

Spirit of INNOVATION

Research, Creativity and Commercialization News

OFFICE OF RESEARCH ADMINISTRATION NEWSLETTER February 2006 (Volume V, No. 8)

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).

ORA Mini-Poll, February 2006

The **internal awards program** (small grants, UMSL research awards, research board, etc.) is designed to provide seed money for external funding and assist faculty in their research programs. **How well does it work?**

Mini-Poll, February 2006

Take our newsletter poll online at http://www.umsl.edu/services/ora/about/ORAnews_0206_Home.html. This new feature will give you another way to voice your opinion about the newsletter, research and administrative issues, etc. If you have any questions or have trouble submitting your poll answer, or would like to suggest a poll topic, please contact Tamara Kratochvil at 314-516-6884 or kratochvilt@umsl.edu.

RECENT AWARDS

EXTERNALLY FUNDED AWARDS, DECEMBER 2005

James Bashkin, Chemistry & Biochemistry, awarded \$134,536 for "Antiviral Compounds for Human Papillomavirus 16" by NanoVir, LLC.

James Bashkin, Chemistry, awarded \$33,634 for "DNA Binding Compounds for Treatment of Human Papillomavirus 18 (HPV 18)" by NanoVir, LLC.

Melinda Bier, Educational Psychology, awarded \$298,966 for "Active and Health Scott County Central: A Rural School-Home-Community Partnership" by the Missouri Foundation For Health.

Melinda Bier, Educational Psychology, awarded \$997,810 for "Mobilizing Tomorrow's Leaders for a Smoke-Free Missouri" by the Missouri Foundation For Health.

Katharine Brown, Dean's Office, College Fine Arts & Communication, awarded \$1,000 for "Premiere Performances 2006 Concert Season" by the Arts and Education Council of Greater St. Louis.

Jerry Dunn, Children's Advocacy Services, awarded \$1,498 for "Sexual Assault Victim Services for Child Sexual Abuse Victims" by the Missouri Department of Health and Senior Services.

Jerry Dunn and Tracey Zimmerman, Children's Advocacy Services, awarded \$8,780 for "Sexual Assault Prevention Services" by the Missouri Department of Health and Senior Services.

Joel Glassman, Center for International Studies, awarded \$10,500 for "Consultation Agreement" by the Modern College of Business and Science.

Deborah Henry, Continuing Education & Outreach, awarded \$1,000 for "27th Annual St. Louis Storytelling Festival" by the Arts and Education Council of Greater St. Louis.

Callie Rennison, Criminology & Criminal Justice, awarded \$20,940 for "Response Effects and the National Crime Victimization Survey: What Do We Really Know?" by the American Statistical Association Committee on Law and Justice.

Thomas Schnell and James Duane, Educational Leadership & Policy, awarded \$100,000 for "Career Readiness Certification" by Ameren UE.

Thomas Schnell, Cody Ding and Lloyd Richardson, Educational Leadership & Policy and Mathematics & Computer Science, awarded \$624,556 for "Missouri Reading First Evaluation-Literacy Evaluation for No Child Left Behind" by the Missouri Department of Elementary and Secondary Education.

Stephen Sherblom, Marvin Berkowitz and Melinda Bier, Educational Psychology, awarded \$85,888 for "Caring School Community Implementation Study Grant" by the Cooperating School Districts.

Peter Stevens and David Kenfack, Biology, awarded \$17,702 for "Systematics of Carapa" by the Smithsonian Institution.

Jim Tom and Carl Hoagland, Faculty Instructional Support and Teaching & Learning, awarded \$12,500 for "Building Capacity for Electronic Portfolios at UMSL" by the SBC Excelsior.

Mark Tranel, Public Policy Research Centers, awarded \$25,995 for "St. Louis Public Schools Community Based Organization Study" by the St. Louis Community Foundation.

Mark Tranel, Public Policy Research Centers, awarded \$25,995 for "Develop a Community Economic Development Finance Guide for Missouri Development Finance Board" by The Stolar Partnership, LLP.

Mel Watkin, Public Policy Research Centers, awarded \$1,000 for "Arts and Education Council Photography Project" by the Arts and Education Council of Greater St. Louis.

Total: \$2,395,178

UM SYSTEM RESEARCH BOARD REPORT, FALL 2005

Applications by Category and Their Disposition

Category	No. Applications	Budgets Requested	No. Awarded	% Awarded	Dollars Awarded	\$ Award/ Request, %
A. Subcommittee or Discipline						
ENGR *	38	\$1,510,963	8	21%	\$205,210	14%
HUMFINEART	19	\$430,522	9	47%	\$80,649	19%
LIFE SCIENCES*	49	\$2,204,442	15	31%	\$480,855	22%
PHYSCIMATH	14	\$534,507	5	36%	\$100,129	19%
SOCBEHSCI	24	\$804,028	6	25%	\$150,618	19%
Total	144	\$5,484,462	43	30%	\$1,017,461	19%
B. Campus						
UMC	73	\$2,838,686	23	32%	\$548,845	19%
UMKC	22	\$832,379	7	32%	\$131,668	16%
UMR	30	\$1,094,469	5	17%	\$114,250	10%
UMSL**	19	\$718,928	8	42%	\$222,698	31%
Total	144	\$5,484,462	43	30%	\$1,017,461	19%
C. Professorial Rank						
Asst. Prof.	76	\$2,892,139	26	34%	\$728,648	25%
Assoc. Prof.	31	\$1,197,737	10	32%	\$150,432	13%
Professor	36	\$1,353,126	7	19%	\$138,381	10%
Res. Asst/ Assoc/ Scie.	1	\$41,460	0	0%	\$0	0%
Total	144	\$5,484,462	43	30%	\$1,017,461	19%
* Includes data on Special Opportunity proposal/award						
** List of UM-St. Louis Research Board (Fall 2005) winners						

RESEARCH BOARD PEER REVIEWERS, UM-ST. LOUIS

The Research Board receives approximately 150 proposals at each of two competitions annually. This requires around 800 faculty volunteers serving as Peer Reviewers of these proposals each year. Their efforts are appreciated very much by the Research Board. The Office of Research Administration would like to thank the **Research Board Peer Reviewers** from UM-St. Louis for their time and effort:

Michael T. Allison	Jerry Dunn	Simon Malcomber	Robert L. Sorensen
James Bashkin	Thomas George	Jody Miller	Chris Spilling
Carl Bassi	Frank Grady	Carole Murphy	Zuleyma Tang Martinez
Shirley Bissen	Michael Griffin	Joyce Mushaben	Brian Vandenberg
Ruth Bohan	Carl Hoagland	Michael Nichols	Judith Walker de Felix
Kathleen Brown	Winston Hsieh	Wendy Olivas	Eamonn Wall
Susan Brownell	Jim Hunt	Patricia Parker	Sue Waller
James Chickos	Sharon D. Johnson	Gualtiero Piccinini	Philip Weyman
John Dalton	Toby Kellogg	Joseph Rottman	Eric Wiland
Alexei Demchenko	Matthew Kliethermes	Steve Rowan	Peter Wolfe
Sel Dibooglu	Mary Lacity	Lisa Schechter	Zhi Xu
Cody Ding	Roberta Lee	Nancy Shields	
Priscilla Dowden	Colin MacDiarmid	Nancy Singer	

RESEARCH BOARD MEMBERS, UM-ST. LOUIS

The Office of Research Administration would like to thank the **Research Board Members** from UM-St. Louis for their dedication to research at the University:

Joe Carroll	Robert Marquis	George Taylor	
Joyce Corey	Lois Pierce		

QUARTERLY AWARDS REPORT, 2nd QUARTER FY2006

CSD	Department	# of Awards	\$ Awarded
Center for International Studies		1.00	10,500
	<i>Center for International Studies</i>	1.00	10,500
Center for the Humanities		1.00	1,000
	<i>Center for the Humanities</i>	1.00	1,000
College of Arts & Sciences		17.50	1,001,282
	<i>Anthropology</i>	0.20	3,150
	<i>Biology</i>	3.00	158,949
	<i>Chemistry & Biochemistry</i>	3.00	182,170
	<i>Child Advocacy Center</i>	5.00	302,815
	<i>Criminology & Criminal Justice</i>	2.00	95,039
	<i>History</i>	0.20	3,150
	<i>Mathematics & Computer Science</i>	0.10	62,456
	<i>Physics and Astronomy</i>	2.00	94,375
	<i>Psychology</i>	2.00	99,178
College of Business Administration		2.00	76,250
	<i>College of Business Administration</i>	2.00	76,250
College of Education		7.40	2,165,016
	<i>Educational Leadership & Policy</i>	2.90	709,100
	<i>Educational Psychology</i>	3.00	1,382,664
	<i>Teaching & Learning</i>	1.00	39,751
	<i>University Child Development</i>	0.50	33,501
College of Fine Arts & Communication		2.00	5,590
	<i>Dean-College Fine Arts & Communication</i>	2.00	5,590
Extension Division		4.00	20,177
	<i>Continuing Education & Outreach</i>	4.00	20,177

Information Technology Services	0.50	6,250
Faculty Instructional Support	0.50	6,250
KWMU Radio	2.00	391,811
KWMU FM Radio	2.00	391,811
Vice Provost for Research	9.60	1,688,403
Missouri Enterprise	2.00	952,256
Office of Research Administration	2.00	294,413
Public Policy Research Center	5.60	460,607
Grand Total	47.00	5,385,152

FUNDING OPPORTUNITIES

NEW ANNOUNCEMENTS: Government Agencies

Administration for Children and Families (ACF)

- Community-Based Abstinence Education Program
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7768>

Agency for Healthcare Research and Quality (AHRQ)

