

Spirit of INNOVATION

Research, Creativity and Commercialization News

OFFICE OF RESEARCH ADMINISTRATION NEWSLETTER May 2006 (Volume V, No. 11)

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).

RECENT AWARDS

EXTERNALLY FUNDED AWARDS, MARCH 2006

G. A. Franzel, Continuing Education & Outreach, awarded \$3,000 for "Las Vegas 2006 Optometric Conference" by the Vistakon.

Virginia K. Gasen Thenhaus and **Terry Jones**, Public Policy Research Center, awarded \$199,893 for "HUD Community Outreach Partnership Center" by the Department of Housing and Urban Development. (*2-year grant ending in 2007, total of \$199,893)

Ann Steffen, Gerontology and Psychology, awarded \$59,002 for "Distance-Based Interventions for Family Caregivers: Three Year Longitudinal Assessment" by the Alzheimer's Association. (*3-year grant ending in 2006, total of \$231,710)

Xuemin Wang, Biology, awarded \$198,415 for "Regulation and Function of Membrane Lipid Hydrolysis in Lipid-Based Signaling of Plants" by the National Science Foundation. (*4-year grant ending in 2008, total of \$777,892.99)

Total: \$460,310

**Multi-year grant information based upon agency recommended funding amounts.*

QUARTERLY AWARDS REPORT, JAN-MAR 2006

CSD	Department	# of Awards	\$ Awarded
	Center for International Studies	1.00	5,000
	Center for International Studies	1.00	5,000
	Chancellor-Special Units	1.00	90,000
	Special Units Chancellor	1.00	90,000
	College of Arts & Sciences	11.20	1,164,382
	Biology	4.00	802,382
	Chemistry	1.70	140,631
	Criminology & Criminal Justice	3.00	66,607
	Mathematics & Computer Science	1.00	84,896
	Psychology	1.50	69,866
	College of Education	2.30	112,075
	Counseling-College of Education	1.00	6,150
	Educational Psychology	1.00	102,226
	Teaching & Learning	0.30	3,699
	College of Optometry	2.00	113,739
	College of Optometry	2.00	113,739
	Extension Division	2.00	58,383
	Continuing Education & Outreach	2.00	58,383
	Graduate School	0.50	29,501
	Gerontology	0.50	29,501
	VC Academic Affairs	1.00	57,240
	Multi-Cultural Relations	1.00	57,240
	VC Research	3.00	365,753
	Public Policy Research Center	3.00	365,753
TOTAL		24.00	1,996,073

Purpose	\$ Awarded
Instruction	57,240
Other Sponsored Activity	587,347
Research	1,351,486
TOTAL	1,996,073
Sponsor Type	\$ Awarded
Association	306,669
Corporation	162,741
Federal	1,496,533
MO Local Government	30,130
TOTAL	1,996,073

FUNDING OPPORTUNITIES

NEW ANNOUNCEMENTS: Government Agencies

Agency for International Development (USAID)

- Civil Society Advocacy Initiative in Serbia Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9020>
- National Integrated Health Program (NIHP) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9166>
- Post-earthquake Education Recovery Program Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9077>
- Strengthening Independent Media Program in Timor-Leste Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9180>
- Support to Civil Society Organizations/Faith Based Organizations Network to Provide HIV/AIDS Prevention, Care and Treatment Services <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9021>
- Sustaining Partnerships to enhance Rural Enterprise and Agribusiness Development (SPREAD) project in Rwanda Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8869>

Department of Agriculture (USDA)

- Farmers Market Promotion Program Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8970>
- Research and Development Risk Management Partnerships <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9186>

Department of Commerce (DOC)

- Science On a Sphere Installation Cooperative Agreements <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8870>

Department of Defense (DOD)

- Electronics Technology Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9052>
- Industry Day for Large Tactical Sensor Networks Program Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9069>

Department of Education (ED)

- 84.116J EU-U.S. Atlantis Program <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8974>
- COLLEGE ASSISTANCE MIGRANT PROGRAM <http://www.ed.gov/programs/camp/>
- HIGH SCHOOL EQUIVALENCY PROGRAM (HEP) <http://www.ed.gov/programs/hep/>
- State assistive technology programs Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9073>
- Technology and media services for individuals with disabilities; access to emerging technologies Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9010>

Department of Energy (DOE)

- Area of Interest 1: Breakthrough Approaches to Carbon Dioxide and Separation <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9117>
- Area of Interest 2: Continued Development of Direct CO2 Capture and Separation Technologies Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9118>
- Area of Interest 3: Field-testing of CO2 Capture and Separation Technologies Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9119>
- Area of Interest B – Hydrogen Utilization <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8255>
- Development of Robust, Highly Efficient Fermentative Organisms or Chemical Catalysts for Conversion of Lignocellulosic Biomass to Biofuels <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9085>
- Feasibility Study of Hydrogen Production at Existing Nuclear Power Plants Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9078>
- Idle Reduction Training and Awareness for School Districts Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9114>
- Incremental Cost of Alternative Fuel Vehicles (AFV) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9113>
- Refueling Infrastructure for E85 and Other Alternative Fuels Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9115>

