

# Spirit of INNOVATION

Research, Creativity and Commercialization News

OFFICE OF RESEARCH ADMINISTRATION NEWSLETTER December 2006 (Volume VI, No. 6)

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)).

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## RECENT AWARDS

### **EXTERNALLY FUNDED AWARDS, October 2006**

**Nasser Arshadi**, Office of Research Administration, awarded \$286,871 for "Center for Emerging Technologies" by the Missouri Department of Economic Development.

**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.

**David Clark**, Biology, awarded \$20,485 for "Characterizing Forest Structure for Assessments of Carbon Cycling and Biodiversity: An Integrated Approach Using Lidar Remote Sensing, Field Studies, and Ecosystem Modeling" by the University of Maryland.

**Louis Gerteis and Andrew Hurley**, History, awarded \$732,428 for "Placing Museums in Virtual Context" by the Institute of Museum and Library Services.

**Joel Glassman**, Center for International Studies, awarded \$10,000 for "Consultation Agreement" by the Modern College of Business and Science.

**Elizabeth Kellogg**, Biology, awarded \$113,762 for "GEPR: Genetic mechanisms regulating inflorescence architecture in maize and other cereals" by the University of California-Berkeley.

**Carolyn Neal**, Dean College of Education, awarded \$301,606 for "Missouri Accelerated Schools 06-07" by the Missouri Department of Elementary and Secondary Education.

**Robert E. Ricklefs and Marcos Coelho**, Biology, awarded \$14,925 for "Systematics and evolution of neotropical fire-eye antbirds (Thamnophilidae, Aves): Integrating voice, morphology and molecules" by the National Science Foundation.

**Charles Schmitz and Gregory Aubuchon**, Dean's Office, College of Education, awarded \$50,000 for "LEMA FY2007" by St. Louis County, Missouri.

**Thomas Schnell II**, Educational Leadership & Policy, awarded \$92,483 for "Regional Professional Development Center Compliance Consultant" by the Missouri Department of Elementary and Secondary Education.

**Thomas Schnell II, Cody Ding and Lloyd Richardson**, Educational Leadership & Policy and Mathematics & Computer Science, awarded \$635,048 for "Missouri Reading First Evaluation-Literacy

Evaluation for No Child Left Behind" by the Missouri Department of Elementary and Secondary Education.

**Diane Scollay**, Continuing Education & Outreach, awarded \$ 21,746, for "National Writing Project" from the National Writing Project Corporation.

**Patricia Simmons, Lynn Beckwith, Carl Hoagland and Gwendolyn Turner**, Teaching & Learning and Educational Leadership & Policy, awarded \$4,790,204 for "ST LOUIS IN GEAR FOR SUCCESS (SLINGS)" by the U.S. Department of Education.

**Terry Suhre**, Art & Art History, awarded \$9,906 for "Gallery 210 Exhibition Season 2006-2007" by the Missouri Arts Council.

**Mark Tranel**, Public Policy Research Centers, awarded \$70,633 for "Project to evaluate case management services for the Near South Side Hope VI project" by the St. Louis Housing Authority.

**Mark Tranel**, Public Policy Research Centers, awarded \$28,513 for "Public Pension Funds Investment Strategy Study" by Civic Progress.

**Mel Watkin**, Public Policy Research Centers, awarded \$7,710 for "Photography Project and Point of View Exhibition" by the Missouri Arts Council.

**Patricia Wente**, KWMU FM Radio, awarded \$2,800 for "Cityscape" by the Missouri Arts Council.

**Zhi Xu**, Chemistry, awarded \$98,614 for "Ultrasensitive Transmission Spectrophotometer" by Alltech Associates Inc.

**Total Awarded: \$7,354,737**

October 2006 External Funding Where it Comes From	
Association	\$50,259
Corporation	\$98614
Federal	\$5,604,559
MO Local Government	\$120,633
Other University	\$144,247
State of Missouri	\$1,336,425
<b>TOTAL</b>	<b>\$7,354,737</b>

October 2006 External Funding Where it Goes	
Research	\$882,834
Other Sponsored Activity	\$6,471,903
Instruction	\$0
Student Financial Aid	\$0
<b>TOTAL</b>	<b>\$7,354,737</b>

#### **UMSL RESEARCH AWARDS, Fall 2006**

**Godfrey Bourne**, Biology, awarded \$12,500 for "Flexibility and Adaptability of Behavioral Syndromes in Penta Livebearing Fish, Poecilia parae."

