



University of Missouri-St. Louis, Office of Research Administration Newsletter
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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).

Awards

Recent Externally Funded Awards, October 2005

Nasser Arshadi, Vice Provost Research, awarded \$952,256 for "Missouri Enterprise - St. Louis Regional Office" by Missouri Enterprise Business Assistance.

Timothy Baumann, Andrew Hurley and Mark Tranel, Anthropology, History and Public Policy Research Centers, awarded \$15,750 for "Community Analysis of the Scott Joplin House and Surrounding Area." by the Missouri Department of Natural Resources.

Katherine Brown, Dean's Office - College of Fine Arts & Communication, awarded \$4,590 for "Premiere Performances 2005-2006" by the Missouri Arts Council.

Susan Catapano and Lynn Navin, Teaching & Learning and University Child Development, awarded \$67,002 for "Child Care Access Means Parents in School Program" by the U.S. Department of Education.

Deborah Clark, Biology, awarded \$60,259 for "BE/CBC: Complex interactions among water, nutrients and carbon stocks and fluxes across a natural fertility gradient in tropical rain forest" by the Florida International University.

Philip Fraundorf, Physics and Astronomy, awarded \$9,000 for "Multi-Pollutant Control Through Novel Approaches to Oxygen-Enhanced Combustion" by the Washington University School of Medicine.

Clark Hickman and Stephen Viola, Continuing Education & Outreach, awarded \$9,000 for "Special Education Tuition Reimbursement" by the Missouri Department of Elementary and Secondary Education.

Clark Hickman and Stephen Viola, Continuing Education & Outreach, awarded \$2,511 for "Paraprofessional Tuition Reimbursement" by the Missouri Department of Elementary and Secondary Education.

Elizabeth Kellogg and Peter Stevens, Biology, awarded \$80,988 for "Plant Ontology Consortium" by the Cold Spring Harbor Laboratory.

David Laslo, Public Policy Research Centers, awarded \$401,475 for "St. Louis Agency for Training and Employment (SLATE) 2006 project" by the St. Louis Agency on Training and Employment.

Richard Rosenfeld, Criminology & Criminal Justice, awarded \$74,099 for "Intermediate Implementation of Improved Crime Data System" by the Georgia State University.

Mel Watkin, Public Policy Research Centers, awarded \$3,814 for "PPRC Gallery and Photography Project" by the Missouri Arts Council.

Patricia Wente, KWMU FM Radio, awarded \$389,011 for "Radio Community Service Grant Agreement - FY06" by the Corporation for Public Broadcasting.

Kamila White, Psychology, awarded \$83,110 for "Anxiety and Psychological Vulnerability in Chest Pain" by the National Institute of Mental Health.

TOTAL: \$2,152,865

UM-St. Louis Internal Awards, Fall 2005

RESEARCH AWARDS

Susan Cahan, Art and Art History, award \$7,650 for "The Politics of Race in American Museums."

Farida Jalalzai, Political Science, award \$10,000 for "The Political Behavior of Muslims in St. Louis."

Colin MacDiarmid, Biology, award \$12,388 for "Analysis of the Mnr2 Protein, A putative Magnesium Transport System from Yeast."

Robert Northcott, Philosophy, award \$6,471 for "Causes in Science and Philosophy."

Gualtiero Piccinini, Philosophy, award \$10,265 for "Computing Mechanisms: A Functional Account."

Howard Schwartz, English, award \$7,835 for "The Mythology of Christianity."

Nanora Sweet, English and Women's and Gender Studies, award \$6,471 for "Hemans and the Shaping of History, A Romantic Poetics."

Mary Troy, English, award \$6,470 for "Story Collection."

Kamila White, Psychology, award \$10,000 for "Psychological Risk and Clinical Course in Non-Cardiac Chest Pain."

Dan Younger, Art and Art History, award \$8,000 for "Supplies & Equipment Funding for 'Travel Places.'"

Gaiyan Zhang, Business Administration, award \$12,000 for "Credit Contagion and the Credit Default Swap Market."

TOTAL: \$97,550

SMALL GRANTS AWARDS

Berit Brogaard, Philosophy, received \$800 for Travel.

Wilma Calvert, Nursing, received \$500 for Travel.

Uday Chakraborty, Mathematics and Computer Science, received \$1,000 for Travel.

Richard Cook, English, received \$720 for Supplies.

Cody Ding, Division of Educational Psychology, received \$500 for Travel.

Baorong Guo, School of Social Work, received \$800 for Travel.

Farida Jalalzai, Political Science, received \$925 for Travel.

Hyung Kang, Mathematics and Computer Science, received \$1,000 for Travel.

Minsoo Kang, History, received \$718 for Travel.

David Kimball, Political Science, received \$800 for Travel.
Ruth Ellen Kocher, English, received \$436 for Travel.
Lea-Rachel Kosnik, Economics, received \$900 for Travel.
Vasudevan Lakshminarayanan, Optometry, received \$500 for Travel.
Jennifer McKnight, Art and Art History, received \$1,000 for Supplies.
Dinesh Mirchandani, Management and Information Science, received \$1,000 for Travel.
Gualtiero Piccinini, Philosophy, received \$1,000 for Travel.
Joseph Pickard, School of Social Work, received \$800 for Travel.
Uma Segal, School of Social Work, received \$500 for Travel.
Nancy Singer, English / Teaching & Learning, received \$907 for Travel.
Jeffrey Sippel, Art and Art History, received \$332 for Travel.
Donna Taliaferro, Nursing, received \$500 for Travel.
Yuan Tian, Communication, received \$1,000 for Travel.
Mary Troy, English, received \$500 for Travel.
Susan Waller, Art and Art History, received \$745 for Supplies.
Patti Wright, Anthropology, received \$1,000 for Travel.
Jina Yoo, Communication, received \$1,000 for Travel.

TOTAL: \$19,883

Quarterly Awards Report, July-Sept 2005

CSD	Department	# of Awards	\$ Awarded
Center for Academic Development		0.50	117,115
	<i>Center for Academic Development</i>	0.50	117,115
Center for International Studies		2.33	38,485
	<i>Center for International Studies</i>	2.33	38,485
College of Arts & Sciences		30.00	2,166,216
	<i>Anthropology</i>	0.20	3,150
	<i>Biology</i>	15.90	1,448,535
	<i>Chemistry</i>	1.70	61,221
	<i>Child Advocacy Center</i>	2.00	43,645
	<i>Criminology & Criminal Justice</i>	4.00	204,034
	<i>History</i>	0.20	3,150
	<i>Mathematics & Computer Science</i>	1.00	102,954
	<i>Philosophy</i>	1.00	45,000
	<i>Physics and Astronomy</i>	1.00	9,000
	<i>Psychology</i>	1.00	83,110
	<i>Social Work</i>	2.00	162,417
College of Education		11.37	6,947,398
	<i>Counseling - College of Education</i>	1.00	4,578
	<i>Dean College of Education</i>	1.00	307,511
	<i>Educational Leadership & Policy</i>	2.15	1,070,965
	<i>Teaching & Learning</i>	6.72	5,530,843
	<i>University Child Development</i>	0.50	33,501
College of Fine Arts & Communication		3.00	18,971
	<i>Art & Art History</i>	1.00	10,881
	<i>Communication</i>	1.00	3,500