- Technical Topic Area 1A - Development of Robust Sensor Networks for Intelligent Control of Advanced Coal Based Power Generation Systems Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9190>
- Technical Topic Area 1B - Novel Sensing Techniques For Rapid Detection of Coal Derived Synthesis Gas Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9191>
- Technical Topic Area 1C -New Developments for Condition Monitoring and Prognostic Capabilities for Fossil Energy Power Systems Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9192>
- Technical Topic Area 1D - Techniques to Minimize and Manage Flame Flashback and Combustion Instability Events in Turbines with High Hydrogen Fuels- Flame Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9193>
- Technical Topic Area 2A1 – Polydispersed Systems Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9194>
- Technical Topic Area 2A2 - Frictional Flow Regime Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9195>
- Technical Topic Area 2B - Dynamic Simulation and Advanced Process Control of Integrated Gasification Combined Cycle Power Plants Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9196>
- Technical Topic Area 3A - Computer-Aided Design of Advanced Materials Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9199>
- Technical Topic Area 3B - Experimental Studies for the Development of High Temperature Structural Materials Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9200>
- Technical Topic Area 3C - Experimental Studies for the Development of Functional Materials for Hydrogen-Based Energy Systems Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9202>
- Technical Topic Area 3D - Cathode Performance and Stability Improvements in Intermediate Temperature Solid Oxide Fuel Cells Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9204>

Department of Health and Human Services (HHS)

Administration for Children and Families

- Mentoring Children of Prisoners <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9017>
- Technical Assistance to ORR Funded Refugee Programs and Services to Asylees
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=8946>
- University Centers for Excellence in Developmental Disabilities Education, Research, and Service (UCEDDs)
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9001>

Agency for Healthcare Research and Quality

- Improving Patient Safety through Simulation Research Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9009>

Centers for Disease Control and Prevention

- Initiatives Related to the Prevention and Control of Unintentional Injury and Violence through the World Health Organization (WHO) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8893>

Health Resources & Services Administration

- One-Year Rural Health Research Grant Program Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9099>

National Institutes of Health

- Basic and Preclinical Research on Complementary and Alternative Medicine (CAM) [R21] Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=8867>
- Biology of Manual Therapies (R21) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=8851>
- Biomarker Development for Diabetic Complications (R21) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9105>
- Building Translational Research in Integrative Behavioral Science: (R21) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9024>; (R01) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9025>; (R24) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9026>
- Cancer Prevention Research Small Grant Program (R03) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=8858>
- Cell Lineage and Developmental Studies in Hearing and Balance (R21) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9183>
- CHARACTERIZATION, BEHAVIOR AND PLASTICITY OF PLURIPOTENT STEM CELLS Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9086>

- Clinical Trial Planning Grant Program (R34) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9172>
- Cross-Disciplinary Translational Research At NIH: (R03) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=8883>; (R21) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=8882>
- Decision Making in Health: Behavior Maintenance (R21) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=8934>
- Developmental Infrastructure For Population Research (R21) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9106>
- Diabetes Research Centers (P30) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8927>
- Drug Abuse Prevention Intervention Research: (R03) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=8876>; (R21) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=8875>
- Economics of Prevention and Treatment Services for Drug and Alcohol Abuse: (R03) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=8880>; (R21) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=8881>
- Epidemiology Of Drug Abuse: (R03) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=8923>; (R21) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=8916>
- Exfoliated Cells, Bioactive Food Components, and Cancer: (R03) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9029>; (R21) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9030>
- Exploratory Grants for Behavioral Research in Cancer Control (R21) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=8996>
- EXPLORATORY GRANTS FOR BEHAVIORAL RESEARCH IN CANCER CONTROL
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=3044>
- Global Partnerships for Social Science AIDS Research (R24) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9043>
- Inhalant Abuse: Supporting Broad-Based Research Approaches: (R21) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=8899>; (R03) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=8902>
- Innovations in Biomedical Computational Science and Technology Initiative: (SBIR [R43/R44])
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7358>; (STTR [R41/R42])
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7360>
- Innovative Therapies and Clinical Studies for Screenable Disorders: (R21) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=8949>; (R03) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=8950>
- Institutional Patient-Oriented Career Development Programs in the Environmental Health Sciences (K12) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9068>
- Mechanisms of Adverse Drug Effects in Children (R21) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9007>
- Memory T Lymphocytes in Cancer Immunology: (R21) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9011>; (R01) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9012>
- Men's Heterosexual Behavior And HIV Infection: (R21) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9035>; (R03) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9037>
- Methodology And Measurement In The Behavioral And Social Sciences: (R03) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9054>; (R21) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9056>
- NEI Research Grant for Secondary Data Analysis (R21) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=8900>
- NIDDK Short-Term Education Program for Under-represented Persons (STEP-UP) (R25) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=8985>
- NIGMS Center for the Determination of Structures of HIV/Host Complexes (P50) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9051>
- Non-Antibiotic Selectable Markers for Biodefense (R21) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=8960>
- Nuclear Structure-Function Defects in the Pathogenesis of Muscular Dystrophy: (R21) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9070>; (R01) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9071>