**Berit Brogaard**, Philosophy, awarded \$7,765 for "Transient Truths: A Defense of Temporalism."

**Wilma Calvert**, Nursing, awarded \$8,082 for "Adolescent's Early Alcohol Use and Participation in Health-Compromising Behaviors."

**Adrian Clinger**, Mathematics, awarded \$7,822 for "The Mathematics of String Dualities: Geometric and Number Theoretic Aspects."

**John Dalton**, English, awarded \$6,519 for "Untitled Second Novel."

**James Hunt**, Biology, awarded \$12,500 for "Differential Gene Expression During Development of Worker and Gyne Castes of Social Wasps."

**Qingtang Jiang**, Mathematics and Computer Science, awarded \$6,519 for "Multi-Level Processing of Surface Geometry with Diffusion Maps and Wavelets."

**Michael Ohnersorgen**, Anthropology, awarded \$11,654 for "Archaeological Investigations of Chacalilla, Nayarit, Mexico."

**James Richards and Barbara Harbach**, Music, awarded \$4,000 for "Original Music to the Silent Film Judith Simon."

**Matthew Taylor**, Psychology, awarded \$7,823 for "Among Rural-Dwelling, African American Youth."

**Teresa Thiel**, Biology, awarded \$12,500 for "Transport of Magnesium in Anabaena."

**Total Awarded: \$97,684**

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## FUNDING OPPORTUNITIES

Opportunities listed are a sampling only. For additional opportunities, visit [Grants.gov](http://www.grants.gov) (<http://www.grants.gov>), [Grant Advisor Plus](http://www.grantadvisor.com/tgaplus/) (<http://www.grantadvisor.com/tgaplus/>), [InfoEd](http://www.infoed.org/new_spin/spinmain.asp) ([http://www.infoed.org/new\\_spin/spinmain.asp](http://www.infoed.org/new_spin/spinmain.asp)) and the RFP Bulletin of the [Foundation Center](http://www.fdncenter.org/pnd/rfp/index.jhtml) (<http://www.fdncenter.org/pnd/rfp/index.jhtml>), or contact [Tamara Kratochvil](mailto:kratochvilt@umsl.edu) ([kratochvilt@umsl.edu](mailto:kratochvilt@umsl.edu)) for a customized database search.

### NEW ANNOUNCEMENTS: GOVERNMENT AGENCIES

#### **Featured: National Research Council of the National Academies**

##### **2007 Postdoctoral and Senior Research Awards**

The program provides opportunities for Ph.D., Sc.D. or M.D. scientists and engineers of unusual promise and ability to perform research on problems largely of their own choosing, yet compatible with the research interests of the sponsoring laboratory.

Full-time associateships will be awarded on a competitive basis in 2007 for research in the fields of chemistry, earth and atmospheric sciences, engineering, applied sciences and computer science, life and medical sciences, mathematics, space and planetary sciences, and physics.

Postdoctoral awards are made for one or two years, renewable for a maximum of three years; senior applicants who have held the doctorate at least five years may receive awards for shorter periods.

**Annual stipends** for recent Ph.D. recipients for the 2007 program year range from \$38,000 to \$65,000, depending on the sponsoring laboratory, and are appropriately higher for senior award recipients.