	<i>Dean-College Fine Arts & Communication</i>	1.00	4,590
College of Nursing & Health Studies			
	<i>College of Nursing & Health Studies</i>	1.00	59,971
Extension Division			
	<i>Continuing Education & Outreach</i>	4.20	491,477
Information Technology Services			
	<i>Faculty Instructional Support</i>	1.00	24,101
KWMU Radio			
	<i>KWMU FM Radio</i>	1.00	389,011
Vice Chancellor Academic Affairs			
	<i>Center for Neurodynamics</i>	0.50	142,400
	<i>Vice Chancellor Academic Affairs</i>	1.00	5,000
Vice Provost Student Affairs			
	<i>Student Financial Aid</i>	3.00	4,340,898
	<i>Vice Provost Student Affairs</i>	0.50	117,115
Vice Provost Research			
	<i>Office of Research Administration</i>	1.00	8,047
	<i>Public Policy Research Center</i>	7.60	777,064
Grand Total		68.00	15,643,268

Purpose	\$ Awarded
<i>Instruction</i>	2,623,427
<i>Other Sponsored Activities</i>	6,544,564
<i>Research - Applied</i>	675,613
<i>Research - Basic</i>	1,458,766
<i>Student Financial Aid</i>	4,340,898
Grand Total	15,643,268

Type	\$ Awarded
<i>Association</i>	586,345
<i>Corporation</i>	306,917
<i>Federal</i>	12,166,458
<i>Other Local Government</i>	434,559
<i>Other University</i>	632,058
<i>State of Missouri</i>	1,516,931
Grand Total	15,643,268

Funding Opportunities

Please note: The opportunities listed on this page are a sampling only.

For additional opportunities, visit [FedGrants](#), [Grant Advisor Plus](#), the [Foundation Center](#) and [InfoEd](#) or contact Tamara Kratochvil at kratochvilt@umsl.edu for a customized database search. Undergraduate and graduate opportunities are listed throughout the New Announcements sections.

NEW ANNOUNCEMENTS: Government Agencies

Agency for Healthcare Research and Quality (AHRQ)

- Small Grant Program for Conference Support (R13) Grant
<http://www.fedgrants.gov/Applicants/HHS/AHRQ/AHRQ/PA-06-074/listing.html>

Agency for International Development (AID)

- Overseas Missions, Afghanistan USAID-Kabul, Afghanistan Community-Based Education
<http://www.fedgrants.gov/Applicants/AID/OM/AFG/RFA%26%23032%3BNo%26%23046%3B%26%23032%3B306-06-004%26%23032%3BAPSO/listing.html>
- Overseas Missions, Guatemala USAID-Guatemala City, Greater number of more competitive enterprises in agriculture, forestry and tourism
<http://www.fedgrants.gov/Applicants/AID/OM/GUA/RFA-520-A-06-003/listing.html>
- Overseas Missions, Rwanda USAID-Kigali, USAID/Rwanda Request for Applications (RFA) Number 696-A-06-001 - Rwanda Conflict Mitigation Radio Program for the Region around Lake Kivu
<http://www.fedgrants.gov/Applicants/AID/OM/RWA/AID-GRANTS-111005-001/listing.html>
- Overseas Missions, West Bank, Gaza USAID-West Bank, Vocational and Technical Program Grant
<http://www.fedgrants.gov/Applicants/AID/OM/WES/RFA294-2006-003/listing.html>
- Washington D. C., 2006 Livelihoods Recovery Initiative in Ethiopia in Response to Complex Food Insecurity
<http://www.fedgrants.gov/Applicants/AID/OP/WAS/OFDA%26%23032%3BAPS-FY06-001/listing.html>
- Washington D. C., GLOBAL DEVELOPMENT ALLIANCE
<http://www.fedgrants.gov/Applicants/AID/OP/WAS/M-OAA-GRO-EGAS-06-07/listing.html>
- Washington D. C., Global Health Fellows Program (GHFP) Grant
<http://www.fedgrants.gov/Applicants/AID/OP/WAS/M%26%23047%3BOAA%26%23047%3BGH-06-106/listing.html>
- Washington D. C., HEALTH SYSTEMS 20/20 PROJECT
<http://www.fedgrants.gov/Applicants/AID/OP/WAS/M%26%23047%3BOAA%26%23047%3BGH%26%23047%3BHRSR-06-189/listing.html>
- Washington D. C., Independent Monitoring of Tsunami Recovery and Reconstruction Funds
<http://www.fedgrants.gov/Applicants/AID/OP/WAS/M-OAA-ANE-05-001/listing.html>

Centers for Disease Control and Prevention (CDC)

- Developing Methodologies to Determine the Prevalence of Autism Spectrum Disorders in Early Childhood and Young Adult Populations Grant
<http://www.fedgrants.gov/Applicants/HHS/CDC/PGO/CDC-RFA-DD06-001/listing.html>
- Dissertation Grant Awards for Violence-Related Injury Prevention Research in Minority Communities Grant
<http://www.fedgrants.gov/Applicants/HHS/CDC/PGO/CDC-RFA-CE06-002/listing.html>
- Evaluation of community-based approaches to increasing seat belt use among adolescent drivers and their passengers Grant
<http://www.fedgrants.gov/Applicants/HHS/CDC/PGO/CDC-RFA-CE06-007/listing.html>
- Grants for Violence-Related Injury Prevention Research: Youth Violence, Suicidal Behavior, Child Maltreatment, Intimate Partner Violence, and Sexual Violence Grant
<http://www.fedgrants.gov/Applicants/HHS/CDC/PGO/CDC-RFA-CE06-004/listing.html>
- National Programs to Build the Capacity for Societal Institutions that Influence Youth Behavior
<http://www.fedgrants.gov/Applicants/HHS/CDC/PGO/CDC-RFA-DP06-601/listing.html>
- NIOSH Support for Conferences and Scientific Meetings Grant
<http://www.fedgrants.gov/Applicants/HHS/CDC/PGO/PAR-06-014/listing.html>
- Programs for the Prevention of Fire-Related Injuries Grant
<http://www.fedgrants.gov/Applicants/HHS/CDC/PGO/CDC-RFA-CE06-601/listing.html>
- Research Grants for the Care of the Acutely Injured Grant
<http://www.fedgrants.gov/Applicants/HHS/CDC/PGO/CDC-RFA-CE06-005/listing.html>
- Research Grants to Describe Traumatic Brain Injury Consequences Grant
<http://www.fedgrants.gov/Applicants/HHS/CDC/PGO/CDC-RFA-CE06-003/listing.html>

- Research Grants to Prevent Unintentional Injuries Grant
<http://www.fedgrants.gov/Applicants/HHS/CDC/PGO/CDC-RFA-CE06-001/listing.html>
- Sexually Transmitted Diseases/Human Immunodeficiency Virus Prevention Training Centers
<http://www.fedgrants.gov/Applicants/HHS/CDC/PGO/CDC-RFA-PS06-606/listing.html>

Corporation for National and Community Service (CNCS)

- AmeriCorps State and National Direct Education Award Program Grant
<http://www.fedgrants.gov/Applicants/CNCS/OGM/OGM/CNCS-GRANTS-111805-001/listing.html>

Department of Agriculture (USDA)

- Integrated Organic Program Grant
<http://www.fedgrants.gov/Applicants/USDA/CSREES/OEP/USDA-GRANTS-110405-001/listing.html>
- Integrated Research, Education, and Extension Competitive Grants Program - National Integrated Food Safety Initiative Grant
<http://www.fedgrants.gov/Applicants/USDA/CSREES/OEP/USDA-GRANTS-110405-002/listing.html>
- Rural Development, Rural Utilities Service, Solid Waste Management Grants
<http://www.fedgrants.gov/Applicants/USDA/RD/RUS/USDA-GRANTS-112105-001/listing.html>