- Pilot And Feasibility Clinical Research Grants In Kidney Or Urologic Diseases (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9120>
- Pilot Studies in Pancreatic Cancer (R03) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8861>
- Planning Grants For Translational Research For The Prevention And Control Of Diabetes And Obesity (R34) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9034>
- Prescription Drug Abuse: (R03) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8945>; (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8944>
- Probiotics for Pediatric Illnesses (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8892>
- Psychopharmacology Of Widely Available Psychoactive Natural Products (R03) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8889>
- Rehabilitation Research Career Development Programs (K12) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9079>
- Reproductive Genetics and Epigenetics: (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8993>; (R03) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8994>
- Research On Adherence To Interventions For Mental Disorders (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8921>
- Research on Malignancies in AIDS and Acquired Immune Suppression (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8935>
- SMALL CLINICAL GRANTS IN DIGESTIVE DISEASES, NUTRITION AND OBESITY <http://www.grants.gov/search/search.do?mode=VIEW&oppld=3217>
- Testing Tobacco Products Promoted to Reduce Harm (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9102>
- The Effect Of Racial And Ethnic Discrimination/Bias On Health Care Delivery (R03) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9004>
- The Science And Ecology Of Early Development (SEED) [R03] Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8988>
- Tools and Technology to Measure Menopausal Symptomatology (SBIR [R43]) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8912>
- Tools and Technology to Measure Patient Adherence in CAM Research (SBIR [R43/R44]) <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8894>
- Tools to Mitigate and Understand the Mental Health Effects of National Disasters: SBIR [R43/R44] Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8929>; STTR [R41/R42] Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8932>
- Women, Sex/Gender Differences and Drug Abuse: (R03) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8898>; (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8896>
- Women's Mental Health and Sex/Gender Differences Research: (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8925>; (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8926>

Department of Homeland Security (DHS)

- Maritime Vehicle Screening <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8868>

Department of Justice (USDOJ)

- NIJ FY 06 Research & 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=9174>
- OVC FY06 State Victim Assistance Academy Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9090>

Department of Labor (DOL)

- New Grantee Homeless Veterans' Reintegration Program (HVRP) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9160>
- Non-Urban Homeless Veterans' Reintegration Program (HVRP) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9161>
- Urban Homeless Veterans' Reintegration Program (HVRP) Grants <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9177>

Department of State (DOS)

- Africa Workforce Development Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8873>
- Arts Exchanges on International Issues Program Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8938>
- Call for Statements of Interest for Cuba, Haiti, Venezuela, Ecuador, Bolivia and Guatemala Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8855>
- English as a Foreign Language Institutes for Egypt and Morocco; Jordan and Syria Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9072>

Department of the Interior (DOI)

- Acquisitions & Assistance Group - LC-3100 Water Conservation Program Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9100>
- African Elephant Conservation Program <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9087>
- Asian Elephant Conservation Program Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9088>
- Division of Bird Habitat Conservation, North American Wetlands Conservation Act US STANDARD Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8986>
- Division of Bird Habitat Conservation, North American Wetlands Conservation Act Canada <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9023>
- Division of Bird Habitat Conservation, North American Wetlands Conservation Act-Mexico Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9076>
- Great Apes Conservation Program Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9089>
- Migratory Birds, Migratory Bird Joint Ventures - Gulf Coast JV Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8857>
- Migratory Birds, Migratory Bird Joint Ventures - Playa Lakes JV Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9179>
- Migratory Birds, Migratory Bird Joint Ventures - Sonoran JV Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8856>
- Rhinoceros and Tiger Conservation Program Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9095>
- Wildlife Without Borders - Latin American and the Caribbean Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9094>
- Wildlife Without Borders – Mexico Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9093>

Department of Transportation (DOT)

- National Fuel Cell Bus Technology Development Program Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9008>

Environmental Protection Agency (EPA)

- CONSEQUENCES OF GLOBAL CHANGE FOR AIR QUALITY http://es.epa.gov/ncer/rfa/2006/2006_star_gcaq.html
- Indoor Environments: Reducing Public Exposure to Indoor Pollutants Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9027>
- Midwest Clean Diesel Initiative Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9050>
- Regional Environmental Monitoring and Assessment Program: Solicitation for Projects in EPA Regions 3, 4, and 6 and 7 Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8885>

National Endowment for the Humanities (NEH)

- PRESERVATION AND ACCESS EDUCATION AND TRAINING GRANTS <http://www.neh.gov/grants/guidelines/pet.html>
- PRESERVATION ASSISTANCE GRANTS <http://www.neh.gov/grants/guidelines/pag.html>

National Institute of Standards and Technology (NIST)

- NANOSCALE SCIENCE AND TECHNOLOGY RESEARCH PROGRAM <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8674>

National Science Foundation (NSF)

- BIOLOGICAL DATABASES AND INFORMATICS http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5444
- Computational Science Training for Undergraduates in the Mathematical Sciences (CSUMS) <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8746>

- COMPUTING COMMUNITY CONSORTIUM (CCC): DEFINING THE LARGE-SCALE INFRASTRUCTURE NEEDS OF THE COMPUTING RESEARCH COMMUNITY http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13658
- Coupling, Energetics, and Dynamics of Atmospheric Regions (CEDAR) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8859>
- EarthScope Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8997>
- Geobiology and Low-Temperature Geochemistry Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9047>
- Geomorphology and Land Use Dynamics Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9048>
- GRADUATE TEACHING FELLOWS IN K-12 EDUCATION (GK-12) http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5472
- NSF Academies for Young Scientists (NSFAYS) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8853>
- Sedimentary Geology and Paleobiology Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9049>
- SMALL GRANTS FOR EXPLORATORY RESEARCH http://www.nsf.gov/pubs/gpg/nsf04_23/2.jsp#IID1
- TECHNOLOGICAL CHALLENGES IN HYBRID COMMUNICATIONS SYSTEMS http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13678

NEW ANNOUNCEMENTS: Foundations & Other

AMERICAN HEART ASSOCIATION

NATIONAL ESTABLISHED INVESTIGATOR AWARD

(<http://www.americanheart.org/presenter.jhtml?identifier=3019795%20>)

DUE: JUL 11

WRITE: Division of Research Administration
American Heart Association National Center
7272 Greenville Avenue
Dallas, TX 75231