- Grants for Health Services Research Dissertation (R36)
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7609>

Agency for International Development (AID)

- Russia USAID-Moscow, North Caucasus Program Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7678>

Centers for Disease Control and Prevention (CDC)

- Emerging Infections Sentinel Network (EISN) Research Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7481>
- Replication of Highly Pathogenic Avian Influenza Viruses in Swine Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7449>
- Studies to Understand Transmissibility of Influenza Viruses in Mammalian Species Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7447>

Department of Agriculture (USDA)

- BIOTECHNOLOGY RISK ASSESSMENT RESEARCH [BRAG] GRANTS
http://www.csrees.usda.gov/funding/rfas/biotech_risk.html
- CSREES, Community Food Projects Competitive Grants Program Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7597>
- Foreign Agricultural Service, Scientific Cooperation Exchange Program with China Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7427>

Natural Resources Conservation Service

- Conservation Innovation Grants Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7581>
- Cooperative Conservation Partnership Initiative Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7582>
- Grazing Lands Conservation Initiative Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7719>

Unified Export Strategy

- Emerging Markets Program Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7746>
- Foreign Market Development Cooperator Program Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7748>
- Market Access Program Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7750>
- Quality Samples Program Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7741>

Department of Commerce (DOC)

- FY 2006 Summer Undergraduate Research Fellowship (SURF) - Boulder Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7507>

- FY 2006 Summer Undergraduate Research Fellowship (SURF) - GAITHERSBURG Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7539>
- NIST 2006 Small Grant Program <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7452>
- Precision Measurement Grants Program <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7451>

Department of Education (ED)

- Charter School Program Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7704>
- Children with disabilities; technical assistance and dissemination to improve services and results Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7574>
- College students high-risk drinking or violent behavior prevention Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7454>
- Educational Opportunity Centers Program Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7445>
- Gaining Early Awareness and Readiness for Undergraduate Programs (State Grants) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7707>
- Gaining Early Awareness and Readiness for Undergraduate Programs (Partnership Grants) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7716>
- National Technical Assistance and Dissemination Center for Children Who Are Deaf-Blind Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7414>
- Transition to Teaching Program Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7761>

SBIR/STTR Opportunities

- National Institute on Disability and Rehabilitation Research (NIDRR)--Small Business Innovative Research Program (SBIR) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7560>
- National Institute on Disability and Rehabilitation Research (NIDRR)--Small Business Innovative Research Program (SBIR) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7560>

Department of Energy (DOE)

- Genomics: GTL Facility for the Production and Characterization of Proteins and Molecular Tags Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7555>
- National Energy Technology Laboratory, Area of Interest 1: Advanced Start-of-Combustion, NOx or PM Sensor <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7774>
- National Energy Technology Laboratory, Area of Interest 1: Electronics Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7697>
- National Energy Technology Laboratory, Area of Interest 2: Drilling Technologies Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7698>
- National Energy Technology Laboratory, Area of Interest 2: Fuels, Fuel Additives, and Lubricant Formulations Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7776>
- National Energy Technology Laboratory, High Temperature, High Pressure Drilling Program Master Announcement Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7696>
- National Institute for Climatic Change Research, Center for Riparian and Coastal Ecosystems Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7606>
- Office of FreedomCAR and Vehicle Technologies FY06 Funding Opportunity Announcement <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7773>
- Research and Development of Fuel Cell Technology for the Hydrogen Economy Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7740>
- Research in High Energy Density Physics Using the ATLAS Pulsed Power Facility Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7605>

SBIR/STTR Opportunities

- FY 2006 SBIR/STTR Phase II Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7653>

Department of Justice (DOJ)

- Bureau of Justice Statistics, 2006 Census of State and Local Law Enforcement Training Academies Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7453>
- Office of Juvenile Justice Delinquency Prevention, Building Community Capacity to Reduce the Commercial Sexual Exploitation of Children and Youth Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7619>
- Office of Juvenile Justice Delinquency Prevention, FY 06 CSEC (Commercial Sexual Exploitation of Children and Youth) Research Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7671>
- Office of Juvenile Justice Delinquency Prevention, FY 2006 AMBER Alert Training and Technical Assistance Program Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7431>

- Office of Juvenile Justice Delinquency Prevention, FY 2006 Internet Crimes against Children Training and Technical Assistance Program Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7430>
- Office of Juvenile Justice Delinquency Prevention, FY 2006 Missing and Exploited Children Training and Technical Assistance Program Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7429>

Department of State (STATE)

- Bureau Of Educational and Cultural Affairs, Summer Institute for English as a Foreign Language Administrators from Francophone and Lusophone Sub-Saharan Africa Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7465>

Department of the Interior (DOI)

- National Park Service, Save America's Treasures Grant Program Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7717>
- U.S. Geological Survey, MINERAL RESOURCES EXTERNAL RESEARCH PROGRAM Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7599>

Department of Transportation (DOT)

- FAA Aviation Research Grants, Open Solicitation <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7777>

Environmental Protection Agency (EPA)

- BIOTECHNOLOGY: POTENTIAL ALLERGENICITY OF GENETICALLY ENGINEERED FOODS http://es.epa.gov/ncer/rfa/2005/2005_star_biotech.html
- CLASSIFYING OLDER ADULTS BASED ON CRITICAL LIFESTYLE FACTORS THAT MAY AFFECT THEIR ENVIRONMENTAL EXPOSURES Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7478>
- Collaborative Diesel Emissions Reductions Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7737>
- Fiscal Year 2006 Request for Proposals (RFP) for Modeling, GIS, Data Analysis and Information Management Support to the Chesapeake Bay Program Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7726>
- GASEOUS MERCURY DRY DEPOSITION METHOD DEVELOPMENT: DIRECT MEASUREMENT, MODEL DEVELOPMENT, AND MODEL VALIDATION Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7482>
- Nanotechnology Research Grants Investigating Environmental and Human Health Effects of Manufactured Nanomaterials: a Joint Research Solicitation-EPA, NSF, NIOSH, NIEHS http://es.epa.gov/ncer/rfa/2005/2005_star_nano.html
- OFFICE OF THE SCIENCE ADVISOR, OFFICE OF RESEARCH AND DEVELOPMENT BROAD AGENCY ANNOUNCEMENT FOR CONFERENCES, WORKSHOPS, AND/OR MEETINGS Modification1 <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7638>
- P3 AWARD: A NATIONAL STUDENT DESIGN COMPETITION FOR SUSTAINABILITY FOCUSING ON PEOPLE, PROSPERITY, AND THE PLANET http://es.epa.gov/ncer/rfa/2006/2006_p3.html
- Resource Conservation Challenge (RCC) Grants Program (FY06) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7541>

Food and Drug Administration (FDA)

- Clinical Studies of Safety and Effectiveness of Orphan Products Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7437>

Health Resources and Services Administration (HRSA)

- National Training and Technical Assistance Cooperative Agreements (NCA) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7788>

National Aeronautics and Space Administration (NASA)

- "DRAFT" ANNOUNCEMENT OF OPPORTUNITY: MARS SCOUT AND MISSION OF OPPORTUNITY Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7552>
- RESEARCH OPPORTUNITIES IN SPACE AND EARTH SCIENCES (ROSES) - 2006 Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7553>

National Archives and Records Administration (NARA)

- Electronic Records Projects Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7400>
- Publication Subventions Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7396>

- Publishing Historical Records-Founding Era Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7394>
- State Board Collaborative and Planning Projects Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7391>
- State Historical Records Advisory Board Administrative Support Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7392>

National Council on Disability (NCD)

- National Disability Performance Indicators and Data Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7538>

National Endowment for the Humanities (NEH)

- Summer Seminars and Institutes Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7614>
- Challenge Grants Grant (due May 1, 2006)
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7714>
- Challenge Grants Grant (due Nov 1, 2006)
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7715>

National Institutes of Health (NIH)

- Aging Research Dissertation Awards to Increase Diversity (R36) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7586>
- Autism Centers of Excellence (P50) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7682>
- Autism Centers of Excellence (R01) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7681>
- Biomarkers of Autoimmunity in Type 1 Diabetes (R21) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7479>
- Career Enhancement Award for Stem Cell Research (K18) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7486>
- Countermeasures Against Chemical Threats (CounterACT) Research Centers of Excellence (U54) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7501>
- Countermeasures Against Chemical Threats (CounterACT) Research Projects (U01) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7500>
- Developmental Centers for Research on Complementary and Alternative Medicine: Phase I (DCRC I)[U19] Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7438>
- Developmental Centers for Research on Complementary and Alternative Medicine: Phase II (DCRC II)[U19] Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7760>
- Disease Investigation through Specialized Clinically-Oriented Ventures in Environmental Research (DISCOVER) [P50] Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7733>
- High-Density Genotyping of Diabetes and Diabetic Complications Sample Collections (R01) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7480>
- Improving Diet and Physical Activity Assessment (R01) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7442>
- Institutional Grants for Research Training in Biomedical Informatics (T15) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7600>
- Interdisciplinary Research Consortium (U54) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7685>
- Nanomedicine Development Centers (PN2) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7758>
- NIAMS Small Grant Program for New Investigators (R03) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7443>
- NIDCD Short-Term Enhancement Award for Research Careers in Language and Autism (K18) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7433>
- Phased Innovation Awards (R21/R33) in AIDS Vaccine Research Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7446>
- Pilot and Feasibility Clinical Research Grants in Kidney or Urologic Diseases (R21) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7473>
- Preapplication for Interdisciplinary Research Consortium (X02) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7686>
- Research on Clinical Decision Making in Life-Threatening Illness (R21) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7428>