Department of Commerce (DOC)

- FY2006/2007 Open Rivers Initiative
<http://www.fedgrants.gov/Applicants/DOC/NOAA/GMC/NMFS-HCPO-2006-2000405/listing.html>

Department of Defense (DOD)

- DARPA SPO Office Wide BAA
<http://www.fedgrants.gov/Applicants/DOD/DARPA/CMO/BAA06-02/listing.html>
- Computer Science Study Group (CS2G). RA06-05 (CS2G) Applicant Information Package
<http://www.fedgrants.gov/Applicants/DOD/DARPA/CMO/RA06-05/listing.html>

Department of Education (ED)

- CENTERS FOR INTERNATIONAL BUSINESS EDUCATION
<http://www.ed.gov/news/fedregister>
- Disability and Rehabilitation Research Projects and Centers Program--Advanced Rehabilitation Research Training (ARRT) Projects Grant
<http://www.fedgrants.gov/Applicants/ED/HRO/DCMGC/ED-GRANTS-111505-001/listing.html>
- LANGUAGE RESOURCE CENTERS
<http://www.ed.gov/news/fedregister>
- Talent Search Program Grant
<http://www.fedgrants.gov/Applicants/ED/HRO/DCMGC/ED-GRANTS-110805-001/listing.html>

Department of Energy (DOE)

- Biomass Research and Development Initiative Grant
<http://www.fedgrants.gov/Applicants/DOE/PAM/HQ/DE-PS36-06GO96002P/listing.html>
- Solid State Lighting Product Development II - Area of Interest 1: LED Materials Issues - Device Materials Grant
<http://www.fedgrants.gov/Applicants/DOE/PAM/HQ/DE-PS26-06NT42480-01/listing.html>
- Solid-State Lighting Product Development II - Area of Interest 2: LED Device Issues Grant
<http://www.fedgrants.gov/Applicants/DOE/PAM/HQ/DE-PS26-06NT42480-02/listing.html>
- Solid-State Lighting Product Development II - Area of Interest 3: OLED Efficient Materials Development Grant
<http://www.fedgrants.gov/Applicants/DOE/PAM/HQ/DE-PS26-06NT42480-03/listing.html>
- Solid-State Lighting Product Development II - Area of Interest 4: OLED Architectures that Improve Device Robustness, Lifetime, and Efficiency Grant
<http://www.fedgrants.gov/Applicants/DOE/PAM/HQ/DE-PS26-06NT42480-04/listing.html>
- Solid-State Lighting Product Development II Grant
<http://www.fedgrants.gov/Applicants/DOE/PAM/HQ/DE-PS26-06NT42480-00/listing.html>

Department of Health and Human Services (HHS)

- Family Planning Services Grants
<http://www.fedgrants.gov/Applicants/HHS/OS/OPHS/%26%23032%3BPA-FPSG-06-013/listing.html>

Department of Homeland Security (DHS)

- Pre-Disaster Mitigation (PDM) Grant Program
<http://www.fedgrants.gov/Applicants/DHS/DHSWIDE/DHSLOC/97%26%23046%3B017-001-B/listing.html>

Department of Justice (DOJ)

- FY 2006 Education and Technical Assistance Grants to End Violence Against Women with Disabilities Grant <http://www.fedgrants.gov/Applicants/DOJ/HQ/OJP/OVW-2006-1177/listing.html>
- FY 2006 Grants to Reduce Violent Crimes Against Women on Campus Grant <http://www.fedgrants.gov/Applicants/DOJ/HQ/OJP/OVW-2006-1205/listing.html>
- NIJ FY06 Research and Evaluation in Community Corrections: A Multi-jurisdictional Study of Reduced Caseload and Related Case Supervision Strategies in Managing Medium- and High-Risk Offenders Grant <http://www.fedgrants.gov/Applicants/DOJ/HQ/OJP/2006-NIJ-1165/listing.html>
- NIJ FY06 Sexual Violence from Adolescence to Late Adulthood: Research, Evaluation, and the Criminal Justice Response Grant <http://www.fedgrants.gov/Applicants/DOJ/HQ/OJP/2006-NIJ-1164/listing.html>
- NIJ FY06 Biometric Technologies, Modification 1 <http://www.fedgrants.gov/Applicants/DOJ/HQ/OJP/2006-NIJ-1136/listing.html>
- NIJ FY06 Crime and Justice Research Grant <http://www.fedgrants.gov/Applicants/DOJ/HQ/OJP/2006-NIJ-1162/listing.html>
- NIJ FY06 Justice Responses to Intimate Partner Violence Grant <http://www.fedgrants.gov/Applicants/DOJ/HQ/OJP/2006-NIJ-1207/listing.html>
- NIJ FY06 Outcome Evaluations of Violence Prevention Programs Grant <http://www.fedgrants.gov/Applicants/DOJ/HQ/OJP/2006-NIJ-1154/listing.html>
- NIJ FY06 Public Safety Interventions Grant <http://www.fedgrants.gov/Applicants/DOJ/HQ/OJP/2006-NIJ-1166/listing.html>
- NIJ FY06 Research on Sexual Violence and Violent Behavior in Corrections Grant <http://www.fedgrants.gov/Applicants/DOJ/HQ/OJP/2006-NIJ-1155/listing.html>
- NIJ FY06 Study of Administration of Justice in Indian Country Grant <http://www.fedgrants.gov/Applicants/DOJ/HQ/OJP/2006-NIJ-1225/listing.html>
- NIJ FY06 Transnational Crime Grant <http://www.fedgrants.gov/Applicants/DOJ/HQ/OJP/2006-NIJ-1163/listing.html>
- OVW FY 2006 Legal Assistance for Victims Grant Program Grant <http://www.fedgrants.gov/Applicants/DOJ/HQ/OJP/OVW-2006-1204/listing.html>

Department of Labor (DOL)

- Workforce Innovation in Regional Economic Development (WIRED) Initiative <http://www.fedgrants.gov/Applicants/DOL/OGCM/OGCM/SGA-DFA-PY-05-04/listing.html>

Department of State (STATE)

- English Access Microscholarship Program Grant <http://www.fedgrants.gov/Applicants/State/ECA/IIP-EX-EM/ECA-A-L-06-02/listing.html>
- Future Leaders Exchange Civic Education Workshop Grant <http://www.fedgrants.gov/Applicants/State/ECA/IIP-EX-EM/ECA-PE-C-PY-06-02/listing.html>
- FY 2006 Eurasia/South Asia Teaching Excellence and Achievement Program Grant <http://www.fedgrants.gov/Applicants/State/ECA/IIP-EX-EM/ECA-A-S-X-06-02/listing.html>
- Summer Language Institute for American Youth Grant <http://www.fedgrants.gov/Applicants/State/ECA/IIP-EX-EM/ECA-PE-C-PY-06-16/listing.html>

Department of the Army (USA)

- 2006 PATHOGEN AND TOXIN CONCENTRATION SYSTEMS FOR WATER MONITORING BROAD AGENCY ANNOUNCEMENT Grant <http://www.fedgrants.gov/Applicants/USA/AMC1/DAAD19/W911NF-06-R-0002/listing.html>
- FY2006 Deployed War Fighter Protection Research Program Grant <http://www.fedgrants.gov/Applicants/USA/SMDC/DASG60/W9113M-06-S-0001/listing.html>

Department of the Air Force (USAF)