**Annual application deadlines:** FEB 1, MAY 1, AUG 1, NOV 1.

**Detailed information:** <http://www.national-academies.org/rap>

**WHEN PREPARING A  
GRANT PROPOSAL,  
REMEMBER TO SUBMIT  
YOUR BUDGET TO GINNY  
SCHODROSKI AT LEAST  
2 WEEKS BEFORE THE  
PROPOSAL SUBMISSION  
DEADLINE.**

[ginny@umsl.edu](mailto:ginny@umsl.edu) or x.5284

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

- Kenya USAID-Nairobi, Teacher Education and Professional Development Program  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11663>
- Regional Education Policy Reform Support Activity Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11516>

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

- Children, Youth, and Families at Risk - Sustainable Community Projects Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11344>
- Higher Education Challenge Grants Program Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11335>
- Integrated Research, Education, and Extension Service Competitive Grants Program: Methyl Bromide Transitions Program Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11597>
- Outreach and Assistance for Socially Disadvantaged Farmers and Ranchers Competitive Grants Program Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11357>

### **Department of Defense (DOD)**

#### Air Force Office of Scientific Research

- Medical Free Electron Laser-Related Biomedical Research Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11499>
- GameChanger 2007 - MULTIFUNCTIONAL DESIGN OF HYBRID COMPOSITES FOR LOAD BEARING ANTENNAS: Materials by Design, N-Reinforcement and Engineered Topography Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11647>

#### Air Force – Research Lab

- Advanced Development of Optically Hardened Materials (ADOHM) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11477>
- CALL 0001 for Space Electronics Open 5-Year BAA Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11532>
- Call 0002 Space Electronics Open 5-Year BAA Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11533>
- Space Components Technology Open 5-Year Broad Agency Announcement  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11534>
- SPACE ELECTRONICS OPEN 5 YEAR BROAD AGENCY ANNOUNCEMENT  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11531>

#### DARPA

- Information Processing Technology Office Bootstrapped Learning (BL) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11489>

#### Department of the Army

- Materiel Command ARL/ARO Broad Agency Announcement Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11440>
- Materiel Command ARO Broad Agency Announcement Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11441>
- Gulf War Veterans' Illnesses Research Program (GWVIRP) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11334>

### **Department of Education (ED)**

- Disability and Rehabilitation Research Projects and Centers Program (84.133A-4) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11341>
- Field Initiated (FI) Projects (Development) 84.133G-2 Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11524>
- Field Initiated (FI) Projects (Research) CFDA 84.133G-1 Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11523>
- Personnel Development to Improve Services and Results for Children with Disabilities--Professional Development Center: Children with Autism Spectrum Disorders (CFDA 84.325G) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11522>
- Personnel Development to Improve Services and Results for Children With Disabilities Program CFDA Number 84.325T Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11632>
- Personnel Development to Improve Services and Results for Children with Disabilities--National Outreach and Technical Assistance Center on Discretionary Awards for Minority Institutions, CFDA 84.325R Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11661>
- RERC for Technologies for Successful Aging CFDA 84.133E-1 Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11526>

- Small Business Innovative Research Program (SBIR) CFDA 84.133S-1 Phase I  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11525>

### Department of Energy (DOE)

- New Analytical and Imaging Technologies for Lignocellulosic Material Degradation, for Multiplexed Screening for Plant Phenotypes Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11528>
- New Genomic Strategies and Technologies for Studying Complex Microbial Communities Validating Genomic Annotations Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11644>
- Nuclear Physics Research and Development for the Advanced Fuel Cycles Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11446>
- Program for Ecosystem Research Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11637>
- Quantitative Microbial Biochemistry and Metabolic Engineering for Biological Hydrogen Production Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11529>

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

#### Administration for Children and Families

- National Communications System for Runaway and Homeless Youth Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11688>

#### Centers for Disease Control and Prevention

- Abusive Head Trauma (AHT) Prevention Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11448>
- Dissemination Research on Fall Prevention: "Stepping On" in a U.S. Community Setting  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11359>
- Grants for Traumatic Injury Biomechanics Research Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11353>
- Maximizing Protective Factors for Youth Violence Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11352>
- National Trauma Information and Exchange Program Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11705>
- Terrorism Injuries: Information, Dissemination and Exchange (TIIDE) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11659>
- The Impact of Traumatic Brain Injury among Incarcerated Persons  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11456>

#### Food & Drug Administration

- Clinical Studies of Safety and Effectiveness of Orphan Products Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11589>

#### Health Resources & Services Administration

- Screening for Heritable Disorders in Children: Efficacy from a Family/Consumer Perspective Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11609>