- Research on Pathways Linking Environments, Behaviors and HIV/AIDS (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7466>
- Research on Pathways Linking Environments, Behaviors and HIV/AIDS (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7448>
- Research On The Cognitive Sequelae Of Parkinson's Disease (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7435>
- Research On The Cognitive Sequelae Of Parkinson's Disease (R03) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7436>
- Research On The Cognitive Sequelae Of Parkinson's Disease (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7434>
- Sarcoidosis: Research into the Cause of Multi-organ Disease and Clinical Strategies for Therapy (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7677>
- Specialized Cooperative Centers Program in Reproduction and Infertility Research (U54) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7657>
- Structural Biology of Membrane Proteins (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7689>
- Training in Neuroimaging: Integrating First Principles and Applications (T90) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7441>

SBIR/STTR Opportunities

- Application of Emerging Technologies for Cancer Research (SBIR [R43/R44]) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7765>
- Application of Emerging Technologies for Cancer Research (STTR [R41/R42]) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7764>
- Applications of Imaging and Sensor Technologies for Clinical Aging Research (STTR [R41/R42]) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7752>
- Applications of Imaging and Sensor Technologies for Clinical Aging Research (SBIR [R43/R44]) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7753>
- Directed Stem Cell Differentiation for Cell Based Therapies for Heart, Lung, Blood, and Aging Diseases (SBIR [R43/R44]) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7687>
- Directed Stem Cell Differentiation for Cell Based Therapies for Heart, Lung, Blood, and Aging Diseases (STTR [R41/R42]) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7688>
- Innovations in Cancer Sample Preparation (SBIR [R43/R44]) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7767>
- Innovations in Cancer Sample Preparation (STTR [R41/R42]) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7766>
- Innovative Technologies for Molecular Analysis of Cancer (SBIR [R43/R44]) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7762>
- Innovative Technologies for Molecular Analysis of Cancer (STTR [R41/R42]) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7763>
- Medications Development for the Treatment of Alcoholism (SBIR [R43/R44]) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7692>
- Medications Development for the Treatment of Alcoholism (STTR [R41/R42]) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7695>
- New Technology for Proteomics and Glycomics (SBIR [R43/R44]) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7734>
- New Technology for Proteomics and Glycomics (STTR [R41/R42]) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7735>
- PHS 2006-02 Omnibus Solicitation of the NIH, CDC, and FDA for Small Business Innovation Research Grant Applications (Parent SBIR [R43/R44]) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7693>
- PHS 2006-2 Omnibus Solicitation of the NIH for Small Business Technology Transfer Grant Applications (Parent STTR [R41/R42]) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7694>
- Technologies for Monitoring and Performing Resuscitation (SBIR [R43/R44]) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7722>
- Technologies for Monitoring and Performing Resuscitation (STTR [R41/R42]) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7723>

National Science Foundation (NSF)

- Behavioral Systems Cluster <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7625>
- Biological Oceanography Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7720>
- Ceramics Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7624>

- CBMS (Conference Board of the Mathematical Sciences REGIONAL CONFERENCES
<http://www.cbmsweb.org/NSF/index.htm>
- Control Systems Program Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7663>
- Developmental Systems Cluster Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7627>
- Dynamical Systems Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7633>
- Electronic Materials Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7631>
- Electronics, Photonics and Device Technologies (EPDT) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7634>
- Engineering Design (ED) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7635>
- Engineering Education Programs (EEP) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7636>
- Environmental and Structural Systems Cluster
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7628>
- Ethics Education in Science and Engineering (EESE)
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7470>
- Fluid Dynamics and Hydraulics (FDH) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7699>
- Functional and Regulatory Systems Cluster
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7629>
- Genes and Genome Systems Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7680>
- GeoEnvironmental Engineering and GeoHazards Mitigation Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7667>
- Geoscience Teacher Training (GEO-Teach) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7472>
- GLOBAL LEARNING & OBSERVATIONS TO BENEFIT THE ENVIRONMENT [GLOBE]
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5466
- I/UCRC SUPPLEMENTAL FUNDING REQUESTS FOR FUNDAMENTAL RESEARCH Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7616>
- Informal Science Education (ISE) <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7419>
- Information Technology and Infrastructure Systems Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7664>
- Infrastructure Management and Hazard Response Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7665>
- Infrastructure Materials Applications and Structural Mechanics
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7661>
- Inorganic, Bioinorganic and Organometallic Chemistry Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7626>
- Integrative Graduate Education and Research Traineeship Program (IGERT) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7471>
- Interfacial, Transport, and Thermodynamics Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7637>
- Material Design and Surface Engineering Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7662>
- Materials Processing and Manufacturing Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7640>
- MATERIALS USE: SCIENCE, ENGINEERING, AND SOCIETY [MUSES]
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13654
- Mathematical Social and Behavioral Sciences (MSBS) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7721>
- Metals <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7623>
- NanoManufacturing Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7641>
- Postdoctoral Fellowships in Polar Regions Research Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7572>
- POSTDOCTORAL RESEARCH FELLOWSHIPS IN BIOLOGICAL INFORMATICS
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12720
- Process and Reaction Engineering Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7642>
- Sensor Technologies for Civil and Mechanical Systems Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7643>
- Social Psychology Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7632>
- Structural Systems and Hazards Mitigation of Structures Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7666>

- Synthesis of Arctic System Science <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7426>
- Undergraduate Research Collaboratives
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7425>

Substance Abuse and Mental Health Services Administration (SAMHSA)

- Assertive Adolescent and Family Treatment
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7621>

NEW ANNOUNCEMENTS: Foundations & Other

AMERICAN HISTORICAL ASSOCIATION

NASA: FELLOWSHIP IN AEROSPACE HISTORY

DUE: MAR 1

WRITE: Grant and Fellowship Programs

American Historical Association

400 A Street, SE

Washington, DC 20003

E-MAIL: aha@theaha.org

PHONE: 202/544-2422

FAX: 202/544-8307

The American Historical Association will annually fund at least one Fellow, for one academic year, to undertake a research project related to aerospace history. It will provide a Fellow with an opportunity to engage in significant and sustained advanced research in all aspects of the history of aerospace from the earliest human interest in flight to the present, including cultural and intellectual history, economic history, history of law and public policy, and the history of science, engineering, and management.

ELIGIBILITY: Applicants must possess a doctorate degree in history or in a closely related field, or be enrolled as a student (having completed all coursework) in a doctoral degree-granting program.

FUNDING: The stipend is \$20,000 for a 6-9 month fellowship. This amount is adjustable to the length of the fellowship term. Funds may not be used to support tuition or fees. A Fellow may not hold other major fellowships or grants during the fellowship term, except sabbatical and supplemental grants from their own institutions, and small grants from other sources for specific research expenses. Sources of anticipated support must be listed in the application form.

ALEXANDER VON HUMBOLDT FOUNDATION

TRANSATLANTIC RESEARCH COOPERATION PROGRAM [TRANSCOOP]

DUE: APR 30 OCT 31

WRITE: Alexander von Humboldt Assoc. of America

1012 14th Street, NW

Suite 1015

Washington, DC 20005

E-MAIL: avhaa@bellatlantic.net

PHONE: 202/783-1907

FAX: 202/783-1908

The Alexander von Humboldt Foundation supports transatlantic research cooperation among German, American and/or Canadian scholars (Ph.D. required) in the humanities, social sciences, economics, and law by means of the TransCoop Programme.

FUNDING: Joint research initiatives can receive up to EUR 45,000 each over a three-year period.

Prerequisite is that the amount granted by TransCoop is matched by funds from US and/or Canadian sources. Funds can be used to finance short-term research visits, special conferences and workshops, material and equipment, printing costs, and research assistance.

CONGRESSIONAL BLACK CAUCUS FOUNDATION

CONGRESSIONAL FELLOWS PROGRAM

DUE: APR 3

WRITE: Congressional Fellowship Program

Congressional Black Caucus Foundation

1720 Massachusetts Ave, NW

Washington, DC 20036

E-MAIL: info@cbcfinc.org

PHONE: 202/263-2800

FAX: 202/775-0773

The CBCF Congressional Fellows Program was created in 1976 in order to increase the number of African Americans working as professional staff in the U.S. Congress. Despite substantial progress in the past twenty-nine years, African Americans are still underrepresented among congressional staff. The Congressional Fellows program is designed around three components: public policy training, educational enrichment, and leadership development. The centerpiece of the public policy training component is a nine-month congressional office placement. During the office placement, Fellows gain invaluable experience as they assist in the development of legislative and public policy initiatives while working as congressional staff. Fellows work 40 hours per week on a range of staff assignments, including legislative analysis, responding to constituent mail, drafting legislation, and coordinating logistics and public testimony for congressional hearings. Additionally, Fellows are required to write a public policy research paper, legislative briefing paper, and op-ed article on a matter of mutual interest to themselves and the Member for whom they work.

ELIGIBILITY: The CBCF Congressional Fellows Program is open to individuals with demonstrated interests in the public policy process and with a commitment to Black political empowerment. Consideration will be given to persons with graduate or professional degrees, professionals with a minimum of five years experience pursuing graduate studies, and junior faculty.

FUNDING: Participants in the Congressional Fellows Program must reside in or relocate to the Washington, DC Metropolitan Area. Fellows receive health and dental insurance and a stipend totaling \$25,000 for the nine-month fellowship period (this is comparable to the salary for most first-year congressional staff). Fellows who successfully complete the nine-month program are eligible to participate in the optional summer placement component. Fellows who participate in the summer placement are provided with an additional \$7,000 stipend. Fellows are responsible for their own travel, housing, and other associated expenses.

CANCER RESEARCH INSTITUTE

POSTDOCTORAL FELLOWSHIPS IN CANCER IMMUNOLOGY OR GENERAL IMMUNOLOGY

DUE: APR 1 OCT 1

WRITE: Grants Administrator

Cancer Research Institute

681 Fifth Avenue

New York, NY 10022-4209

E-MAIL: grants@cancerresearch.org

PHONE: 212/688-7515, ext. 242

The Postdoctoral Fellowship Program was established in 1971 to answer the need for more researchers in the field of cancer immunology. It supports qualified young scientists at leading universities and research centers around the world who wish to receive training in cancer immunology or general immunology.