- Collaborative Research in Aeronautical Sciences Grant <http://www.fedgrants.gov/Applicants/USAF/AFRL/Wright/BAA-PKV-05-10/listing.html>
- Fiscal Year 2006 Test and Evaluation (T&E) Research Program Grant <http://www.fedgrants.gov/Applicants/USAF/AFMC/AFOSR/AFOSR-BAA-2006/listing.html>
- RESEARCH INTEREST OF THE AIR FORCE OFFICE OF SCIENTIFIC RESEARCH Grant <http://www.fedgrants.gov/Applicants/USAF/AFMC/AFOSR/AFORS-BAA-2006-1/listing.html>

Department of the Interior (DOI)

- Bureau of Reclamation, Simplified Acquisition and Financial Assistance Group - UC-820 Middle Rio Grande Endangered Species Act Collaborative Program - Science (Research and Monitoring) <http://www.fedgrants.gov/Applicants/DOI/BOR/UC820/06-SF-40-2452/listing.html>

- Bureau of Reclamation, Simplified Acquisition and Financial Assistance Group - UC-820 Middle Rio Grande Endangered Species Act Collaborative Program - Habitat Restoration Construction <http://www.fedgrants.gov/Applicants/DOI/BOR/UC820/06-SF-40-2454/listing.html>
- U.S. Fish & Wildlife Service Region 7, Fisheries Resource Monitoring Program, Notice of Availability of Federal Assistance and Procurement Opportunities, 2007 Request for Proposals http://www.fedgrants.gov/Applicants/DOI/FWS/FWS_R7/701816R009/listing.html

Department of the Navy (USN)

- Department of Homeland Security Institute for Discrete Sciences University Affiliate Centers Grant <http://www.fedgrants.gov/Applicants/USN/ONR/HQ/BAA%26%23032%3B06-003/listing.html>

Environmental Protection Agency (EPA)

- Cooperative Training in Environmental Sciences Research Grant <http://www.fedgrants.gov/Applicants/EPA/OGD/GAD/EPA-ORD-NHEERL-IO-001/listing.html>
- EPA/NOAA/ONR/NASA: ECOLOGY & OCEANOGRAPHY OF HARMFUL ALGAL BLOOMS (ECOHAB) http://es.epa.gov/ncer/rfa/2005/2005_ecohab.html
- Greater Research Opportunities: Environmentally Benign Manufacturing and Processing Grant <http://www.fedgrants.gov/Applicants/EPA/OGD/GAD/EPA-G2006-GRO-C1/listing.html>
- IMPLICATIONS OF TROPOSPHERIC AIR POLLUTION FOR SURFACE UV EXPOSURES http://es.epa.gov/ncer/rfa/2005/2005_tropospheric_air_pollution.html
- Innovations Grants for State/Local/Tribal Innovative Approaches to Reducing Air Pollution <http://www.fedgrants.gov/Applicants/EPA/OGD/GAD/EPA-OAR-EMAD-05-22/listing.html>
- Regional Priorities Grant Program Grant <http://www.fedgrants.gov/Applicants/EPA/OGD/GAD/EPA-R8-2006-001/listing.html>
- Valuation for Environmental Policy Grant <http://www.fedgrants.gov/Applicants/EPA/OGD/GAD/USEPA-STAR-2006-A1/listing.html>

Health Resources and Services Administration (HRSA)

- Advanced Education Nursing Grants Grant <http://www.fedgrants.gov/Applicants/HHS/HRSA/GAC/HRSA-06-013/listing.html>
- Advanced Education Nursing Traineeship Grant <http://www.fedgrants.gov/Applicants/HHS/HRSA/GAC/HRSA-06-039/listing.html>
- Basic/Core Area Health Education Centers Grant <http://www.fedgrants.gov/Applicants/HHS/HRSA/GAC/HRSA-06-030/listing.html>
- Centers of Excellence Grant <http://www.fedgrants.gov/Applicants/HHS/HRSA/GAC/HRSA-06-021/listing.html>
- Child Health Information System Collaborative Grant <http://www.fedgrants.gov/Applicants/HHS/HRSA/GAC/HRSA-06-066/listing.html>
- Genetic Services - Grants to Support Comprehensive Medical Care for Cooley's Anemia/Thalassemia Grant <http://www.fedgrants.gov/Applicants/HHS/HRSA/GAC/HRSA-06-101/listing.html>
- Model State-Supported Area Health Education Centers Grant <http://www.fedgrants.gov/Applicants/HHS/HRSA/GAC/HRSA-06-028/listing.html>
- National Clinicians' Consultation Center Grant <http://www.fedgrants.gov/Applicants/HHS/HRSA/GAC/HRSA-06-041/listing.html>
- Nurse Anesthetist Traineeships Grant <http://www.fedgrants.gov/Applicants/HHS/HRSA/GAC/HRSA-06-037/listing.html>
- Nurse Education, Practice and Retention Grant <http://www.fedgrants.gov/Applicants/HHS/HRSA/GAC/HRSA-06-038/listing.html>
- Nursing Workforce Diversity Grant <http://www.fedgrants.gov/Applicants/HHS/HRSA/GAC/HRSA-06-035/listing.html>
- Regional Genetic and Newborn Screening Services - Supplement Grant <http://www.fedgrants.gov/Applicants/HHS/HRSA/GAC/HRSA-06-065/listing.html>
- Utilizing Family Traditions and Oral History for Health Promotion <http://www.fedgrants.gov/Applicants/HHS/HRSA/GAC/HRSA-06-051/listing.html>

National Institutes of Health (NIH)

- An SBIR Initiative for Image-Guided Cancer Interventions (R43/R44) Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/PA-06-032/listing.html>
- Assay Development for High Throughput Molecular Screening (R03/R21) Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/RFA-RM-06-004/listing.html>
- Basic And Preclinical Research On Complementary And Alternative Medicine (CAM) (R15) Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/PA-06-064/listing.html>
- Bioengineering Approaches to Energy Balance and Obesity (SBIR [R43/R44]) Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/PA-06-055/listing.html>