#### National Institutes of Health

- A Data Coordination Center for the Encyclopedia of DNA Elements (ENCODE) Project (U41) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11521>
- Alcohol Use Disorders: Treatment, Services Research, and Recovery (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11576>
- Ancillary Studies of Kidney Disease Accessing Information from Clinical Trials, Epidemiological Studies, and Databases: (R21) <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8274>; (R01)  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11601>
- Ancillary Studies to Major Ongoing NIDDK and NHLBI Clinical Research Studies (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11558>
- Animal Models of NIDDK Relevant Diseases (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11582>
- Basic and Clinical Studies of Congenital Urinary Tract Obstruction (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11584>
- Basic and Preclinical Research on Complementary and Alternative Medicine (CAM) (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11539>
- Basic and Translational Research in Emotion (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11626>

- Basic Research in the Bladder and Lower Urinary Tract (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11555>
- Biobehavioral Methods to Improve Outcomes Research (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11557>
- Brain Imaging Drug Use Prevention Messages (R21) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11518>
- Bridges to the Baccalaureate Program for Underrepresented Students (R25) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11462>
- Bridges to the Doctorate for Underrepresented Students (R25) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11464>
- Calcium Oxalate Stone Diseases: (R01)  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11602>; (R21)  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=8265>
- Center for Genomic and Phenomic Studies in Autism (U24) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11704>
- Chronic Illness Self-Management in Children and Adolescents (R03) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11707>
- Collaborative Initiative on Fetal Alcohol Spectrum Disorders (CIFASD)(U01 and U24) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11696>
- Collaborative R01s for Clinical and Services Studies of Mental Disorders, AIDS and Alcohol Use Disorders (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11650>
- Collaborative Research for Molecular and Genomic Studies of Basic Behavior in Animal Models (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11666>
- Cooperative Research Partnerships for Biodefense (U01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11700>
- Creating the Encyclopedia of DNA Elements (ENCODE) in the Human Genome (U01 and U54) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11520>
- Development of Assays for high Throughput Drug Screening (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11606>
- Development of Disease Biomarkers (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11603>
- Development, Application, and Evaluation of Prediction Models for Cancer Risk and Prognosis: (R21)  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11354>; (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11553>
- Developmental Biology and Regeneration of the Liver (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11563>
- Developmental Psychopharmacology (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11627>
- Dissemination and Implementation Research in Health (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11629>
- Drug Discovery for Nervous System Disorders: (R01)  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11599>; (R21) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11527>
- Effectiveness, Practice, And Implementation In CMHS Comprehensive Community Mental Health Services Program for Children and their Families Service Sites (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11649>
- Environmental Sensors for Personal Exposure Assessment (SBIR [R43/R44]) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11631>
- Erythroid Lineage Molecular Toolbox (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11544>
- Exploratory Grant Program in Diabetes Endocrinology and Metabolism (R21)  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=8268>
- Exploratory/Developmental Centers for Translational Research on the Clinical Neurobiology of Drug Addiction (P20) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11452>
- Extinction and Pharmacotherapies for Drug Addiction: (R01)  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11590>; (R03) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11384>
- Focal Cognitive Deficits in CNS Disorders: (R01)  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11575>; (R03) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11459>; (R21) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11460>
- Functional Links between the Immune System, Brain Function and Behavior (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11639>