E-MAIL: ncrp@heart.org

PHONE: 214/706-1158

FAX: 214/706-1341

The objective is to support mid-term investigators with unusual promise and an established record of accomplishments; candidates who have a demonstrated commitment to cardiovascular or cerebrovascular science as indicated by prior publication history and scientific accomplishments. A candidate's career is expected to be in a rapid growth phase. The American Heart Association funds research broadly related to cardiovascular function and disease, stroke or to related clinical, basic science, bioengineering or biotechnology, and public health problems. National Program investigators are also encouraged to submit applications in these two areas of research priorities: (1) To improve population and/or behavioral methods or develop novel methods to advance primary and/or secondary prevention goals of the American Heart Association; (2) To improve the effectiveness of therapy, quality of care and systems of healthcare delivery goals of the American Heart Association.

ELIGIBILITY: M.D., Ph.D., D.O. or equivalent doctoral degree at application. Applicants must be faculty/staff members. At the time of award activation, the investigator is usually four (4) years but no more than nine (9) years since first faculty/staff appointment at the assistant professor level or equivalent (including, but not limited to, research assistant professor, research scientist, staff scientist, etc.). Applicant must have current national-level funding as principal investigator on an RO1 grant or its equivalent (e.g., VA Merit Award, NSF Grant, or PI on Program Project Grant from NIH).

FUNDING: The maximum annual grant is \$100,000 (including up to 10 percent indirect costs). Award duration is five years. These awards are non-renewable.

AMERICAN HONDA

HONDA INITIATION GRANT (http://corporate.honda.com/innovation/initiation_grant/)

DUE: MAY 1, pre-proposals

E-MAIL: hondainitiationgrant@honda.com

The Honda Initiation Grant was inaugurated in 1997 to reach out to the vast talent that exists in academic-research communities. Every year, winners are chosen from a large pool of applicants and given one-time funding to help make their conceptual ideas a reality. The award program provides researchers with considerable freedom in their respective areas of study, as well as opportunities to interact with Honda researchers, and the potential for further collaboration.

FUNDING: For the 2006 program, there will be at least 5 Grants at \$50,000 each awarded to professors for outstanding proposals on a variety of research topics.

EARTHWATCH INSTITUTE

RESEARCH PROGRAM AT EARTHWATCH (<http://www.earthwatch.org/research/proposals.html>)

DUE: anytime, preliminary proposals

WRITE: Earthwatch International

3 Clock Tower Place, Suite 100

Box 75

Maynard, MA 01754-0075

E-MAIL: research@earthwatch.org

PHONE: 978/461-0081

FAX: 978/461-2332

Earthwatch Institute is an international non-profit organization that supports scholarly field research worldwide in the biological, physical, social, and cultural sciences. The Research Program at Earthwatch is responsible for soliciting, reviewing, and recommending research proposals for support. Earthwatch provides scientists with the funding and labor they need in the form of motivated, dedicated, paying volunteers. This unique funding model enables us to support research in a variety of disciplines, on the basis of a researcher's need for volunteers and Earthwatch's ability to find them. The Institute supports research covering a variety of topics and welcome a diverse scientific community. In particular, Earthwatch is interested in supporting typically under-represented groups, such as early career scientists, women in science, and developing country nationals.

ELIGIBILITY: Earthwatch supports doctoral and post-doctoral researchers, or researchers with equivalent scholarship or commensurate life experience. The Research Program welcomes proposals from advanced scholars and professionals of any nationality. In general Earthwatch considers work in any geographic region.

FUNDING: Earthwatch awards research grants on a per capita basis; the total grant amount is determined by multiplying the per capita grant by the number of Earthwatch volunteers participating on a project. Per capita grants average \$850, and the average project grant range is between \$17,000 and \$51,000 for one full season. A project usually involves 30 to 60 total volunteers per field season, with 5 to 12 volunteers each on 4 to 5 teams. Each team typically spends 8 to 15 days in the field. Earthwatch grants cover the cost of maintaining volunteers and principal research staff in the field. The grants may also assist with other project expenses, but cannot be used for PI salaries, capital equipment, or overhead costs.

COUNCIL FOR INTERNATIONAL EXCHANGE OF SCHOLARS

FULBRIGHT NEW CENTURY SCHOLARS PROGRAM (<http://www.iie.org/cies/NCS/>)

DUE: JUL 17

WRITE: Council for International Exchange of Scholars

3007 Tilden Street, NW

Suite 5L

Washington, DC 20008-3009

E-MAIL: NCS@cies.iie.org

PHONE: 202/686-6253

Thirty top academics and professionals collaborate for a year on a topic of global significance. For the current year, the research theme is "Higher Education in the 21st Century: Access and Equity." In March 2001, the Bureau of Educational and Cultural Affairs of the U.S. Department of State and the Council for International Exchange of Scholars, announced the launching of the Fulbright new Century Scholars Program (NCS), one of three new initiatives designed to build on the strengths of the Fulbright Scholar Program by extending its mission and outreach. The New Century Scholars Program will play a vital role in forging new links among scholars and professionals from around the world who will work together to seek solutions to issues and concerns that affect humankind.

ELIGIBILITY: Applications are accepted from leading scholars and professionals in any discipline relevant to one of the three key themes related to the examination of access and equity in higher education.

FUNDING: Individual travel/research awards are made in the amount of \$37,000. Awardees also receive accommodations and meals for program seminars.