- Bioengineering Approaches to Energy Balance and Obesity (STTR [R41/R42]) Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/PA-06-056/listing.html>
- Course Development in the Neurobiology of Disease (R25) Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/RFA-MH-06-006/listing.html>
- Design, Synthesis, and Preclinical Testing of Potential Treatment Agents for Drug Addiction (R01) Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/PAS-06-066/listing.html>
- Development of Recombinase-Expressing ("Driver") Mouse Lines for Studying the Nervous System (U01) Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/RFA-MH-06-007/listing.html>
- Developmental Centers for Translational Research on the Clinical Neurobiology of Drug Addiction (P20) Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/RFA-DA-06-006/listing.html>
- Dissemination and Implementation Research in Health (R03) Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/PAR-06-071/listing.html>
- Dissemination and Implementation Research in Health (R21) Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/PAR-06-072/listing.html>
- Drug Abuse as a Cause, Correlate, or Consequence of Criminal Justice Related Health Disparities among African Americans (R01) Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/PA-06-068/listing.html>
- Exploratory Grants (P20) for NIBIB Quantum Projects Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/RFA-EB-06-001/listing.html>
- Framework Programs for Global Health (R25) Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/PAR-06-067/listing.html>
- Health Disparities in HIV/AIDS: Focus on African Americans (R01) Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/PA-06-069%26%23032%3B/listing.html>
- Image-Guided Cancer Interventions (STTR [R41/R42]) Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/PA-06-031/listing.html>
- Innovative Therapies and Clinical Studies for Screenable Disorders (R01) Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/PAR-06-060/listing.html>
- Innovative Therapies and Clinical Studies for Screenable Disorders (R03) Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/PAR-06-061/listing.html>
- Innovative Therapies and Clinical Studies for Screenable Disorders (R21) Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/PAR-06-059/listing.html>
- Integration of Heterogeneous Data Sources (SBIR [R43/R44]) Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/PA-06-011/listing.html>
- Interdisciplinary Developmental Science Centers for Mental Health (IDSC): Formative Centers (P20) Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/PAR-06-062/listing.html>
- Interdisciplinary Developmental Science Centers for Mental Health (IDSC): Mature Centers (P50) Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/PAR-06-053/listing.html>
- International Clinical, Operational and Health Services Research Training Award (ICOHRTA) [D43] Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/RFA-TW-06-002/listing.html>
- International Research Collaboration on Drug Addiction (R01) Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/PA-06-050/listing.html>
- Mechanisms Linking Short Sleep Duration and Risk of Obesity or Overweight (R01) Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/RFA-HL-06-003/listing.html>
- Microbicide Innovation (R21/R33) Program (MIP) Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/RFA-AI-06-005/listing.html>
- Morris K. Udall Parkinson's Disease Centers of Excellence (P50) Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/PAR-06-058/listing.html>
- NCI Phase II Small Business Innovation Research Renewal Awards for Cancer Diagnosis, Prevention, and Treatment (SBIR [R44]) Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/PA-06-051/listing.html>
- NCI Phase II Small Business Technology Transfer Renewal Awards for Cancer Diagnosis, Prevention, and Treatment (STTR [R42]) Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/PA-06-052/listing.html>
- Neurological Emergencies Treatment Trials (NETT) Network: Clinical Coordinating Center (U01) Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/RFA-NS-06-002/listing.html>
- NHLBI Exploratory Program in Systems Biology (R33) Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/RFA-HL-06-004/listing.html>
- NICHD Career Transition Award (K22) Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/PAR-06-078/listing.html>
- NIH Director's Pioneer Award Program (DP1) Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/RFA-RM-06-005/listing.html>
- NIMH Research on Mental Health in Criminal Justice at NIDA CJ-DATS Sites (MH-CJ) (R34) Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/RFA-MH-06-005/listing.html>
- Non-injection Drug Abuse and HIV/AIDS (R01) Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/PAS-06-054/listing.html>

- Novel Technologies for In Vivo Imaging (SBIR [R43/R44]) Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/PA-06-046/listing.html>
- Novel Technologies for In Vivo Imaging (STTR [R41/R42]) Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/PA-06-045/listing.html>
- Planning Grants for International Malaria Clinical, Operational and Health Services Research Training Programs (D71) Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/PA-06-070/listing.html>
- Prescription Opioid Use and Abuse in the Treatment of Pain (R01, R03, R21, R25) Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/RFA-DA-06-005/listing.html>
- Protein Interactions Governing Membrane Transport in Pulmonary Health and Disease (R01) Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/PA-06-076/listing.html>
- Research on Clinical Decision Making in Life-Threatening Illness (R01) Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/PA-06-077/listing.html>
- Small Grants for Behavioral Research in Cancer Control (R03) Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/PA-06-073/listing.html>
- Social Neuroscience Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/RFA-DA-06-004/listing.html>
- Technology and Aging: NIA Small Business Innovation Research Program Initiative (SBIR [R43/R44]) Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/PA-06-049/listing.html>
- Technology and Aging: NIA Small Business Technology Transfer Program Initiative (STTR [R41/R42]) Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/PA-06-048/listing.html>
- Training in Translational Research in Neurobiology of Disease (T32) Grant <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/RFA-DA-06-008/listing.html>

National Science Foundation (NSF)

- ALAN T. WATERMAN AWARD <http://www.nsf.gov/nsb/awards/waterman/waterman.htm>
- Centers of Research Excellence in Science and Technology (CREST) Grant <http://www.fedgrants.gov/Applicants/NSF/OIRM/HQ/06-510/listing.html>
- Developmental and Learning Sciences Grant <http://www.fedgrants.gov/Applicants/NSF/OIRM/HQ/06-511/listing.html>
- Ecology of Infectious Diseases Grant <http://www.fedgrants.gov/Applicants/NSF/OIRM/HQ/06-506/listing.html>
- Environmental Cyberinfrastructure Grant <http://www.fedgrants.gov/Applicants/NSF/OIRM/HQ/06-505/listing.html>
- Federal Cyber Service: Scholarship for Service Grant <http://www.fedgrants.gov/Applicants/NSF/OIRM/HQ/06-507/listing.html>
- Human and Social Dynamics: Competition for FY 2006 Grant <http://www.fedgrants.gov/Applicants/NSF/OIRM/HQ/06-509/listing.html>
- NATIONAL CENTER FOR ATMOSPHERIC RESEARCH [NCAR] POSTDOCTORAL FELLOWSHIPS <http://www.asp.ucar.edu/asp/pdann.html>
- PLANETARY BIODIVERSITY INVENTORIES (PBI) - SPECIAL BIENNIAL COMPETITION IN BIODIVERSITY SURVEYS AND INVENTORIES http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5343

NEW ANNOUNCEMENTS: Foundations and Other

Also see *Government Agencies* for additional opportunities. Remember to look in the *newsletter archives* for previously announced opportunities that are still active. Note: program descriptions can be found in the online version of this newsletter at:

http://www.umsl.edu/services/ora/about/ORAnews_1205_FundingOpps.html#NAFO.

AMERICAN POLITICAL SCIENCE ASSOCIATION

- **SMALL RESEARCH GRANT PROGRAM**
DUE: FEB 1
WRITE: Small Research Grant Competition
 American Political Science Association
 1527 New Hampshire Avenue, NW
 Washington, DC 20036-1206
WEB: http://www.apsanet.org/section_509.cfm
E-MAIL: grants@apsanet.org
PHONE: 202/483-2512
FAX: 202/483-2657

CENTER FOR INTERNATIONAL SECURITY AND COOPERATION, STANFORD UNIVERSITY

- **PRE/POSTDOCTORAL FELLOWSHIP PROGRAM FOR SCHOLARS AND PROFESSIONALS**
DUE: FEB 1
WRITE: Tracy Hill
CISAC
Encina Hall, E210
Stanford University
Stanford, CA 94305-6165
WEB: <http://cisac.stanford.edu/docs/fellowships/>
E-MAIL: tmhill23@stanford.edu
PHONE: 650/723-9625
FAX: 650/723-0089
- **SCIENCE FELLOWS PROGRAM**
DUE: FEB 1
WRITE: Tracy Hill
CISAC
Encina Hall, E210
Stanford University
Stanford, CA 94305-6165
WEB: <http://cisac.stanford.edu/docs/fellowships/>
E-MAIL: tmhill23@stanford.edu
PHONE: 650/723-9625
FAX: 650/723-0089
- **HOMELAND SECURITY FELLOWSHIP PROGRAM**
DUE: FEB 1
WRITE: Tracy Hill
CISAC
Encina Hall, E210
Stanford University
Stanford, CA 94305-6165
WEB: <http://cisac.stanford.edu/docs/fellowships/>
E-MAIL: tmhill23@stanford.edu
PHONE: 650/723-9625
FAX: 650/723-0089

DIRKSEN CENTER

- **CONGRESSIONAL RESEARCH AWARDS**
DUE: FEB 1
WRITE: The Dirksen Congressional Center
2815 Broadway
Pekin, IL 61554
WEB: http://www.dirksencenter.org/print_grants_CRAs.htm
E-MAIL: fmackaman@dirksencenter.org
PHONE: 309/347-7113
FAX: 309/347-6432