- Health Disparities in NIDDK Diseases (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11565>
- Heterogeneity of Fat Depots: Underlying Basis and Association with Morbidity (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11588>
- HIV Infection Of The Central Nervous System (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11640>
- HIV/AIDS, Severe Mental Illness And Homelessness (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11648>
- Image-Guided Cancer Interventions: (SBIR [R43/R44])  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11472>; (STTR [R41/R42]) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11471>
- Indo-U.S. Vaccine Action Program (VAP) Small Research Grant Program (R03) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11633>
- Innovative Approaches to Remediation of Recalcitrant Hazardous Substances in Sediments (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11356>
- Insulin Signaling And Receptor Cross-Talk (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11585>
- Intestinal Failure, Short Gut Syndrome and Small Bowel Transplantation (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11542>
- Long-Term Weight Maintenance: Basic and Clinical Studies(R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11604>
- Mechanisms of Alcohol and Drug-Induced Pancreatitis (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11573>
- Mechanisms of Alcohol-Associated Cancers (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11568>
- Mechanisms of Alcoholic and Nonalcoholic Fatty Liver (Steatosis) (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11570>
- Mechanisms of Alcohol-Induced Tissue Injury (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11578>
- Mechanisms of Behavior Change in the Treatment of Alcohol Use Disorders (R21) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11355>
- Mechanisms of Drug Abuse Interactions with HIV Neuropathogenesis (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11552>
- Methodology and Measurement in the Behavioral and Social Sciences (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11581>
- Methods of Analysis of Gene-Environment Interactions in Complex Diseases: The Genes and Environment Initiative (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11556>
- Mind-Body Interactions and Health: Restricted Competition for Research Infrastructure Programs (R24) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11498>
- Minority Organ and Tissue Donation (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11378>
- Molecular genetics of drug addiction and related co-morbidities (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11550>
- Neurologic Motor Speech Disorders and Speech Motor Control (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11607>
- New Approaches to Arrhythmia Detection and Treatment: (SBIR [R43/R44])  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11381>; (STTR [R41/R42]) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11379>
- New Technologies for Assessing Manual Therapies (SBIR [R43]) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11450>
- NIBIB Quantum Projects: Exploratory Phase I (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11652>
- NIDCD Patient-Oriented Research Grant (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11664>
- Non-Invasive Methods for Diagnosis and Progression of Diabetes, Kidney, Urological, Hematological and Digestive Diseases (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11559>
- Pancreatic Development and Regeneration: Toward Cellular Therapies for Diabetes (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11608>
- Parenting Capacities and Health Outcomes in Youths and Adolescents (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11579>
- Pathophysiology and Treatment Response in Late-Life Mood and Anxiety Disorders (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11612>

- Proteomics: Diabetes, Obesity, And Endocrine, Digestive, Kidney, Urologic, And Hematologic Diseases (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11551>
- Recent HIV Infection: New Prevention Challenges and Opportunities (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11635>
- Research Grants for Studies of Hepatitis C in the Setting of Renal Disease (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11549>
- Research On Adherence To Interventions For Mental Disorders (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11611>
- Research on Alcohol and HIV/AIDS: (R01) <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11569>; (R03) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11572>; (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11571>
- Research On Autism And Autism Spectrum Disorders (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11628>
- Research on Chronic Insomnia Disorder (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11598>
- Research on Clinical Decision Making in Life-Threatening Illness (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11560>
- Research on Improving Health Care for Obese Patients (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11546>
- Research on Mild and/or Unilateral Hearing Loss: (R01) <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11592>; (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11461>
- Research on Mind-Body Interactions and Health (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11596>
- Research On The Reduction And Prevention Of Suicidality (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11622>
- Research Project Grant (Parent R01) <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11538>
- Retirement Economics (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11545>
- RFA: Announcement of a Limited Competition for the Continuation of the Inflammatory Bowel Disease Genetics Consortium (IBDGC) (U01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11449>
- Right Heart Function in Health and Chronic Lung Diseases: (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11587>
- Risk Factors For Psychopathology Using Existing Data Sets (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11625>
- Secondary Analysis of Existing Alcohol Epidemiology Data (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11562>
- Social and Cultural Dimensions of Health (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11595>
- Structural Interventions, Alcohol Use, and Risk of HIV/AIDS (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11591>
- Support of NIGMS Program Project Grants (P01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11373>
- Symptom Clusters in Cancer and Immune Disorders (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11547>
- The Central Processing of Taste Information (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11656>
- Transmission of Human Immunodeficiency Virus (HIV) In Semen (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11593>
- Treatment-Emergent Adverse Effects of Psychotropic Medication (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11613>
- Understanding and Promoting Health Literacy (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11554>
- Venous Thrombosis and Thromboembolism in the Elderly: (R01) <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11382>; (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11380>
- Women's Mental Health in Pregnancy and the Postpartum Period (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11624>

