to a number of engineers, many of whom are former employees of aerospace company McDonnell Douglas and were let go during a wave of layoffs in the early 1990s or following McDonnell's 1997 merger with Boeing. Some have decided to start their own high-tech businesses locally, and the county has opened two "incubators" designed to nurture small businesses and entrepreneurs. ●

## **Pilot Program Designed to Enhance Patent Expertise Among District Judges House Subcommittee Markup Scheduled**

By J. MATTHEW BUCHANAN  
Of Counsel, Dunlap Codding & Rogers, P.C.  
From "Patent Law and Policy Blog"  
July 26, 2006

The House Subcommittee on Courts, the Internet, and Intellectual Property is set to markup H.R. 5418, a bill introduced by Rep. Darrell Issa (R-CA) and Rep. Adam Schiff (D-CA) to "establish a pilot program in certain United States district courts to encourage enhancement of expertise in patent cases among district judges." The Issa bill would establish an opt-in program under which volunteering district court judges would receive "education and professional development" related to patent matters. Judges who don't volunteer would be able to decline patent cases that are randomly assigned to them and, effectively, steer these cases to the volunteering patent experts.

You can view and/or download a PDF of the Issa bill at  
[http://www.promotetheprogress.com/ptpfiles/legislation/109hr5418\\_ih.pdf](http://www.promotetheprogress.com/ptpfiles/legislation/109hr5418_ih.pdf).

The Issa bill has some momentum going into markup. It includes a relatively modest budget (\$5M per year for 10 years) and doesn't attempt to sell itself as a guaranteed solution to any problem. The bill offers a fresh and simple approach to a real world problem - district court judges who lack patent expertise and those who bemoan the random assignment system when it places a nasty patent case on their docket. It could fail miserably, of course, if no one opts into the program. But, it's a pilot program, and that's all the bill attempts to create.

One side benefit of establishing a judicial patent expertise program in the district courts, like the one proposed in the Issa bill, would be that there would finally be a "minor league" for judges to gain real experience that could be applied in the big leagues - the Court of Appeals for the Federal Circuit.

Patent reform is essentially dead in this Congress. But, a relatively small bill that has a bit of momentum could see some action, and perhaps passage, as the 109th prepares to wrap things up. Representative Issa's pilot program could fit this bill. ●

--end--