EDUCATIONAL TESTING SERVICE

- **POSTDOCTORAL FELLOWSHIP PROGRAM**
DUE: FEB 1
WRITE: Linda DeLauro
Fellowship Programs - MS-09R
Educational Testing Service
Rosedale Road
Princeton, NJ 08541-0001
WEB: <http://www.ets.org/research/fellowships.html>
E-MAIL: internfellowships@ets.org
PHONE: 609/734-1806

HEALTHCARE CONVENTION & EXHIBITORS ASSOCIATION

- **RESEARCH GRANT PROGRAM**
DUE: FEB 15

WRITE: Jennifer Palcher-Silliman
Healthcare Convention & Exhibitors Assoc
5775 Peachtree-Dunwoody Road
Suite 500
Atlanta, GA 30342
WEB: <http://www.hcea.org/researchgrant.html>
E-MAIL: jpalcher@kellencompany.com
PHONE: 404/252-3663
FAX: 404/252-0774

INTERNATIONAL RESEARCH & EXCHANGES BOARD

- **SHORT-TERM TRAVEL GRANTS**
DUE: FEB 1
WRITE: International Research & Exchanges Board
2121 K Street, NW
Suite 700
Washington, DC 20037
WEB: <http://www.irex.org/programs/stg/index.asp>
E-MAIL: stg@irex.org
PHONE: 202/628-8188
FAX: 202/628-8189

NATIONAL COUNCIL FOR EURASIAN & EAST EUROPEAN RESEARCH

- **NATIONAL RESEARCH COMPETITION**
DUE: FEB 15
WRITE: The National Council for Eurasian and East European Research
910 17th Street, NW
Suite 300
Washington, DC 20006
WEB: http://www.nceeer.org/Programs/national_research_competition.htm
E-MAIL: dc@nceeer.org
PHONE: 202/822-6950
FAX: 202/822-6955

RESOURCES FOR THE FUTURE

- **GILBERT F. WHITE POSTDOCTORAL FELLOWSHIP PROGRAM**
DUE: FEB 28
WRITE: Coordinator for Academic Programs
Resources for the Future
1616 P Street, NW
Washington, DC 20036-1400
WEB: http://www.rff.org/rff/About/Fellowships_and_Internships/Index.cfm
PHONE: 202/328-5155
FAX: 202/939-3460
- **JOSEPH L. FISHER DOCTORAL DISSERTATION AWARDS**
DUE: FEB 28
WRITE: Coordinator for Academic Programs
Resources for the Future
1616 P Street, NW
Washington, DC 20036-1400
WEB: http://www.rff.org/rff/About/Fellowships_and_Internships/Index.cfm
PHONE: 202/328-5155
FAX: 202/939-3460

NEW ANNOUNCEMENTS: Postdoctoral, Graduate and Undergraduate Opportunities

Postdoctoral and Graduate Student Funding Opportunities

American Association for Cancer Research

- AACR Career Development Awards
http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=1103
Deadline: 1 December 2005

Centers for Disease Control and Prevention

- Developing Methodologies to Determine the Prevalence of Autism Spectrum Disorders in Early Childhood and Young Adult Populations
http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=3622
Deadline: 5 January 2006

Charles A. and Anne Morrow Lindbergh Foundation

- Lindbergh Grants Program
http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=1267
Deadline: 8 June 2006

Damon Runyon Cancer Research Foundation

- Damon Runyon Clinical Investigator Award
http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=1772
Deadline: 1 March 2006

Donaghue Foundation

- Donaghue Investigator Program
http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=2202
Deadline: 20 April 2006

Goldman Philanthropic Partnerships

- Biomedical Pilot Initiative
http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=1541
Deadline: 16 November 2005
- Scholarships in Medical Science
http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=1484
Deadline: 16 August 2006

Harvard School of Public Health

- Yerby Postdoctoral Fellowships
http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=3623
Deadline: 15 January 2006

National Institutes of Health/NIH

- Mechanisms Linking Short Sleep Duration and Risk of Obesity or Overweight (R01)
http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=3619
Deadline: 25 January 2006
- Social Neuroscience
http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=3621
Deadline: 23 February 2006
- Training in Translational Research in Neurobiology of Disease (T32)
http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=3620
Deadline: 2 February 2006

National Oceanic and Atmospheric Administration (NOAA)

- Coastal Management Fellowship
http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=2659
Deadline: 30 January 2006

University of California Santa Cruz

- CBSE Diversity Fellowships in Genomic Science
http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=3624
Deadline: 2 weeks before the start of each academic quarter

Funding Opportunities for Undergraduates

National Science Foundation

- Federal Cyber Service: Scholarship for Service (SFS)
http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=3617
Deadline: 2 February 2006

University of California Santa Cruz

- CBSE Diversity Awards in Genomic Science
http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=3627
Deadline: 2 weeks before the start of each academic quarter

APPLICATION DEADLINES

To download the October 2005 Grant Advisor **deadline memo** in PDF format, visit http://www.umsl.edu/services/ora/about/documents/DeadlineMemo_Dec05.pdf.

News

Research News:

- ❑ Proposed Federal Guidelines Urge Universities to Accurately Report Researchers' Use of Time
- ❑ Scientists' Participation in University Research Centers: What are the Gender Differences?
- ❑ No Gender Gap in Science at UMSL
- ❑ Duping the Brain Into Healing the Body

Technology Transfer News:

- ❑ Photos: Express Scripts Breaks Ground at UMSL
- ❑ InvestMidwest Puts Out Call for Entrepreneurs

Research News

Proposed Federal Guidelines Urge Universities to Accurately Report Researchers' Use of Time

Excerpted from the Chronicle of Higher Education

Nov. 29, 2005

By JEFFREY BRAINARD

Universities should set up accurate reporting systems to track the time that their scientists spend on federally financed research projects, the U.S. Department of Health and Human Services proposed on Monday.

The [proposed guidance](#), published in the *Federal Register* by the department's inspector general, does not specifically suggest that researchers punch time cards or record time worked by the hour, the way lawyers do. But the proposal could be read to require that level of precision, which would greatly burden colleges and researchers, said Anthony P. DeCrappeo, president of the Council on Governmental Relations, an association of research universities.

The department's inspector general requested comments on the proposed guidance by December 28. The notice says the guidance is not meant to bind grant recipients, but university officials say they ignore such "advice" at their peril.

The notice follows several recent cases in which the federal government said that academic scientists had spent less time working on federal research grants than they had promised. Such cases can arise in part because some scientists overcommit their time among research, teaching, and, at medical schools, caring for patients. Since 2003, Northwestern, the Johns Hopkins, and Harvard Universities have all settled such allegations without admitting liability.

Currently, federal rules -- laid out in a document called Circular A-21 -- do not require colleges to specifically track or report their researchers' hours on federally supported projects. Instead, colleges can provide "a reasonable estimate" of the percentage of researchers' time to be spent and confirm that the promised work was performed. Such checking, sometimes called "effort reporting," is required once an academic term or at least every six months. ■

Complete article available for non-subscribers through Dec 4 at:
<http://chronicle.com/temp/email.php?id=z3saspmh7v9qt63ywf61tvequ6l2d98r>
Available for subscribers at: <http://chronicle.com/daily/2005/11/2005112901n.htm>

Scientists' Participation in University Research Centers: What are the Gender Differences?