#### **Department of Housing and Urban Development (HUD)**

- Notice of Opportunity to Register Early and Other Important Information for Electronic Application Submission Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11385>

## Department of Justice (USDOJ)

- Community Corrections: Evaluating the Effectiveness of Electronic Monitoring for Moderate to High-Risk Offenders Under Supervision Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11364>
- Criminal Justice Technology Evaluation Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11619>
- Evaluation of Programs and Technologies to Prevent Rape in Correctional Facilities Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11536>
- Evidence-Based Model Programs for Cold Case Units Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11510>
- Modeling and Simulation Applied to Training Technologies for Public Safety Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11535>
- Research and Evaluation on the Abuse, Neglect, and Exploitation of Elderly Individuals, Older Women, and Residents of Residential Care Facilities Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11360>
- Research on Policing and Public Safety Interventions Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11327>
- Social Science Research on Emerging Issues in Forensic Science Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11594>

## Department of State (DOS)

### Bureau of Educational and Cultural Affairs

- 2007 Summer Institute for English Language Educators from South Africa Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11692>
- Bureau of Educational and Cultural Affairs, Iraqi Young Leaders Exchange Program for Undergraduate Students Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11689>

### Bureau of Intelligence Agency

- Program for Research and Training and Eastern Europe and the Independent States of the Former Soviet Union (Title VIII) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11636>

## Department of the Interior (DOI)

### Bureau of Land Management

- Jawbone Station Interpretive Services <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11339>
- Restoration & Mitigation of Lands Impacted by Illegal Border Activities Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11638>

### U. S. Fish and Wildlife Service

- Fisheries Resource Monitoring Program, 2008 Request for Proposals, Notice of Availability of Federal Assistance Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11641>
- NAWCACANADA Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11492>

### U. S. Geological Survey

- National Spatial Data Infrastructure (NSDI) Cooperative Agreement Program (CAP) <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11621>

## Department of Transportation (DOT)

- Broad Agency Announcement for Innovative Small Research Projects to Advance Public Participation Related to Public Transportation Planning <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11467>

## Environmental Protection Agency (EPA)

- ACTIVITIES THAT ADVANCE METHANE RECOVERY AND USE AS A CLEAN ENERGY SOURCE <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11145>
- INTEGRATED ASSESSMENT OF MULTIPLE GREENHOUSE GASES, CLIMATE IMPACTS, AND POLLUTION Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11457>
- Sources and Atmospheric Formation of Organic Particulate Matter Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11600>
- Strategic Agricultural Initiative Grant Program: FY 2007 Request for Proposals Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11476>
- Targeted Grants to Reduce Childhood Lead Poisoning: Request for Proposals 2006 Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11484>

## Institute of Museum and Library Services (IMLS)

- Museum Grants for African American History and Culture <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10539>

### **National Aeronautics and Space Administration (NASA)**

- ROSES2006: Ocean Biology and Biogeochemistry Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11485>
- ROSES2006: History of Scientific Exploration of Earth and Space Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11365>

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

- Publication Subventions Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11363>

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

- Digital Humanities Workshops Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11574>
- Digital Humanities Start-Up Grants <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11651>

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

- Biomedical Engineering <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11470>
- Biophotonics <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11468>
- Chemistry Research Instrumentation and Facilities  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11443>
- Cooperative Activities in Chemistry between U.S. and German Investigators Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11370>
- Discovery Corps Fellowships Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11369>
- Emerging Models and Technologies for Computation (EMT) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11496>
- Energy for Sustainability <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11349>
- Engineering Research Centers (ERC) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11486>
- Environmental Sustainability Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11350>
- Fundamental Research Supplements Program for I/UCRCs  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11351>
- Information Technology Experiences for Students and Teachers (ITEST) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11346>
- Inorganic, Bioinorganic and Organometallic Chemistry  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7626>
- NSF Scholarships in Science, Technology, Engineering, and Mathematics (S-STEM) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11543>
- Organic and Macromolecular Chemistry  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10654>
- Partnerships for Enhancing Expertise in Taxonomy Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11444>
- Research in Support of the National Space Weather Program Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11465>
- Research to Aid Persons with Disabilities Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11469>
- Theoretical Foundations 2007 Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11566>