FUNDING: Fellowship stipends are \$40,000 for the first year, \$42,000 for the second year, and \$44,000 for the third year. An institutional allowance of \$1,500 per year is allotted to the host institution, to be used at the sponsor's discretion to help pay for the fellow's research supplies, travel to scientific meetings, or health insurance.

THE ENERGY FOUNDATION

GRANTS FOR RESEARCH AND ANALYSIS ON ENERGY

DUE: anytime

WRITE: The Energy Foundation

1012 Torney Avenue #1

San Francisco, CA 94129

E-MAIL: energyfund@ef.org

PHONE: 415/561-6700

FAX: 415/561-6709

The Energy Foundation is a partnership of major donors interested in solving the world's energy problems. The Foundation's mission is to advance energy efficiency and renewable energy - new technologies that are essential components of a clean energy future. The geographic focus is on the United States and China, the largest and fastest growing energy markets in the world. Current Energy Foundation partners are The William and Flora Hewlett Foundation, The John D. and Catherine T. MacArthur Foundation, The McKnight Foundation, The Mertz Gilmore Foundation, and The David and Lucile Packard Foundation. The Foundation's primary role is as a grantmaker, providing resources to the institutions that most effectively leverage change. The following program areas are currently available: Power, Buildings, Transportation, Climate, and the China Sustainable Energy Program.

ELIGIBILITY: Nonprofit organizations.

FUNDING: In 1999, 2000, and 2001, a total of 468 grants worth \$45,250,716 were made to 166 organizations.

**FUND FOR THE IMPROVEMENT OF POSTSECONDARY EDUCATION
PROGRAM FOR NORTH AMERICAN MOBILITY IN HIGHER EDUCATION**

DUE: APR 17

WRITE: FIPSE

U.S. Dept. of Education
1990 K Street, NW 6th Floor
Washington, DC 20006-8544

E-MAIL: Sylvia.Crowder@ed.gov

PHONE: 202/502-7514

The purpose of this program is to provide grants or enter into cooperative agreements to improve postsecondary education opportunities by focusing on problem areas or improvement approaches in postsecondary education. This Special Focus Competition has an invitational priority designed to support the formation of educational consortia of American, Canadian, and Mexican institutions to encourage cooperation in the coordination of curricula, the exchange of students, and the opening of educational opportunities among the United States, Canada, and Mexico.

ELIGIBILITY: Institutions of higher education (IHEs) or combinations of IHEs and other public and private nonprofit institutions and agencies.

FUNDING: \$300,000 has been requested for this program for FY 2006. The estimated range of awards is \$25,000-30,000 for the first year only, and \$210,000 for four-year duration of the grant. About 10 awards are expected to be made.

U.S.-BRAZIL HIGHER EDUCATION CONSORTIA PROGRAM

DUE: APR 17

WRITE: FIPSE

U.S. Department of Education
1990 K Street, NW 6th Floor
Washington, DC 20006-8544

E-MAIL: Sylvia.Crowder@ed.gov

PHONE: 202/502-7514

The U.S.-Brazil Higher Education Consortia Program (U.S.-Brazil Program) is a grant competition run cooperatively by the governments of the United States and Brazil. The purpose of this competition is to promote student-centered cooperation between the United States and Brazil to increase cross-national education and training opportunities in a wide range of academic and professional disciplines.

ELIGIBILITY: Institutions of higher education, combinations of institutions, nonprofit organizations, other organizations and/or agencies may apply. The U.S.-Brazil Program will fund collaborative efforts in the form of consortia. A consortium must have at least two academic institutions from each country. The funding period will be for four years.

FUNDING: \$300,000 has been requested for this program for FY 2006. The estimated range of awards is \$30,000 for the first year, and \$200,000--\$210,000 for four-year duration of the grant. About 12 awards are expected to be made.

**INTERNATIONAL RESEARCH & EXCHANGES BOARD
POLICY-CONNECT COLLABORATIVE RESEARCH GRANTS**

DUE: APR 1

WRITE: International Research & Exchanges Board
2121 K Street, NW
Suite 700

Washington, DC 20037

E-MAIL: policyconnect@irex.org

PHONE: 202/628-8188

FAX: 202/628-8189

IREX's Policy-Connect program seeks to attract, select, and support advanced research by US experts in policy-relevant subject areas related to Southeast Europe and Eurasia, facilitate collaboration among and between US and international scholars, and disseminate knowledge about Europe and Eurasia to a wide network of constituents in the United States and abroad. Policy-Connect provides American scholars with the means and support necessary to conduct research, particularly on lesser-studied regions such as the Balkans, Central Asia, and the Caucasus, where issues central to the national security and foreign policy interests of the United States must be studied. The knowledge and expertise gained by the grant recipients become a valuable resource for the policymaking community,

as the scholars share the results of their research through research briefs, policy fora, and individual meetings. The Policy-Connect Program provides fellowships to US scholars and professionals for overseas research on contemporary political, economic, historical, or cultural developments relevant to US foreign policy. Fellowships support collaborative teams of two or three US scholars and professionals for up to 12 months. Upon completion of the project, scholars will be requested to present their research findings at a Policy Forum at the US Department of State and to write a short policy paper.

ELIGIBILITY: Collaborative teams may be comprised of two to three US scholars. Each must be a US citizen or permanent resident. Applicants and collaborators must hold a PhD or other professional graduate degree (MA, MS, MFA, MBA, MPA, MLIS, MPH, JD, MD). Applications will not be considered from those currently pursuing a degree.

FUNDING: Up to \$30,000.

LILLY LIBRARY, INDIANA UNIVERSITY

EVERETT HELM VISITING FELLOWSHIPS

DUE: APR 1 OCT 1

WRITE: The Lilly Library
Indiana University
1200 E. Seventh Street
Bloomington, IN 47405

E-MAIL: liblilly@indiana.edu

PHONE: 812/855-2452

FAX: 812/855-3143

The Lilly Library invites applications for visiting fellowships for research in residence in its collections. The Lilly Library is the principal rare book and manuscript library of Indiana University. Its holdings support research in British, French, and American literature and history; the literature of voyages and exploration, specifically the European expansion in the Americas; early printing, and the Church, children's literature, music; film, radio and television; medicine, science, and architecture; and food and drink. The Everett Helm Visiting Fellowship program supports research and provides access to the collections of the Lilly Library for scholars residing outside the Bloomington area. Project proposals should demonstrate that the Lilly Library's resources are integral to proposed research topics.

Candidates are encouraged to inquire about the appropriateness of a proposed topic before applying.

FUNDING: Successful applicants will receive an award of up to \$1,500 in support of travel, living, and/or research expenses. Awards must be used within one year of the award date and recipients must reside in Bloomington during the period of their awards.

NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY

PRECISION MEASUREMENT GRANTS

DUE: FEB 3

WRITE: Dr. Peter J. Mohr, Manager
NIST Precision Measurement Grants
100 Bureau Drive
Stop 8420

Gaithersburg, MD 20899-8420

E-MAIL: mohr@nist.gov

PHONE: 301/975-3217

As part of its research program, since 1970 NIST has awarded Precision Measurement Grants primarily to universities and colleges so that faculty may conduct significant research in the field of fundamental measurement or the determination of fundamental constants. NIST sponsors these grants and cooperative agreements primarily to encourage basic, measurement-related research in universities and colleges and other research laboratories and to foster contacts between NIST scientists and those faculty members of academic institutions and other researchers who are actively engaged in such work. The Precision Measurement Grants are also intended to make it possible for researchers to pursue new ideas for which other sources of support may be difficult to find. There is some latitude in research topics that will be considered under the Precision Measurement Grants Program. The key requirement is that the proposed project support NIST's ongoing work in the field of basic measurement science.

ELIGIBILITY: Eligible applicants are institutions of higher education; hospitals; non-profit organizations; commercial organizations; state, local and Indian tribal governments; foreign governments; organizations under the jurisdiction of foreign governments; international organizations; and Federal agencies with appropriate legal authority.

FUNDING: Applicants should propose multi-year projects for up to three years at no more than \$50,000 per year. NIST anticipates spending \$100,000 this year for two new grants at \$50,000 each for the first year of the research projects.

RUSSIAN AND EAST EUROPEAN CENTER, U. OF ILLINOIS

SUMMER RESEARCH LABORATORY

DUE: APR 15

WRITE: Russian and East European Center

University of Illinois

104 International Studies Building

910 S. Fifth Street

Champaign, IL 61820

E-MAIL: reec@uiuc.edu

PHONE: 217/333-1244

FAX: 217/333-1582

The Summer Research Laboratory on Russia, Eastern Europe, and Eurasia (SRL) is a program for scholars to conduct advanced research in this field. Associates are given full access the collection and resources of the University of Illinois Library, the largest Slavic collection west of Washington, DC, and are able to seek advice from the reference librarians of the Slavic and East European Library. The SRL provides an opportunity for specialists to keep current on knowledge and research in the field, to access newly available and archival materials, and disseminate knowledge to other scholars, professionals, government officials, and the public. For graduate students, it provides an opportunity to conduct research prior to going abroad for dissertation research or as they are working on their dissertation.

ELIGIBILITY: The following persons are eligible to apply to the Summer Lab: (1) Faculty or graduate students at a university or college who are teaching and/or doing research on the region; (2) Individuals who have a PhD and are doing research on the region, even if this expertise is not being used in current employment; (3) Individuals working in an area of government, NGOs or business related to the region, regardless of academic training; (4) Librarians specializing in the Slavic, East European, and Eurasian field.