By Elizabeth Corley, School of Public Affairs, Arizona State University; and Monica Gaughan, School of Public Policy, Georgia Institute of Technology

Full article in *The Journal of Technology Transfer* ([download complete article - PDF](#))

Volume 30, Number 4

October 2005

Abstract:

University-affiliated multidisciplinary research centers have grown in importance in academia. Most research to-date has focused on these centers from an institutional perspective, with recent work only beginning to explore the ways in which such centers affect the development of academic careers. Hence, little is known about how scientists who are center-affiliated differ from those who are not affiliated. Clearly, both selection and influence effects may be expected to operate in terms of research productivity, timing, and resources. A further puzzle is how center affiliation may differ between male and female scientists. In this study, we use a new,

nationally representative dataset of scientists and engineers working in Carnegie Research Extensive universities to develop an understanding of how center-affiliated scientists differ from exclusively department-based academic scientists and engineers, and investigate the extent to which gender moderates the effects of centers. As expected, our national sample shows that women are younger, whiter, less likely to be tenured, and at a lower rank than their male colleagues. We find that women are as likely to join centers as men, and do so at a similar stage in their career. Most of the male–female differences observed in disciplinary settings are sustained in centers, but women appear to have greater research equality in them (compared to the departmental setting). In particular, men and women in centers spend the same amount of time writing grant proposals, conducting both grant-supported and unfunded research, and administering grants. This suggests that centers may constitute an institutional context in which some aspects of gender equity in science may be achieved. ■

No Gender Gap in Science at UMSL

*From the St. Louis Post-Dispatch - LETTERS
Nov. 5, 2005*

The story "The gender gap in science is shrinking at universities" (Oct. 23) drew attention to the important and growing role of women in academic science departments. My female colleagues and I were surprised that University of Missouri-St. Louis was not listed among the "four area universities," particularly because UMSL clearly illustrates the very phenomenon.

Our combined departments of biology, chemistry and physics have 48 full-time regular faculty, 15 of whom are women. In the three departments comparable to ours at Saint Louis University, about 16 percent are women.

The story cites that, on average, women bring in fewer grant dollars than men. UMSL is exceptional in this regard. Women faculty in all of our science departments are active in research. Together we brought in 45 percent of the total external funding to our three departments in the last calendar year (\$2.1 million of \$4.6 million), even though we comprise approximately a third of the faculty members.

The story suggests that women may be choosing not to work at universities such as Washington University because the competition is too intense, because they prefer a role with more teaching and less research or because they have trouble juggling work and family. We suggest that there are other reasons for choosing a public university.

At UMSL, many of us were attracted by the opportunity to build an institution. By our own research, we determine the direction for our departments and for the university. We compete for research dollars with every scientist in the country and succeed much of the time in winning those awards. We struggle with work and family like all professional women and all professional men too. We teach because it is an important part of scholarship, not because we can't handle the pressure of research.

Elizabeth Kellogg
Biology Department, University of Missouri-St. Louis ■

Duping the Brain Into Healing the Body

Researchers Analyze the Mysterious Placebo Effect

Excerpted from the Chronicle of Higher Education

Dec. 2, 2005 issue

By LILA GUTERMAN

The placebo effect — it's all in your head. When you swallow sugar pills instead of powerful medicine and your symptoms disappear, it's all thanks to the power of your mind.

How does the brain perform this parlor trick? In the past, scientists suspected that any apparent health benefits from placebos had little more basis in biology than did sleight of hand. In studies of new drugs, patients might tell their doctors they feel better because they think that is what their doctor wants to hear. Or perhaps they would have recovered without any treatment, real or sham.

But researchers now know that the placebo effect is real and grounded in the physiology of the brain. Using techniques to peer inside the skull, they have begun to find regions of the brain that respond to placebos, and they have even watched a single nerve cell react to a sham medicine.

Those studies show that placebos affect the brain in much the same way that actual treatments do, researchers reported here in November at the annual meeting of the Society for Neuroscience. In other words, the power to treat several troublesome disorders may be wrapped up in the three-pound spongy lump of tissue protected by the skull.

The research points to the power of positive thinking — even at the unconscious level. When the brain expects relief, it can manufacture some on its own. "The things you can change with a positive outlook are profound," says Tor D. Wager, an assistant professor of psychology at Columbia University. "They are deeper physiologically than we have previously appreciated."

None of the researchers who study the mechanism of the placebo effect suggest that doctors should prescribe dummy pills instead of real medicine. But they say that the study of the placebo effect could change the way scientists perform clinical trials of new treatments and could even alter how we understand and treat pain, Parkinson's disease, and depression.

By studying placebos, says Christian S. Stohler, dean of the school of dentistry at the University of Maryland at Baltimore, "you crack into disease mechanisms that might be very important for improving the lives of many pain patients." ■

Complete article available for non-subscribers through Dec 4 at:

<http://chronicle.com/temp/email.php?id=rwa0cc29x9n4sqmqt2qb0om1ao3tiq7x>

Available to subscribers at: <http://chronicle.com/weekly/v52/i15/15a01201.htm>

Technology Transfer News

Photos: Express Scripts Breaks Ground

Express Scripts broke ground at the new University of Missouri-St. Louis research park on Nov. 2. The company will be the highest ranking Fortune 500 venture with its headquarters on a university campus. ■



Above left: A group of UM-St. Louis, Express Scripts and regional leaders broke ground for Express Scripts' new headquarters on Nov. 2. Express Scripts plans to occupy the space in early 2007. Beginning sixth person from the left, Tom George, Chancellor, UM-St. Louis; George Paz, CEO, Express Scripts; and Charlie Dooley, St. Louis County Executive, were among the speakers at the groundbreaking ceremony.

Above right (from left): Tom George, Chancellor, UM-St. Louis; George Paz, CEO, Express Scripts.

InvestMidwest Puts Out Call for Entrepreneurs

From The St. Louis Business Journal (online updates)

Nov. 17, 2005

Information also from www.investmidwestforum.com

InvestMidwest Venture Capital Forum is looking for high-growth companies interested in obtaining venture capital in the 2006 forum in St. Louis.

The organization set Dec. 16 as the early application deadline and Jan. 13 as the final application deadline to be considered for the April 5-6 venture capital forum, underwritten by the Danforth Foundation and the Ewing Marion Kauffman Foundation.

The event in 2006 will have a life-science track and a technology/general business track.

Since it began six years ago, InvestMidwest has helped generate more than \$250 million in equity investments for presenting companies. ■

Calendar

Internal Meetings & Deadlines

❑ **PeopleSoft Training -- Grants:** Tuesday, Dec 13

Time: 1 p.m.

Location: South Campus Computer Building

Register: Please register at <http://www.umsl.edu/training>. If you have a problem registering please contact Mary Brown at brownma@umsl.edu 516-6016.

❑ **IACUC Meetings:** Dec 2, Jan 6, Feb 3

(1st Friday of each month -- schedule subject to change)

Time: 3 p.m.

Location: Biology Conference Room

Protocols are due 10 days prior to meeting to John Hancock, 341 Woods Hall.

❑ **IRB Meetings:** Dec 15, Jan 19, Feb 16

(3rd Thursday of each month -- schedule subject to change)

Time: 9 a.m.

Location: 335 Woods Hall

Protocols are due 10 days prior to meeting to John Hancock, 341 Woods Hall.

❑ **UM-St. Louis Research Awards:** Due Feb 6, 2006

❑ **University of Missouri Research Board Awards:** Due Feb 13, 2006, 5 p.m.

❑ **UM-St. Louis Small Grants:** Due Mar 6, 2006

Upcoming Events & Training

❑ **Art Exhibit Opening Reception & Panel Discussion: The Post-Ironic Lull**

Description: An opening reception for a multimedia art exhibit featuring works by UM-St. Louis faculty and other artists.