### **NEW ANNOUNCEMENTS: FOUNDATIONS & OTHER**

<http://www.grantadvisor.com/tgaplus/>

### **APPLICATION DEADLINES**

[http://www.umsl.edu/services/ora/about/documents/DeadlineMemo\\_Dec06.pdf](http://www.umsl.edu/services/ora/about/documents/DeadlineMemo_Dec06.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: SUBMIT YOUR BUDGET TO GINNY SCHODROSKI TWO WEEKS PRIOR TO SUBMISSION DEADLINE.** 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

### UNIVERSITY OF MISSOURI NEWS

- [UM-St. Louis Science Faculty Among Most Frequently Read](#)
- [Undergraduate Research Finds New Support at UM-St. Louis](#)

### OTHER NEWS OF INTEREST

- [NIH R01 Grant Applications Go Electronic](#)
- [Top Scientific Journal Ponders Tighter Publishing Guidelines](#)

#### **UM-St. Louis Science Faculty among Most Frequently Read**

Both Jingyue "Jimmy" Liu, Professor and Director of the Center for Molecular Electronics, and George W. Gokel, Distinguished Professor and Associate Director of the CME, recently have been recognized as authoring a most-frequently read or cited article in top academic journals.

Liu's "Scanning Transmission Electron Microscopy and its Application to the Study of Nanoparticles and Nanoparticle Systems," (*Journal of Electron Microscopy*, Jun 01, 2006; 55: 183-189) was the second most frequently read article in the *Journal of Electron Microscopy* during October 2006.

Gokel was honored with the Bioorganic & Medicinal Chemistry Most Cited Paper 2003—2006 Award for "Functional, Synthetic Organic Chemical Models of Cellular Ion Channels." (*Bioorganic & Medicinal Chemistry*, Mar 15, 2004, Vol. 12, Issue 6, pages 1291-1304). ●

#### **Undergraduate Research Finds New Support at UM-St. Louis**

Undergraduate research is increasingly seen as an important part of learning that not only can help prepare students for a more successful graduate research experience but also better prepare them for careers in almost any field. In January 2006, as part of an effort to provide more substantial undergraduate research support, UM-St. Louis hired Dr. [Kathryn Walterscheid](#) as Director of Undergraduate Research in the College of Arts and Sciences.

Since then, a new web page for undergraduate research at the University has been developed and launched. The site, which went online last month, provides information about undergraduate research programs, such as the Undergraduate Research Symposium, where students present their research in poster and oral formats as they would at a professional conference, and the Undergraduate Research Day at the Capitol, in which students display their research posters to legislators and visitors in the Capitol rotunda in Jefferson City.

For more information on undergraduate research at the University of Missouri-St. Louis, visit <http://www.umsl.edu/divisions/artscience/uresearch/index.html>. ●

**NIH R01 Grant Applications Go Electronic: Training to be Held December 5**  
November 28, 2006

Beginning with the Feb. 5, 2007, standard receipt date, the National Institutes of Health (NIH) will require all Research Project Grant R01 applications be submitted electronically -- no paper applications will be accepted.

This change marks a major milestone in the NIH's transition to receive all grant applications electronically, which began with the electronic submission of Small Business Innovation Research (SBIR) applications in December 2005.

"NIH has been committed to using information technology to improve the grants administration process for many years," said Dr. Norka Ruiz Bravo, NIH Deputy Director for Extramural Research. "We look forward to applicants benefiting from a single federal interface for finding opportunities and submitting applications online; reviewers having access to crisp, clear, color applications; and staff processing of applications with a consistency that can be achieved only through electronic processes."

The transition to electronic submission requires that two systems with their own registration and validation processes work together: [Grants.gov](http://Grants.gov), the federal government's single on-line portal to find and apply for federal funding, and eRA Commons, the system that allows applicants to interact electronically with NIH. The transition also involves the simultaneous shift from the long-used PHS 398 application form to a new trans-agency standard form, and fundamentally changes the process by which investigators and grant applicant institutions manage their grant submissions.