EURASIA FOUNDATION

GRANTS TO ORGANIZATIONS (<http://www.eurasia.org/>)

DUE: anytime

WRITE: The Eurasia Foundation

1350 Connecticut Avenue, NW
Suite 1000
Washington, DC 20036
E-MAIL: eurasia@eurasia.org
PHONE: 202/234-7370
FAX: 202/234-7377

The Eurasia Foundation awards grants and operates targeted programs through innovation, collaboration imaginative co-funding ideas and unique evaluation mechanisms. The Foundation's grant-making program supports projects with the potential to advance significantly one or more of the following goals in three broad program areas: (1) Private Enterprise Development - accelerated development and growth of private enterprise; (2) Public Administration and Policy - more effective, responsive, and accountable local government; and (3) Civil Society - increased citizen participation in the political and economic decision-making process.

ELIGIBILITY: The Foundation's charter allows it to support U.S. 501(c)3 nonprofit organizations or comparable institutions as well as universities and government entities.

FUNDING: There is no minimum or maximum grant amount. The average grant is \$20,000.

GRAHAM FOUNDATION

GRANTS IN ARCHITECTURE AND RELATED ARTS (<http://www.grahamfoundation.org/grants/gen-desc.asp>)

DUE: JUL 15 JAN 15

WRITE: Graham Foundation for Advanced Studies in the Fine Arts

4 West Burton Place

Chicago, IL 60610-1416

E-MAIL: info@grahamfoundation.org

PHONE: 312/787-4071

Graham Foundation Grants are offered to individuals and institutions in support of activities that focus on architecture and the built environment and that lead to the public dissemination of ideas through publication, exhibition, or educational programming. In the past, the Foundation has supported a variety of endeavors, including research by scholars; grants to architectural schools for special projects, enrichment programs, or new curricula; grants to museums, schools, and libraries for exhibitions, catalogues, and, in rare cases, for acquisitions; and support for publications, usually to help make an important publication better or more affordable.

FUNDING: The average Graham Foundation grant is less than \$10,000. Grants to individuals normally do not exceed \$15,000. Applicants whose projects require more extensive support should indicate how the balance of funding is to be obtained. In most cases, such additional support must be firmly in-hand before a Graham Foundation grant is released. Grants to institutions may occasionally reach \$50,000, although typically the level of support will be more modest. When large sums are necessary, the Foundation is willing to consider a seed grant to explore possibilities, or a challenge grant when feasibility already seems clear and help is needed to corroborate worthiness of purpose and stimulate broad support. Occasionally, multi-year grants are offered, though they normally will not extend beyond three consecutive years.

WILLIAM T. GRANT FOUNDATION

WILLIAM T. GRANT SCHOLARS PROGRAM (<http://tinyurl.com/c4rlo>)

DUE: JUN 29, nominations

WRITE: William T. Grant Scholars Program

William T. Grant Foundation

570 Lexington Avenue, 18th Floor

New York, NY 10022-6837

E-MAIL: info@wtgrantfdn.org

PHONE: 212/752-0071

FAX: 212/752-1398

The William T. Grant Scholars Program supports, over a five-year period, promising early career researchers from diverse disciplines. The award is intended to facilitate the professional development of early career scholars who have some demonstrated success in conducting high quality research and are seeking to further develop their skills and research program. Studies from these Scholars deepen and broaden the knowledge base on how to make a difference in the lives of young people. The program, now in its 26th year, has funded 119 Scholars since its inception.

ELIGIBILITY: Investigators at all non-profit institutions, both in the United States and abroad, are eligible. Any discipline is eligible. The award is designed for early career researchers. The award may not be used as a post-doctoral fellowship. Applicants must be within seven years of receipt of their

terminal degree at the time of application. In many scholarly disciplines, this translates to a maximum of seven years following the award of the doctoral degree and includes time spent as a post-doctoral fellow. In medicine, the seven-year maximum is dated from the time of completion of the residency.

FUNDING: Award recipients are designated William T. Grant Scholars. Every year, four to six William T. Grant Scholars are selected, and each receives \$300,000 distributed over five years. Awards are made to the applicant's institution, providing support of \$60,000 per year. This sum can include an indirect cost allowance of 7.5% of total direct costs. The William T. Grant Scholars Award must not replace the institution's current support of the applicant's research.

JAPAN FOUNDATION

CENTER FOR GLOBAL PARTNERSHIP

(<http://www.cgp.org/index.php?option=%20article&task=default&articleid=109%20>)

DUE: JUL 1 DEC 1

WRITE: The Japan Foundation Center for Global Partnership

Carnegie Hall Tower

152 W. 57th Street, 17 F

New York, NY 10019

E-MAIL: info@cgp.org

PHONE: 212/489-1255

FAX: 212/489-1344

The Japan Foundation Center for Global Partnership (CGP) was established in 1991 to pursue the following objectives: (a) To promote collaboration between Japan and the United States with the goal of fulfilling shared global responsibilities and contributing to improvements in the world's welfare; (b) To enhance dialogue and interchange between Japanese and US citizens on a wide range of issues, thereby improving bilateral relations. In order to realize these primary objectives, CGP has established the following three programs for its grant-making activities: Intellectual Exchange Program, Grassroots Exchange Program, and Education Program.

ELIGIBILITY: Proposals are accepted from nonprofit organizations (NPOs) in either the United States or Japan. Individual applicants may apply only for CGP's fellowship programs. CGP supports projects that are run collaboratively between the United States and Japan. (Education projects are exempt from this requirement in certain cases.) A project may involve individuals and organizations from other countries as well, as long as the project contains a significant element of US-Japan collaboration. Only one of the collaborating parties should serve as the applicant.