Day: Friday, Dec. 2

Time: 7 p.m. until midnight

Location: UMSL Galaxy
1227 Washington Ave. (downtown)

Cost: Free and open to the public

Description: A panel discussion on the Post-Ironic Lull.

Day: Saturday, Dec. 3

Time: Noon

Location: UMSL Galaxy
1227 Washington Ave. (downtown)

Cost: Free and open to the public

❑ **CET Extended Technology Entrepreneur Education Program:** Dec 14

"How to Get Significant Savings from Federal R&D Tax Credits"

Description:

This program will provide an overview of the new federal R&D tax credit legislation and how small and mid-size companies can qualify for and recover tax credits. These tax credits offset your tax liability on a dollar-for-dollar basis and can be carried forward for 20 years! This subject matter will be presented through lectures with

handout materials provided, case studies, and Q&A panels. The program is tailored for entrepreneurs in the R&D business sector, and non-tax professionals such as lawyers and accountants working with these businesses.

Specific course objectives include:

- Understanding the criteria for qualifying activities
- Recognizing qualified research expenses
- Learning how to calculate the R&D Tax credit with case examples

Speakers include:

- Patti Myers, CPA - Lopata, Flegel & Company, LLP
- Jim Owens, CPA – Lopata, Flegel & Company, LLP
- Mary Willis, CPA – Lopata, Flegel & Company, LLP
- Brenda Talent, Tax Attorney – Bryan Cave and WU Adjunct Professor in tax law

2.0 Missouri CPE credits, 2.0 Missouri CLE credits (application pending)

Day: Wednesday, Dec 14

Time: 3 to 5 p.m., followed by a networking reception from 5 to 6 p.m.

Location: Center for Emerging Technologies

4041 Forest Park Avenue

St. Louis, MO 63108

Parking: Free parking at the SE corner of Sarah and Forest Park

Fee/Registration: \$10 for non-members, \$25 for CPE/CLE credits (cash or check only).

Please register by submitting your contact information via:

1. Fax: 314-615-6901
2. Phone: 314-615-6325
3. Email: CET_programs@emergingtech.org
4. Post Mail: see address above

▣ **RCGA/Technology Gateway Plant & Life Science Network:** Dec 16

Guest Speaker: Dr. Frank Yin, Chairman, Department of Biomedical Engineering, Washington University

Day: Friday, Dec 16

Time: 8 a.m. to 9:30 a.m.

Location: Washington University West Campus facility

2nd Floor, Multipurpose Room

7425 Forsyth Blvd.

Clayton, MO 63105

(Parking is available in the lot immediately east of the building.)

More Info: <http://www.technologygateway.org>

RSVP: techrcga@stlrcga.org

▣ **RCGA/Technology Gateway Plant & Life Science Network:** Jan 20

Guest Speaker:

Dr. Hugh Grant, President and CEO, Monsanto Company

Day: Friday, Jan 20

Time: 8 a.m. to 9:30 a.m.

Location: Washington University West Campus facility

2nd Floor, Multipurpose Room

7425 Forsyth Blvd.

Clayton, MO 63105

(Parking is available in the lot immediately east of the building.)

More Info: <http://www.technologygateway.org>

RSVP: techrcga@stlrcga.org

Contact Us

Office of Research Administration

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St. Louis MO 63121
Phone: 314-516-5897
Fax: 314-516-6759
Web: <http://www.umsl.edu/services/ora/>

Please direct comments and questions regarding this newsletter to **Tamara Kratochvil**, kratochvilt@umsl.edu.

Help with the Basics

(See contact information below under ORA Staff)

- **PRE-AWARD**
 - Funding opportunities: [Tamara Kratochvil](#)
 - Narrative editing: [Tamara Kratochvil](#)
 - Budget: [Ginny Schodroski](#)
 - Agency proposal requirements: [Ginny Schodroski](#)
 - Electronic proposal submission: [Brenda Stutte](#)
 - Internal awards: [Brenda Stutte](#)
 - Award status: [Brenda Stutte](#), [Ginny Schodroski](#)
 - PeopleSoft assistance: [Ginny Schodroski](#)
- **POST-AWARD**
 - Accounting (invoicing, financial reports, account tracking, etc.): [Margie Fisher](#)
 - Faculty grant account set-up: [Ginny Schodroski](#)
 - Effort reporting: [Karen Boyd](#)
 - Funding agency compliance: [Karen Boyd](#)
 - Policies and procedures: [Karen Boyd](#)
- **OTHER**
 - Policies and procedures: [Nasser Arshadi](#)
 - General accounting questions: [Karen Boyd](#)
 - Reports on UM-St. Louis grants: [Brenda Stutte](#)
 - Sponsored research agreements (standard license option): [Ginny Schodroski](#)
 - IRB and IACUC compliance: [John Hancock](#)
 - Care of lab animals: [Larry Hinkle](#)
 - Technology transfer (invention disclosures, IP protection, licenses, confidentiality agreements, material transfer agreements, etc.): [Tamara Kratochvil](#)
 - "Spirit of Innovation" newsletter: [Tamara Kratochvil](#)

ORA Staff

Nasser Arshadi (arshadi@umsl.edu, 516-5899), Ph.D., Vice Provost for Research, oversees the mission of UM-St. Louis Office of Research Administration, collaborating with chief research officers on each of the University of Missouri system campuses and promoting UM-SL projects and research. He also supervises UM-St. Louis' research and entrepreneurial operations on-and-off-Campus, including the Public Policy Research Center, Center for Emerging Technologies, and Missouri Enterprise, among others. [Bio Sketch](#)

Karen Boyd (boyd@umsl.edu, 516-5923), B.S. in Business Administration, Manager, Business/Fiscal Operations, oversees all grant-related accounting, ranging from preparation of budgets for funding applications to handling invoicing for current grant-funded projects.

Margie Fisher (fisherms@umsl.edu, 516-5893), B.A. in Finance, Senior Accountant, handles post-award accounting for grants and contracts, including invoicing, preparing financial reports, tracking accounts and making daily deposits.

Susan Gilyon (gilyons@umsl.edu, 516-5899) B.S., Business Administration, Senior Management Analyst, provides fiscal, operational, and managerial services at the ORA and supports technology transfer and commercialization activities

Larry Hinkle (hinklelg@umsl.edu, 516-5928), Animal Technician II, provides daily care to all lab animals and maintains facility equipment and orders supplies. He assists students and researchers with technical services.

John Hancock (hancockjc@umsl.edu, 516-5928), M.S. in Animal Science, Manager, Animal Welfare Unit and Compliance, oversees the operations of UM-St. Louis' research animal facility, satellite facilities, and labs; monitors training and maintenance; and maintains financial and research records to ensure compliance with regulations.

Tamara Kratochvil (kratochvilt@umsl.edu, 516-6884), B.J. in Journalism, Technology Transfer Coordinator/Senior Grant Writer, directs and coordinates all campus technology transfer activities, seeks funding opportunities for campus projects and research, serves as "Spirit of Innovation Newsletter" editor, and advises faculty and staff in preparing grant applications.

Virginia (Ginny) Schodroski (ginny@umsl.edu, 516-5284), Grant and Contract Specialist, assists faculty and staff in preparing budgets and with the submission of their funding applications, ensuring that all documents comply with University and granting agency regulations. She also sets up the accounts for awards to the faculty.

Brenda Stutte (stutte@umsl.edu, 516-5897), Grant and Contract Specialist, coordinates campus-based funding programs (UM-St. Louis Research Awards and the Small Grants fund), assists the faculty with submissions of externally funded research proposals to federal agencies, and provides accounting services in the distribution of the Grant Incentive Fund.