NEW ANNOUNCEMENTS for Postdocs, Graduates and Undergrads

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

Postdoctoral and Graduate Student Funding Opportunities

Alberta Ingenuity Fund

Industrial Associateship: http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=3537%20

American Astronomical Society

AAS Brouwer Award: http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=3663

Chretien International Research Grants:

http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=3662%20

Solar Physics Division Popular Writing Awards:

http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=3664%20

American Educational Research Association

AERA-AIR Fellows Program: http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=3675

AERA-ETS Postdoctoral Program: http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=3676

AERA Minority Fellowships in Education Research:

http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=3677

American Institute of Biological Sciences

AIBS Diversity Leadership Awards: http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=3655

Burroughs Wellcome Fund

Clinical Scientist Awards in Translational Research:

http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=1178

Career Awards in the Biomedical Sciences:

http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=1177

Investigators in Pathogenesis of Infectious Disease:

http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=2093

The Carnegie Observatories

Carnegie Postdoctoral Research Fellowship in Astronomy:

http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=3665%20

Doris Duke Charitable Foundation

Distinguished Clinical Scientists Award:

http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=3652

National Research Council of Canada (NRC) Herzberg Institute of Astrophysics

Morton Fellowship: http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=3660

United Negro College Fund Special Programs Corporation

Curriculum Improvement Partnership Award, CIPA:

http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=3656%20

Harriett G. Jenkins Pre-doctoral Fellowship Program:

http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=3657

US Department of Defense

DoD Neurofibromatosis Investigator-Initiated Research Awards:

http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=2275

Funding Opportunities for Undergraduates

American Institute of Biological Sciences

AIBS Diversity Scholars Program: http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=3654

Institute for Defense Analyses

IDA Summer Internship Program: http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=3668

Iowa AGEP

Iowa Summer Research Experience: http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=3658

National Research Council of the National Academies

Space Policy Internship: http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=3666

Pasteur Foundation

Paul W. Zuccaire Undergraduate Internships - Summer 2007 - Institut Pasteur in Paris, France:

http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=3128

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.

SPOTLIGHT

UM-St. Louis Department of Communication Researchers Among Most Published in Field

According to a recent *Journal of Communication* article, current faculty in UMSL's Department of Communication tied for fifth place among U.S. universities for the most number of published peer-reviewed articles in the industry's major journals.

The article, "Publish or Perish: A Limited Author Analysis of ICA and NCA Journals" by Ulla Bunz, assistant professor, Florida State University Department of Communication (*Journal of Communication*, December 2005), details Bunz's study investigating 349 research articles by 125 authors in eight International Communication Association (ICA) and National Communication Association (NCA) journals between January 1999 and June 2004.

The study reveals that the UM-St. Louis department could be outdone in this time period only by the nation's original Department of Communication at Michigan State University, the University of California-Santa Barbara, the University of Wisconsin-Madison, and the University of Missouri-Columbia. (UMSL tied with the University of Illinois-Urbana/Champaign.)

What makes this even more interesting, is UMSL's Department of Communication is much smaller than most other communication departments across the country.



Current UMSL Department of Communication faculty, including (from left) Dr. Michael Beatty, Professor and Chair, and Dr. Alice Hall, Assistant Professor, are involved in many areas of quantitative research. Shown is the lab built to handle experiments measuring electrical impulses generated from various messaging. The department raised just under \$60,000 to construct the lab.

Michael Beatty, professor and chair, UMSL Department of Communication, said it's important to realize that universities like "Stanford, Northwestern, Ohio State, University of Michigan and UCLA, just as examples, all have communication programs with substantially larger faculties and Ph.D. programs, but we produced more research in the major journals." (UM-St. Louis does not have a Ph.D. program in this field.)

"In fact, there are just under 1,000 departments in the United States. For us to be tied for 5th is extraordinary. Keep in mind, the journals are highly selective, rejecting between 85 percent and 95 percent of what is submitted," Beatty, who has had at least one research article published in a major journal every year for 30 years, said.

But What are They Writing So Much About?

According to Beatty, "communication is the scientific study of how people construct, use, and respond to messages. We are a behavioral science with a heavy quantitative focus. The published articles counted in the 'Publish or Perish' study represent experiments similar in form to those published in psychology, for example."

Beatty's own research, in collaboration with department colleague Alan Heisel, assistant professor, has focused on "attempts to discover the sequence of activity in the cortex associated with strategic message planning. We measure electrical impulses via EEG during interaction." (An EEG is an electroencephalogram, or a brain wave test used to measure electrical activity of the brain.)

However this is just one small stream of research in the department. Other areas of research include testing the effectiveness of health campaigns, studying images of people as a function of personal interaction versus exposure to them exclusively through media, and the effect of personality on interactions in the family or at work, among others.

Also contributing to the department's ranking was Alice Hall, assistant professor in communication. Her research interests include audience interpretation of mass media messages and the potential of the process of interpretation to moderate the effects of media content.

Hall, who joined UMSL in 2000 and was just granted tenure this year, said an area she's been working in recently is audience perception of media realism.

"Perceived realism has been advanced frequently as a potential moderator of media effects," she said. "For example, some researchers have suggested that perceived realism may facilitate an audience member's acceptance of models that they see in the media.

"However, there isn't a lot of agreement about what it means to say that something is realistic. Some research, for example, conceptualizes realism as factuality - news and documentaries are seen as high in realism, whereas fiction genres are not. Other research conceptualizes realism as an attribute that can vary across texts that are uniformly understood to be fiction. 'Law and Order' may be seen as realistic, whereas 'Buffy the Vampire Slayer' is not. I'm interested in how audience members make these judgments and in the implications that these judgments have for their responses to particular media texts."

So What Makes UMSL's Department of Communication Rise Above Most Others?

Great faculty, according to both Beatty and Hall. "We're very careful about who we hire," Beatty said, "because we're too small to support mediocrity."

The department is currently conducting a search for another faculty member, after which they will have seven researchers on board. And Hall points out that there are many reasons for a new faculty member to choose UM-St. Louis.

"I was drawn both by UMSL offering a teaching load that allowed me time to pursue research," Hall said. "And the department has many strengths, including a lot of dedicated faculty members who are genuinely fascinated by their subject areas and who enjoy what they do, and a collegial atmosphere that facilitates my research and teaching."

Not to mention publishing. *

Download complete *Journal of Communication* article (PDF):
<http://www.umsl.edu/services/ora/about/documents/PublishorPerish.pdf>

NEWS

TOP STORIES

ORA NEWS

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Chancellor's Award for Excellence in Research and Creativity

Nominations due April 17, 2006

The purpose of this annual award is to honor a full-time, regular faculty member who has demonstrated superior achievement in a program of research and creativity. The award will be presented at the Chancellor's State of the University Address in Fall 2006.

Nominations may be submitted by any UM-St. Louis faculty member or group of faculty. Faculty members who have received a Presidential Award for Research and Creativity, a previous Chancellor's Award for Excellence in Research and Creativity, or who hold a Curators' Professorship will not be eligible for this award. (Download a list of Curators Professors and previous recipients of these awards in PDF: <http://www.umsl.edu/services/ora/about/documents/AWARDRECIPIENTS.pdf>)

Nominations packets should include a one- to two-page cover letter summarizing the nominee's research and/or creative accomplishments, a curriculum vita, and up to 15 reference letters. Your cover letter should also include a synopsis of the referees' credentials.

Twelve copies of the documents must be received in the Office of Research Administration, 341 Woods Hall, by 5 p.m. Monday, April 17, 2006.

For more information, contact [Susan Gilyon](#).

Changes in ORA Staff Support to Provide Enhanced Service for Faculty

In light of the pending convergence of all 26 federal grant-making agencies into a single online submission mechanism (grants.gov), the ORA is placing a greater focus on staff support for electronic submissions.

Providing such support, including facilitating the necessary training for faculty, will be the primary responsibility of Brenda Stutte. To free up Brenda's time to focus more fully on this task, we have shifted some of her former responsibilities in administering internal awards (e.g., Small Grants, UMSL

Research Awards, Research Board Awards, the Chancellor's and the President's Research and Creativity Awards) to Susan Gilyon.

You can reach Brenda at Stutte@umsl.edu and Susan at Gilyons@umsl.edu. *

Biotechnology Industry Ends 2005 with Breakthrough Product Approvals and Steady Financing

Biotechnology Industry Organization (BIO) News Release
January 18, 2006

WASHINGTON, D.C. – The biotechnology industry ended 2005 with steady financial investments and product deliveries as companies succeeded in introducing novel therapies for patients suffering from some of the most devastating and deadly diseases. The year also marked significant advancements in agricultural and environmental biotechnology.

Download entire press release (PDF):

<http://www.umsl.edu/services/ora/about/documents/BioIndustryEnds05withBreakthroughProductApprovalsandSteadyFinancing.pdf>

Blunt and MOHELA Agree on Public-Private Partnership Proposal

Higher Ed Capital Projects, Scholarships Preserved; Loan Options for Students Remain

Press Release, Missouri Governor's Office
January 31, 2006

JEFFERSON CITY—The Missouri Higher Education Loan Authority (MOHELA) board endorsed a plan today in response to Gov. Matt Blunt's Lewis and Clark Discovery Initiative that would provide \$450 million, for capital improvement projects, new scholarships and endowed professorships at universities throughout the state.

"I commend the MOHELA board for responding to my call for action to provide a public-private partnership that benefits students, colleges and universities, and our state's future economic growth," Blunt said. "This proposal eliminates all objections voiced towards our proposal and I look forward to working with the General Assembly in the weeks ahead to provide this needed assistance to our college students, their universities and our state's economy."