W. E. UPJOHN INSTITUTE

DISSERTATION AWARD (<http://www.upjohninst.org/dissert.html>)

DUE: JUL 7

WRITE: Institute Grant Committee

W.E. Upjohn Institute for Employment Research

300 South Westnedge Avenue

Kalamazoo, MI 49007

E-MAIL: webmaster@upjohninstitute.org

PHONE: 269/343-5541

The W.E. Upjohn Institute for Employment Research invites submissions for its annual prize for the best Ph.D. dissertation on employment-related issues. The Institute supports and conducts policy-relevant research on employment, unemployment, and social insurance programs. The dissertation award further pursues this mission. The dissertation may come from any academic discipline, but it must have a substantial policy thrust. Dissertations will be evaluated by a panel of economists using the following criteria: Policy relevance; Technical quality of the research; Presentation.

ELIGIBILITY: Any person whose dissertation has been accepted during the 24-month period of July 1, 2004 to June 30, 2006 is eligible.

FUNDING: A first prize of \$2,000 is being offered. Up to two honorable mention awards of \$750 may also be given.

NEW ANNOUNCEMENTS for Postdocs, Graduates and Undergrads

Also check Government Agencies and Foundations & Other for additional opportunities.

Postdoctoral and Graduate Student Funding Opportunities

American Diabetes Association

- Career Development Awards (http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=1747)
Deadline: JUL 15

- Distinguished Clinical Scientist Award
(http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=3408)
Deadline: JUL 15

- Medical Scholars Program Awards (http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=1600)
Deadline: JUL 15

- Mentor-Based Minority Postdoctoral Fellowship
(http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=3411)
Deadline: JUL 15

- Physician-Scientist Training Award (http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=1603)
Deadline: 15 July

Biomedical Engineering Society

- Graduate Students Awards (http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=1343)
Deadline: JUN 01

- Rita Schaffer Young Investigator Award
(http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=1342)
Deadline: JUN 01

Alfred P. Sloan Foundation

- Sloan Research Fellowships (http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=1124)
Deadline: SEP 15

American Chemical Society--Petroleum Research Fund

- ACS PRF Type H Grants (http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=3318)
Deadline: None

Baxter

- International Training Center Grants For Translational Research
(http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=1774)
Deadline: SEP 08

Wegener's Granulomatosis Association

- Call For Research Proposal Wegener's Granulomatosis Studies
(http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=3725)
Deadline: DEC 01

Funding Opportunities for Undergraduates

American Diabetes Association

Minority Undergraduate Internship Program
(http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=3728)
Deadline: JUL 15

Biomedical Engineering Society

Undergraduate Students Awards (http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=1975)
Deadline: JUN 01

US Department of Energy- Idaho National Engineering and Environmental Laboratory (INEEL)

Undergraduate Student Fellowship (http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=2438)

Deadline: None

GRANT SUBMISSION POLICY

PeopleSoft Signature Routing Sheet (PSRS)

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

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

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

Questions? Contact Ginny Schodroski at 516-5284 or ginny@umsl.edu.

NEWS

TOP STORIES

RESEARCH & COMMERCIALIZATION NEWS

- UMSL Scientist Identifies Key Element that Effects Drought Tolerance in Plants - Discovery Published in *Science* Magazine
- University of Missouri Technology Transfer Showcase Honors Achievements
- BIO 2006 in Chicago Surpasses Records, Showcases the Midwest
- Local Life Sciences Investment Fund Names UMSL Alumnus CEO
- Merger of High-Speed Networks on Hold as 2 Consortia Break Off Talks
- Sense of Injustice Can Lead Scientists to Act Unethically, Study Finds
- USPTO Releases List of Top 10 Universities Receiving Most Patents in 2005

UMSL Scientist Identifies Key Element that Effects Drought Tolerance in Plants

Discovery Published in *Science* Magazine

Dr. Xuemin "Sam" Wang



St. Louis, April 20, 2006 – A discovery published in the April 14 edition of *Science* magazine sheds new light on how plants can be genetically enhanced to use less water. Dr. Xuemin "Sam" Wang, an E. Desmond Lee and Family Endowed Professor in the Department of Biology at UM-St. Louis and a Principal Investigator at the [Donald Danforth Plant Science Center](#), identified a protein responsible for regulating the opening and closing of plant stomata – the pores on leaves through which carbon dioxide is taken in and water is released.

"By studying the model plant *Arabidopsis*, members of my lab identified a protein in the pathway that delivers a plant hormone that is responsible for opening and closing the stomata on plant leaves," Dr. Wang explained. "We discovered that a protein, phospholipase D α 1 (PLD α 1), mediates the effect of the hormone abscisic acid (ABA). During drought, ABA levels in plants increase to close open stomata and inhibit the opening of closed stomata. Closure of stomata is crucial to reducing water loss and maintaining water within the plant during dry periods, thus increasing the likelihood that the plant will survive."

Stomata are the tiny openings or pores found primarily on the undersurface of plant leaves that are used for the exchange of gases. Carbon dioxide and oxygen enters the plant through these openings where they are used in photosynthesis and respiration. Oxygen exits through these same openings. Water vapor is released into the atmosphere through stomata in a process called transpiration. It is the release of water that contributes to withering of leaves during drought conditions.