NIH expects that the R01 transition will set new application submission records both at [Grants.gov](http://Grants.gov) and within the NIH eRA Commons. NIH recently made performance and capacity improvements in its systems and helpdesks and is positioned to handle the expected increased load. In addition, NIH has developed contingency plans to ensure that any issues that do arise can be addressed quickly and that applicants are not penalized for system problems.

To assist applicants and organizations through this transition, the NIH will host a training event on Tuesday, December 5. The training is available in-person and via Web cast and will be archived for later viewing [http://era.nih.gov/training/esub\\_120506/](http://era.nih.gov/training/esub_120506/).

Information on the submission process and additional training and promotional resources are available on the NIH Electronic Submission of Grant Application Web site: <http://era.nih.gov/ElectronicReceipt/>.

To ensure a smooth transition, NIH is strongly encouraging all potential principal investigators to contact their central grants offices immediately to learn how their institutions are handling these application form and process changes.

Electronic Submission to the NIH for UMSL Faculty/Staff: The University of Missouri-St. Louis is registered to submit proposals electronically to the NIH, and no additional registration is required. However, to submit NIH proposals electronically, individuals must have an eRA Commons account. For information on such accounts and submitting proposals through [Grants.gov](http://Grants.gov), contact Brenda Stutte in the Office of Research Administration (x. 5897, [stutte@umsl.edu](mailto:stutte@umsl.edu)).

The National Institutes of Health (NIH), the nation's medical research agency, includes 27 Institutes and Centers and is a component of the U.S. Department of Health and Human Services. It is the primary federal agency for conducting and supporting basic, clinical and translational medical research, and it investigates the causes, treatments, and cures for both common and rare diseases. For more information about NIH and its programs, visit [www.nih.gov](http://www.nih.gov). ●

### **Top Scientific Journal Ponders Tighter Publishing Guidelines**

Online at <http://www.forbes.com/forbeslife/health/feeds/hscout/2006/11/28/hscout536321.html>

Excerpted from Forbes.com

November 28, 2006

(HealthDay News) -- An independent committee has recommended that one of the world's leading scientific journals tighten its publishing guidelines a year after one of the biggest hoaxes in modern science appeared in the pages of the journal.

At the same time, the committee confirmed that the editors at *Science* had adequately followed publishing procedures that were in place when a group of South Korean scientists, led by Dr. Hwang Woo-Suk, submitted two papers detailing the creation of stem cell lines from cloned embryos. The supposed cloning feat has since been declared a fraud, and the two papers have been retracted.

"We found that the procedures and standards of *Science* are typical of those at top-tier scientific journals, and these were followed with exceptional care. Editors went out of their way to ensure that

the work reported was correct, and this paper probably received as much editorial care and attention as any I'm aware of," John I. Brauman, committee member, chairman of the journal's senior editorial board and J.G. Jackson- C.J. Wood professor of chemistry at Stanford University, said at a Tuesday news conference.

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The committee's report made several recommendations, including:

- Instituting a formal risk-assessment system to identify "high-risk" papers which would then be singled out for further scrutiny. (The journal received 12,000 submissions in 2005, accepting only about 8 percent of those). Red flags might include work that is unexpected or counterintuitive, work that bears on a "reasonably hot" set of policy choices such as stem cells or climate change, and work that has already attracted a lot of outside attention, Kennedy said.
- Developing a method to clarify the contributions and responsibilities of authors and co-authors. "We would like to know exactly what role each author had," Kennedy said. "We need to be a little bit reasonable about how much we do with respect to disclosing as part of the paper, but we want to know more than we now know about the specific roles of authors in a multiple-author paper." The *Journal of the American Medical Association* tightened its financial disclosure guidelines for authors last summer.
- Publishing more primary data to ensure that all relevant information is available to readers and reviewers.
- Collaborating with *Nature* and other high-profile journals to establish common standards for journal submissions.

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**More information:** Visit [Science](http://www.sciencemag.org/cgi/content/abstract/1124926v1) (<http://www.sciencemag.org/cgi/content/abstract/1124926v1>) to view the retraction. ●

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