"MOHELA is pleased to be a partner with the state in fulfilling the governor's vision for higher education," said Karen Luebbert, chair of the MOHELA board. "MOHELA will continue to benefit Missouri's students and families by providing low cost interest rates and lending borrower benefits while funding Gov. Blunt's Lewis and Clark Discovery Initiative."

The MOHELA board announced its intentions to put select assets up for sale on the open market excluding loans it backs for Missouri college students. This action will provide \$450 million in funding for the following projects: \$300 million for capital improvement projects, \$100 million for student scholarships, \$30 million to enhance growth and development of technology businesses near college campuses and \$20 million for endowed professorships at universities throughout the state. The board will follow Missouri's open bid laws to ensure openness in the transactions.

This will eliminate the need for the special board called for in Blunt's Lewis and Clark Discovery Initiative. The Missouri General Assembly and Gov. Blunt will still decide how funds are allocated to colleges and universities. All of the economic benefits outlined in Blunt's initiative remain with this public-private partnership proposal.

As governor, Blunt has made education his number one priority. Last year Blunt signed a budget that directed more money to Missouri's two and four-year public colleges and universities than any budget of the prior administration. This year he is calling for a \$17.1 million increase for higher education. The new funding will provide our state institutions resources they need to hold back any significant tuition increases and to continue to improve the quality of education they offer. *

Gov. Blunt's Proposed Capital Improvements, St. Louis Region

- \$300 million on 20 capital improvement projects at state universities, which it estimates would leverage an additional \$236 million in matching funds from other sources. Many of the

buildings relate to science, health and technology programs. In St. Louis, \$24.5 million of the funds would go to projects at the University of Missouri-St. Louis, while \$17.7 million would be spent at Harris-Stowe State University. It also would provide \$13 million for the Midtown-area biotech research cooperative set up by area universities and businesses (CORTEX and the Center for Emerging Technologies). *

Commerce Drops Plan to Limit Researchers

By Kelly Field

From [Chronicle of Higher Education](#)

January 27, 2006

Volume 52, Issue 21

To the relief of college researchers, the U.S. Commerce Department has abandoned a plan that would have restricted foreign students' and scholars' access to sensitive technology based on their countries of birth rather than their countries of citizenship or permanent residency.

That plan, which appeared in early versions of a proposed rule that the department is expected to issue in the coming months, could have required American colleges and universities to obtain export-control licenses for thousands more of their foreign students and researchers. The plan would have affected, for example, a Chinese-born researcher who had attained Canadian citizenship.

Export-control licenses are designed to prevent spies and terrorists from exporting sensitive technologies and equipment, or information about those technologies, to certain "countries of concern," like China or Iran.

Peter Lichtenbaum, assistant secretary of commerce for export administration, said the department had decided to drop the proposal to link access and birth countries after hearing from dozens of researchers in industry and academe and concluding that there was little evidence that it would significantly improve national security.

But the concession, while welcomed by college officials, does not resolve researchers' concerns about other elements of the proposed regulation, which was issued in draft form last spring and has elicited more than 300 critical comments from industry and academe.

Particularly troubling to many is a provision that would require colleges to obtain licenses for foreigners who work with equipment that is subject to export controls, even if the underlying research is exempt from licensing.

Critics say the draft proposal would eviscerate the exemption and compel researchers to obtain licenses for even the most mundane equipment, such as fermenters. But the Commerce Department says the changes are necessary to close gaps in the law that have given spies and terrorists access to sensitive technologies. *

Express Scripts Wins 2005 "Spirit of St. Louis" Technology Award

Excerpted from St. Louis Commerce Magazine

Published: December 2005

Even the (\$15.1 billion ... in annual revenue and ranking as the second largest Fortune 500 Company in St. Louis, Express Scripts shows no signs of relaxing and enjoying the scenery.

Express Scripts Inc., founded here in St. Louis in 1986, is already one of America's largest pharmacy benefit managers. It is committed to helping employers, managed-care plans, unions and governmental entities provide pharmacy benefits for millions of people nationwide. Its technology is a vital ingredient to its success.

The company has been selected to receive the 2005 Spirit of St. Louis Technology Award because of this commitment and its use of technology to make the use of prescription drugs safer and more affordable.

President and CEO George Paz says, "Technology is a very important element of our business model, which involves making the use of prescription drugs safer and more affordable. We process over 400

million retail prescriptions a year for people who walk into their local pharmacy. Our system makes sure that the claim adjudicates properly, while enhancing safety and identifying savings opportunities."

Knowing that their systems have to be available one hundred percent of the time, Paz says they can't afford to be "down." "We have to be there for individuals to get their drugs and our job is to negotiate significant discounts so that the health care costs can stay competitively priced and allow the client sponsors to continue to offer health care benefits.

"We view our jobs as critically important in the management of drug costs for our clients," he says. "Technology is a very important enabling tool for that purpose."

Patrick McNamee, senior vice president and chief information officer, says that the company invests heavily in technology. "What's impressive about Express Scripts is that information technology isn't just a back office function. Information technology is a product. Unlike a manufacturer, our technology is client/patient facing and it is on the front line developing very sophisticated products."

Improved technology is critical to our future success. A perfect example is our investment in RxHub, McNamee says. "This communication hub allows physicians to electronically transmit their scripts from a physician's office directly to the retail or home delivery pharmacy."

...

EXPRESS SCRIPTS INC. & UMSL PARTNERSHIP In March 2007, Express Scripts Inc. (ESI) will open its new corporate headquarters on the campus of the University of Missouri-St. Louis, making ESI the highest ranking Fortune 500 Company to have a corporate headquarters on a university campus.

This collaboration between the city's second largest company, with 3,000 employees here, and the region's largest university will promote opportunities such as health-economics research and information technology, which are key strengths for both organizations. Each organization also realizes the need for promoting growth and synergy within their structure, which makes this joint venture even more advantageous.

"We need a talent pool to continuously draw from," George Paz, president and CEO, says. "Being centrally located next to the university will allow us to be able to tap into the market of young, aggressive individuals who, quite frankly, have just graduated from school and have a whole career ahead of them."

With an enrollment of 15,800, UMSL will provide that talent pool. More than 75 percent of UMSL's graduates live and work in the region—supporting the unofficial campus tagline, "We Educate St. Louis."

Paz says, "The move to UMSL will facilitate an unprecedented opportunity for employee education and growth. It will enhance our position as an employer of choice for a diverse and best-in-class workforce."

"Express Scripts is the type of company we had in mind when we began developing UMSL's business, technology and research park," says UMSL Chancellor Thomas F. George. "It's a growing company whose needs meld with UMSL's academic strengths and diverse connections to the region."

The UMSL-Express Scripts collaboration expands opportunities to share complementary information technology and research expertise, increase professional development and recruitment opportunities, and aligns two key institutions for the benefit of the greater St. Louis region. * [Read entire story](#)

FDA Won't Regulate 'IRB Shopping'

By Jeffrey Brainard
From [Chronicle of Higher Education](#)
January 27, 2006
Volume 52, Issue 21

The Food and Drug Administration announced last week that it would not regulate "IRB shopping," a practice in which sponsors of clinical trials choose to submit proposed research to institutional review

boards that they believe will approve it. The FDA said it had concluded that such choosiness either does not occur or is not a significant problem.

Many large universities and higher-education groups had criticized the idea of new rules, saying they would bog down institutional review boards in paperwork without providing additional protection for research subjects. But advocates for those research volunteers say the practice, even if it cannot be quantitatively documented, is real and worrisome because it could allow ethically suspect studies to avoid adequate oversight.

Federal rules make the review boards, known as IRB's, responsible for protecting the safety and welfare of volunteers in biomedical and behavioral research regulated by the FDA or financed by the U.S. Department of Health and Human Services.

In 1998 the inspector general of the department, which is the FDA's parent agency, recommended a rule against "IRB shopping." In a report, that office said it had "heard of a few situations where sponsors and/or research investigators who were unhappy with one IRB's reviews switched to another without the new IRB being aware of the other's prior involvement."

The FDA had requested comment in 2002 on whether new rules were needed to control the practice. In particular, the agency was mulling the idea of requiring sponsors of studies regulated by the agency, and academic scientists who performed them, to inform institutional review boards of prior decisions by other review panels.

In an announcement in the January 17 *Federal Register*, the FDA said most of the 55 comments it had received — from pharmaceutical companies, colleges, and other organizations — contended that IRB shopping was not a big problem. *

It May Look Authentic: Here's How to Tell It Isn't

By Nicholas Wade

Excerpted from the New York Times

Published: January 24, 2006

Among the many temptations of the digital age, photo-manipulation has proved particularly troublesome for science, and scientific journals are beginning to respond.

Some journal editors are considering adopting a test, in use at The Journal of Cell Biology, that could have caught the concocted images of the human embryonic stem cells made by Dr. Hwang Woo Suk.

At The Journal of Cell Biology, the test has revealed extensive manipulation of photos. Since 2002, when the test was put in place, 25 percent of all accepted manuscripts have had one or more illustrations that were manipulated in ways that violate the journal's guidelines, said Michael Rossner of Rockefeller University, the executive editor. The editor of the journal, Ira Mellman of Yale, said that most cases were resolved when the authors provided originals. "In 1 percent of the cases we find authors have engaged in fraud," he said.

The two editors recognized the likelihood that images were being improperly manipulated when the journal required all illustrations to be submitted in digital form. While reformatting illustrations submitted in the wrong format, Dr. Rossner realized that some authors had yielded to the temptation of Photoshop's image-changing tools to misrepresent the original data.