"These findings are important in two ways; they provide detailed insight into how plants regulate and retain water, and offer clues that may eventually lead to developing drought-tolerant crops. The fact that this research was conducted in St. Louis demonstrates the power of collaboration between UM-St.

Louis and the Danforth Center," Dr. Roger Beachy, President of the Danforth Center, a not-for profit research institute based in St. Louis, said.

Building on this discovery, scientists may one day be able to produce plants that can regulate hydration during periods of drought. This could also lead to crops that will require less water thus conserving fresh water and reducing irrigation costs. ●

Read Wang's article in *Science*:

(<http://www.sciencemag.org/cgi/content/full/312/5771/264?maxtoshow=&HITS=10&hits=10&RESULTFORMAT=&fulltext=Wang&searchid=1&FIRSTINDEX=0&issue=5771&resourcetype=HWCIT>)

University of Missouri Technology Transfer Showcase Honors Achievements

At the sixth annual Technology Transfer Showcase, held in Columbia, Mo., April 20, 2006, the University of Missouri recognized faculty members and students who submitted invention disclosures, had patent applications filed by the University in their name, or had their inventions licensed during 2005.

Recognized from the University of Missouri-St. Louis were:

- Eric Aplyn, Technology & Learning Center (invention disclosure)
- Carl J. Bassi, Optometry (invention disclosure, inventor on patent application)
- Michael K. Butler, Technology & Learning Center (invention disclosure)
- Wayne Garver, Physics (invention disclosure, inventor on patent application)
- Carl Hoagland, Teaching & Learning (invention disclosure)
- Michael G. Howe, Optometry (invention disclosures, inventor on patent application)
- David W. Larsen, Chemistry (invention disclosures, inventor on patent application, inventor with income generating license)
- Jerry Siegel, Information Technology Services (invention disclosure)*
- Richard Stanton, Technology & Learning Center (invention disclosure)
- Willem Davis Van Bakergem, History (invention disclosure)
- Jason Wagstaff, Technology & Learning Center (invention disclosure)
- Zhi Xu, Chemistry (invention disclosures, inventor on patent application, inventor with income generating license)
- Mark Kahrhoff, Optometry (student entrepreneur)

The University also honored Dr. Jeffrey O. Phillips, Pharm.D., Department of Surgery, UMC, as the 2006 Faculty Entrepreneur of the Year, and Paul Pattison, senior in mechanical aerospace engineering at UMC and founder of Picture Cloud, LLC, as 2006 Student Entrepreneur of the Year.

Seven other student entrepreneurs were recognized, including Mark Kahrhoff, a fourth year optometry student at UM-St. Louis. Kahrhoff's research has resulted in the development of a process to analyze the lens function of the eye using holography. The novel interferograms he has created have application in the design of contact lenses, refractive correction and interventions for presbyopia. ●

** Siegel is listed as a co-inventor on the final invention disclosure, submitted after deadline for official recognition at the Technology Transfer Showcase.*

BIO 2006 in Chicago Surpasses Records, Showcases the Midwest

14th Annual International Convention of the Biotechnology Industry Organization (BIO)

Photos courtesy of BIO



April 14, 2006— Former U.S. President Bill Clinton, Health and Human Services Secretary Michael O. Leavitt, an ethanol-fueled race car, and the world's largest indoor cornfield boosted attendance at BIO 2006 to a record 19,479 attendees from 62 countries.

LEFT: Speaking on April 11 at BIO 2006, Clinton discussed the importance of biotechnology in addressing food security and health issues in the developing world. Read Transcript: <http://www.bio.org/events/2006/media/comments/clinton.asp>

A record-breaking number of business leaders met at BIO 2006, negotiated and exchanged ideas this year in the business forum. More than 4,260 people representing 1,476 companies entered the doors of the business forum and participated in a record 11,018 meetings.



Ethanol-fueled race car displayed at BIO 2006.

The exhibit hall at BIO 2006 was the largest gathering of biotechnology exhibitors in history, encompassing more than 1,700 companies, organizations, and institutions representing every aspect of the biotechnology industry. Within 176,000 net square feet of exhibit space, the exhibit hall housed the cornfield, an Indy Racing League racecar and driver, and exhibitors from 43 states and 36 nations. Nearly one-third of the attendees were international participants, with more than 1,000 joining us from Canada, and hundreds more from the United Kingdom, Germany, France, Australia, Japan, and South Korea.

Twelve governors attended BIO 2006 including Host Governor Rod Blagojevich (Ill.), Matt Blunt (MO), Bob Riley (Ala.), Jeb Bush (Fla.), Mitch Daniels (Ind.),

Kathleen Sebelius (Kan.), Ernie Fletcher (Ky.), Mitt Romney (Mass.), Jennifer Granholm (Mich.), Bob Taft (Ohio), Anibal Acevedo-Vila (PR), and Jim Doyle (Wis.).

Matt Blunt led a delegation of more than 200 Missourians to the conference. UM-St. Louis was represented by Nasser Arshadi, Vice Provost for Research; Marcia Mellitz, President and CEO, Center for Emerging Technologies; Bill Simon, Chief Operating Officer, CET; and Tamara Kratochvil, Technology Transfer Coordinator.

Next year the BIO International Convention will be held in Boston May 6-9, 2007, with the theme of "Science Converges. Business Emerges."