In some instances, he found, authors would remove bands from a gel, a test for showing what proteins are present in an experiment. Sometimes a row of bands would be duplicated and presented as the controls for a second experiment. Sometimes the background would be cleaned up, with Photoshop's rubber stamp or clone stamp tool, to make it prettier.

Some authors would change the contrast in an image to eliminate traces of a diagnostic stain that showed up in places where there shouldn't be one. Others would take images of cells from different experiments and assemble them as if all were growing on the same plate.

To prohibit such manipulations, Dr. Rossner and Dr. Mellman published guidelines saying, in effect, that nothing should be done to any part of an illustration that did not affect all other parts equally. In

other words, it is all right to adjust the brightness or color balance of the whole photo, but not to obscure, move or introduce an element.

They started checking illustrations in accepted manuscripts by running them through Photoshop and adjusting the controls to see if new features appeared. This is the check that has shown a quarter of accepted manuscripts violate the journal's guidelines.

In the 1 percent of cases in which the manipulation is deemed fraudulent - a total of 14 papers so far - the paper is rejected. Revoking an accepted manuscript requires the agreement of four of the journal's officials. "In some cases we will even contact the author's institution and say, 'You should look into this because it was not kosher,' " Dr. Mellman said.

He and Dr. Rossner plan to add software tests being developed by Hani Farid, an applied mathematician at Dartmouth. With a grant from the Federal Bureau of Investigation, which is interested in ways of authenticating digital images presented in court, Dr. Farid is devising algorithms to detect alterations.

His work has attracted interest from many people, he said, including eBay customers concerned about the authenticity of images, people answering personal ads, paranormal researchers studying ghostly emanations and science editors. ... * Read entire article:

http://www.nytimes.com/2006/01/24/science/24frau.html?_r=1&emc=eta1

Missouri Arts Council Ends Capital Funding Program

Excerpted from the Foundation Center's PND News
Published January 11, 2006

As a result of state budget cuts, the Missouri Arts Council has cancelled its Capital Incentive program, leaving local arts groups scrambling to make up the shortfall, the *Kansas City Star* reports.

A decade ago, the state legislature began funding the Missouri Arts Council Trust as an endowment for the arts council, contributing up to \$10 million to the fund in personal income taxes paid by non-resident athletes and entertainers. The goal then was to raise \$100 million in ten years, which would have made the council self-sustaining. State lawmakers subsequently established the Capital Incentive program, which allowed participating arts organizations to collect interest from the endowment. Under the plan, the trust would have generated interest for individual arts groups in a 50 percent match to be used for either capital improvements or building an endowment.

But annual disbursements into the trust never approached the \$10 million-a-year target — or the \$100 million overall goal. Four years ago, the state legislature, faced with swelling deficits, reduced the council's budget and the state's payments to the fund; in fact, for three years it put nothing into the fund, and it cancelled the arts council's budget altogether in 2004. Then, this past October, the council cancelled Capital Incentive program contracts with participating groups, thereby freeing them to tap into the principal of the funds they had raised.

...

While the council hopes to boost its annual budget back up to \$5 million or so, the state is looking at a \$200 million deficit of its own in the coming fiscal year. "I know the legislature is facing another shortfall," said Janette Lohman, executive director of Missouri Citizens for the Arts. "They're going to be looking for non-essential items [to cut]. Unfortunately, those of us in the arts community believe the arts are essential." * *Trussell, Robert. "Missouri Arts Council Funds Dry Up." Kansas City Star 1/08/06.*

DED Director Selects Beverly Strohmeyer to Lead Missouri Arts Council

From Missouri Arts Council Release
January 30, 2006

Department of Economic Development Director Greg Steinhoff has named Beverly Strohmeyer, a native Missourian with over two decades of experience in arts administration, as the new executive director of the Missouri Arts Council.

Strohmeyer had been serving as interim executive director of the Missouri Arts Council since December 2004 and as assistant director for programs since June 1999. She will immediately assume

the responsibilities of executive director and maintain her duties and responsibilities over the Arts Council's programs.

Strohmeyer first came to the Missouri Arts Council in 1997, serving in a variety of capacities related to arts in the community, arts education and the prestigious Missouri Arts Awards. She also served as the interim executive director in 2000.

She brings to her new position over 22 years of experience in arts administration, having served as the executive director of the Arts Council of Southeast Missouri in Cape Girardeau. As a former member of the Missouri Arts Council Citizen Advisory Panels, she reviewed Community Arts Program, Touring, and Multidiscipline grants. She also served on the Board of Directors of Missouri Association of Community Arts Agencies.

As executive director of the Missouri Arts Council, Strohmeyer will serve on the board of directors of Mid-America Arts Alliance, a nonprofit organization that supports and stimulates cultural activity in a six-state region including Arkansas Kansas Missouri Nebraska Oklahoma and Texas.

The Missouri Arts Council, the state's grantmaking agency for the arts, provides nearly \$3 million in assistance to nonprofit organizations throughout Missouri. As division of the Missouri Department of Economic Development, the Missouri Arts Council is the second oldest, state-funded arts agency in the country. It was established in 1965 to encourage and stimulate the growth, development and appreciation of the arts in Missouri. The Missouri Arts Council board consists of 15 volunteer citizens from across the state who are appointed by the DED director. The board meets regularly to provide direction in policy making and programmatic oversight. *

Missouri Judge Upholds Stem Cell Ballot Measure

Excerpted from the Kansas City Star

By Alan Scher Zagier

Associated Press

Published: January 19, 2006

JEFFERSON CITY, Mo. – A Cole County judge on Thursday upheld the language of a ballot proposal to protect stem cell research and treatments in Missouri, rejecting a claim that the measure's stated ban on human cloning is misleading.

Supporters of the proposed constitutional amendment, who have already raised more than \$4 million toward the effort, immediately said they would start gathering the petition signatures needed to get it on the November ballot.

The ballot measure, entitled the Missouri Stem Cell Research and Cures Initiative, includes language that would "ban human cloning."

But opponents, including a University of Utah neurobiologist and the Roman Catholic bishop for Kansas City, argued in court that the title and ballot language are deceptive for failing to classify a certain form of stem cell research, known as somatic cell nuclear transfer, as the scientific equivalent of human cloning.

Those challenging the ballot language had suggested that Cole County Senior Judge Byron Kinder rewrite it. But the judge instead upheld the wording, ruling swiftly from the bench at the hearing's conclusion.

"I have read this ballot initiative over and over again," Kinder said after presiding over several hours of testimony. "Most of what I heard today goes to the issue of what you have to convince voters. The ballot title is sufficient and fair and the language is neutral."

Supporters of the ballot measure now must gather at least 145,000 petition signatures, coming from six of the state's nine congressional districts, to qualify the measure for a statewide vote.

"We'll print the petitions as soon as we can," said Donn Rubin, chairman of the Missouri Coalition for Lifesaving Cures. "It's time to get on and get signatures." ... * Read complete article: <http://www.kansascity.com/mld/kansascity/news/local/13663900.htm>

Becton Dickinson Studies Stem Cell Market

By Ben Hirschler

REUTERS

Published: January 25, 2006

DAVOS, Switzerland – U.S. medical products company Becton Dickinson and Co. has started to explore the commercial potential of stem cells as a treatment for diabetes, its chief executive said on Wednesday.

The firm, which already sells systems for testing and sorting cells to research and diagnostic laboratories, could be in a strong position to supply therapeutic stem cells, if the controversial technology lives up to scientific hopes.

"We have begun looking at the use of cells as therapeutic devices," Edward Ludwig told Reuters on the sidelines of the World Economic Forum meeting in Davos.

"This is still very long term – it is not something that is going to happen tomorrow. We're still working in the area I would call bench-level feasibility."

Scientists say stem cells could transform both medicine and basic biological research, offering the potential for tailored tissue and organ transplants and new understandings of disease.

Many believe there could be several sources, including those cells taken from days-old human embryos. But some people oppose the use of embryonic stem cells, saying a human life must be destroyed to grow the cells.

Ludwig said Becton Dickinson's work on diabetes currently only involved adult stem cells.

Surgeons, using so-called islet cells harvested from the pancreas of deceased donors, are able to reverse diabetes in insulin-dependent patients by transplants.

But supplies of cells are severely limited and transplant patients need to receive immuno-suppressant drugs, which can cause complications. Using stem cells – rather than cadavers – as a future source could solve these issues.

Islets are clusters of cells in the pancreas that produce insulin, which regulates blood sugar levels.

Ludwig said it was too early to determine how any future stem cell treatment would be commercialized or whether Becton Dickinson would seek to work with other pharmaceutical or biotech companies.

"Whether we would sell this on our own as a therapeutic or whether we would partner it with someone, that is a business problem that we will solve after we have solved the scientific problem," he said.

Ludwig declined to comment on Becton Dickinson's financial prospects, ahead of the release of quarterly earnings figures on Thursday. *

Missouri Research Park Receives Community Development Award

From St. Louis Business Journal

Published: December 27, 2005

The Missouri Research Park recently received the 2005 Excellence in Community Development award from Progress 64 West, the group announced (Dec. 27, 2005).

Progress 64 West is a business/civic membership organization focused on regional transportation, infrastructure and development issues.

"The honorees have contributed favorably on a regional level, affecting the lives of families in St. Louis and St. Charles counties," said Patrick Flynn, president, Progress 64 West, in a statement.

Missouri Research Park, owned by the University of Missouri, is at Highways 40 and 94, is the first business park in the St. Louis region to market exclusively to technology-intensive and research-based companies, according to the statement.