BIO represents more than 1,100 biotechnology companies, academic institutions, state biotechnology centers and related organizations across the United States and 31 other nations. BIO members are involved in the research and development of healthcare, agricultural, industrial and environmental biotechnology products. ●

Read "Blunt Sells Missouri to Biotech" (St. Louis Post-Dispatch, April 12, 2006):

<http://www.stltoday.com/stltoday/business/stories.nsf/0/5C136A2C5106FEF08625714F000E08F5?OpenDocument>

Visit the Missouri Chapter of BIO -- MOBIO: <http://www.mobio.org/>

Local Life Sciences Investment Fund Names UMSL Alumnus CEO

Excerpted from the St. Louis Business Journal

April 6, 2006

BioGenerator appointed Ken Janoski as president and CEO, the firm announced (April 6). Janoski succeeds David Broughton, who served as BioGenerator's interim president and CEO.

The nonprofit investment fund said in a release that Janoski, a native St. Louisan, is moving back from Atlanta with more than 30 years' experience in life sciences, business development and consulting.

BioGenerator Chairman John McDonnell said in a statement, "(Janoski's) knowledge and leadership will be invaluable as we continue to bridge the gap between technology and commercialization."

Janoski said in a statement that in the 10 years he has been away from St. Louis, it "truly is poised to take a leadership position in life sciences nationally and globally. It's a great time to make big things happen here."

Janoski earned a bachelor's degree in business administration from the University of Missouri-St. Louis and an MBA from Washington University's Olin School of Business.

St. Louis-based BioGenerator is a nonprofit, seed-capital investment fund looks for cutting-edge technology in the life sciences field and provides resources, funding and professional support to these early-stage companies. ●

Read entire article: <http://stlouis.bizjournals.com/stlouis/stories/2006/04/03/daily39.html>

Merger of High-Speed Networks on Hold as 2 Consortia Break Off Talks

Excerpted from The Chronicle of Higher Education

April 28, 2006

By VINCENT KIERNAN

Merger talks between Internet2 and National LambdaRail, two consortia that run high-speed computer networks for scholars, have broken down over unspecified governance issues. The two groups had planned to join their networks to create a single high-speed network for scholarly use.

But the proposal may not yet be dead: One side is trying to lure the other back to the negotiating table.

The two organizations had been trying since July to iron out the details of a merger. But Internet2, which had already hired a telecommunications company to set up the new joint network, announced to its members last week that National LambdaRail has pulled out of the discussions.

Internet2 operates the Abilene high-speed network, which uses rented lines to serve hundreds of colleges of various sizes. National LambdaRail owns and operates a national fiber-optic network that primarily serves research-oriented institutions. Officials from both organizations have said that colleges are pressing for the merger because it would provide one-stop shopping for high-speed networking for academe; some institutions belong to both consortia. The officials have also said a merger could help spawn advanced networking technologies.

A resolution adopted this month by Internet2's Board of Trustees said that National LambdaRail's Board of Directors voted on April 6 to terminate the merger negotiations. The resolution referred to "outstanding governance issues" that remain to be settled. ●

Sense of Injustice Can Lead Scientists to Act Unethically, Study Finds

Excerpted from The Chronicle of Higher Education

April 21, 2006

By LILA GUTERMAN

Nearly a year after reporting that a large fraction of scientists admitted in a survey to having acted unethically, a group of researchers has revealed one reason: The misbehaving scientists felt wronged.

The study of the links between perceived injustice and scientific misbehavior appears this month in the inaugural issue of *The Journal of Empirical Research on Human Research Ethics*. ●

Read study: <http://caliber.ucpress.net/doi/pdf/10.1525/jer.2006.1.1.43>

USPTO Releases List of Top 10 Universities Receiving Most Patents in 2005

University of California Leads U.S. Academic Institutions for 12th Consecutive Year

The Department of Commerce's United States Patent and Trademark Office (USPTO) today announced the top 10 U.S. universities receiving the most patents during calendar year 2005. Listed below are the universities receiving the most patents for inventions in 2005, along with their 2004 ranking. The University of California tops the list for the 12th consecutive year.

"America's economic strength and global leadership depend on continued technological advances," said Under Secretary of Commerce for Intellectual Property Jon Dudas. "Groundbreaking discoveries and patented inventions generated by innovative minds at academic institutions have paid enormous dividends, improving the lives and livelihoods of generations of Americans." ●

PRELIMINARY LIST OF TOP PATENTING U.S. UNIVERSITIES (Calendar Year 2005)

This report presents a preliminary list of the U.S. universities receiving the most patents for invention (i.e., utility patents) during the 2005 calendar year. All campuses are included.

RANK IN 2005*	NUMBER OF PATENTS IN 2005*	U.S. UNIVERSITY*	RANK IN 2004 *	NUMBER OF PATENTS IN 2004*
1	390	University of California	(1)	(424)
2	136	Massachusetts Institute of Technology	(3)	(132)
3	101	California Institute of Technology	(2)	(135)
4**	90	Stanford University **	(6)	(75)
**	90	University of Texas **	(4)	(101)
5	77	University of Wisconsin	(8)	(64)
6**	71	John Hopkins University **	(5)	(94)
**	71	University of Michigan **	(7)	(67)
7	64	University of Florida	(13)	(41)
8	57	Columbia University	(10)	(52)
9**	43	Georgia Institute of Technology **	(19)	(37)
**	43	University of Pennsylvania **	(24)	(32)
10	41	Cornell University	(16)	(40)
<p>* The listed patent counts are preliminary counts that are subject to correction. ** Indicates a tie in the ranking among two or more U.S. universities.</p>				

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