Fifteen companies and three government facilities are tenants in the business park. *

A New DOE Emphasis on Technology Transfer

By Michael Coleman

Excerpted from TechComm: The National Journal of Technology Commercialization

December 2005-January 2006 Issue

When President Bush signed a major new energy bill last summer, cutting-edge entrepreneurs took notice of language in the law that aimed to improve the way the Department of Energy does business with the private sector. For starters, the Energy Policy Act directed the DOE to hire a technology transfer coordinator. The person who eventually fills this new position will have no other job except helping the DOE bring its vast scientific research into the marketplace, where it can help create jobs and boost the American economy.

"Technology Transfer Coordinator" is not -- according to the law and those who wrote it -- supposed to be an extra title given to an already over-burdened bureaucrat.

The new law also calls for the establishment of Advanced Energy Technology Transfer Centers to be located around the country in places that the Energy Secretary deems most promising. Best of all, the new law allocates a budget to pay for the newly ambitious approach to tech transfer.

...

One key tech transfer initiative that Congress has already made a major down payment on is the establishment of a National Nanotechnology Enterprise Development Center at the Center for Integrated Nanotechnology (CINT), a joint Sandia and Los Alamos venture being built at Kirtland Air Force Base in Albuquerque. The center will eventually support the transfer of technology out of five DOE nanotechnology centers. ... *

New Model for Tech Transfer

By Scott Jaschik

Excerpted from Inside Higher Ed

Published: December 22, 2005

Every university longs to have the next mega-deal on patent rights or royalties for a product or service based on an idea hatched in academe. Stanford University earned \$336 million this year on the sale of Google stock it held because it allowed the company's founders to use technology on which the university holds patent rights. Gatorade was developed at the University of Florida and has enriched that institution with royalties that are legendary.

But there is a flip side to technology transfer too the hundreds of millions of dollars that are paid in royalties each year tend to go to a relatively small number of institutions, while many universities spend months (and rack up huge legal bills) negotiating intellectual property deals that are never more than theoretical, since big profits never come in.

This week, some leading research universities and companies are endorsing a new model for tech transfer in the IT industry in which an "open source" approach will remove the need to negotiate over patent rights, but in which universities will seek financial support from companies in ways other than patent royalties.

...

"Any experiment like this, that promotes new ways of cooperating and gets people talking, is a very good thing," said W. Mark Crowell, president of the Association of University Technology Managers and associate vice chancellor for economic development and technology transfer at the University of North Carolina at Chapel Hill. "Things that lower barriers, and that speed the time to market, are very good things. * Read complete article: <http://insidehighered.com/news/2005/12/22/open>

(Outsourcing R&D) Lilly's Labs Go Global

To cut costs and speed development, the drugmaker steps up R&D outsourcing -- including clinical trials -- to countries such as India and China

Excerpted from [BusinessWeek Online](#)

Issue Dated: January 30, 2006

Across the nation, so-called teaching hospitals have teamed up with Eli Lilly (**LLY**) to find out, in experiments on volunteer patients, whether its newest drugs are safe and effective. Increasingly, Lilly is moving its research and development, including clinical trials, to China, India, and the former Soviet bloc. The reason: It's much, much cheaper to do this work in these nations, and Lilly considers the work itself to be as good as in the U.S. or Western Europe.

Lilly isn't the only member of Big Pharma relocating R&D operations to the developing world. Industry titan Pfizer (**PFE**) is testing drugs in Russia, while AstraZeneca (**AZN**) has been conducting clinical trials in China. But Lilly seems to be ahead of many of its peers. "If all of Lilly's plans jell, they would be very forward-looking," says Stephen DeCherney, president of global clinical research for Quintiles Transnational, which conducts drug trials on behalf of pharmaceutical and biotech outfits.

COSTLY DEVELOPMENT. In general, Lilly also seems to get more from its labs. The Indianapolis-based drugmaker is renowned for its product pipeline. In the last five years, it has introduced eight drugs in the U.S. -- more than even some of its larger rivals -- and its execs say Lilly should be able to keep up that pace at least for the next several years.

Still, Lilly's profits aren't as phenomenal as they had been. The company estimates it earned \$2.1 billion in 2005 on sales of \$14.5 billion. While sales would be a record, it made more money every year from 2000 to 2003. Like other drugmakers, Lilly is getting squeezed by the rising cost of developing drugs. Company executives now put that cost at \$1.1 billion per drug, including expenses on all the products that don't make it to the market. And they say this price tag looks likely to hit \$1.5 billion in 2010. Lilly execs have set a goal of lowering that tab to \$800 million instead. This is where India and China come in.

Chairman and CEO Sidney Taurel says Lilly today is doing 20% of its chemistry work in China, where he says costs are one-quarter that in the U.S. or Western Europe. Lilly helped start a lab in Shanghai in 2003, a year after industry pioneer Novo Nordisk (**NVO**) opened a small research facility in Beijing. The startup, Chem-Explorer, works exclusively for Lilly and has a staff of 230 chemists today, of which 20% to 25% have PhDs.

"FUNDAMENTALLY UNSUSTAINABLE." Now, Lilly is expanding its R&D efforts to include clinical trials. These are the late-stage experiments to prove a drug can be used on humans. Typically, in the last phase of testing, a large sample of prescreened people with a disease or condition is given a drug over 12 months and carefully monitored by physicians and researchers to see how the drug performs against either a placebo or an existing product.

The tests are enormously expensive. Lilly estimates that each Phase III test costs at least \$50 million a year. In fact, Lilly is spending more than \$300 million right now to test an anticlotting pill, prasugrel, for heart patients.

"Those kinds of costs," says Dr. Steven Paul, Lilly's executive vice-president of science and technology, "are fundamentally unsustainable. There are multiple levers we have to pull, and one of them is cost. And one of the ways of doing that is doing some of these studies where the quality of the data generated is very high -- China, India, and Eastern Europe, the old Soviet bloc nations -- and the costs are low."

What about concerns that Lilly's experimental drugs will be ripped off during these trials in India or China, where intellectual property isn't often respected and counterfeit drugs are common? John Lechleiter, Lilly's president and chief operating officer, says Lilly has not had this problem in clinical trials. The more these two countries develop, he adds, the less concerned management is. ... *

Professor Sued for Revealing Data

By Katherine S. Mangan

From [Chronicle of Higher Education](#)

January 27, 2006
Volume 52, Issue 21

A biotechnology company has sued a professor formerly of the University of Connecticut, asserting that he had violated a confidentiality agreement and disclosed trade secrets while discussing his work on a compound that could prevent bacteria from becoming resistant to antibiotics.

The professor, Thomas K. Wood, is embroiled in a patent dispute with the company, Sequoia Sciences Inc., over who should be listed as inventors of the compound, a "biofilm inhibitor." While at the University of Connecticut, Mr. Wood was the lead investigator working with Sequoia to test the ability of various compounds to prevent a film from developing over bacteria. That film prevents antibiotics from working. The company, based in San Diego, argues that Mr. Wood was only testing a compound that Sequoia had discovered, and it has refused to consider him as a co-inventor on a potentially lucrative patent.

Mr. Wood moved to Texas A&M University at College Station in September. Because of the litigation over the confidentiality agreement, which is pending in U.S. District Court in Connecticut, he referred questions to his lawyer, a Texas assistant attorney general who is representing him because he is now an employee of a state college there.

The lawyer, Robert Henneke, argued in a legal brief that the disclosure was "inadvertent and an oversight," and that there was no evidence that it had harmed Sequoia.

In June, Sequoia and the University of Connecticut signed a confidentiality agreement not to disclose the compound's identity until March 2006. In its lawsuit, Sequoia says Mr. Wood violated that agreement during a presentation last July at a conference of the International Union of Microbiological Societies, in San Francisco. The brief says he disclosed the name of the compound in a footnote to a paper he presented there.

The brief also says Sequoia had given Mr. Wood oral permission to "openly discuss the name, identity, and structure" of the compound in February 2005 because many scientists were already familiar with it.

The company's lawyer, Robert L. Rispoli, said no such permission was granted. A company would not typically be aware of a footnote in a paper presentation but, according to the lawsuit, Sequoia executives had sent a private investigator to the conference because they were worried that Mr. Wood would divulge confidential information.

Sequoia officials argue that Mr. Wood was maliciously divulging secret information because he was upset at being cut out of a patent.

Mr. Henneke argued that the initial research agreements were between Sequoia and the University of Connecticut, so Mr. Wood should not have been sued in the first place. Officials at the University of Connecticut said they do not discuss pending litigation. *

Study: St. Louis Ranks No. 22 for Small Business Climate

From St. Louis Business Journal

Published: January 23, 2006

St. Louis ranks No. 22 among the nation's 50 largest metropolitan areas for the strength of its support for small businesses, according to statistics released Monday by American City Business Journals, parent of the St. Louis Business Journal.

ACBJ evaluated 12 factors in compiling the rankings, including growth rates of population, nonfarm employment, per capita personal income and gross state product. The complete study is available [here](#).

Miami-Fort Lauderdale ranks No. 1, followed by Las Vegas; Orlando, Fla.; Minneapolis-St. Paul; Seattle; Denver; Providence, R.I.; San Diego; Jacksonville, Fla.; and New York City.

New Orleans ranks No. 41, followed by Rochester, N.Y.; Dallas-Fort Worth; Birmingham, Ala.; Buffalo, N.Y.; Detroit; San Antonio; Cincinnati; San Jose, Calif.; and Memphis at No. 50. *

Supreme Court Declines to Review RIM Patent Ruling

The fight could lead to a shutdown of BlackBerry sales and service in the U.S.

News Story by REUTERS

Published: January 23, 2006

The U.S. Supreme Court today turned down a request to review a major patent infringement ruling against the maker of the BlackBerry e-mail device.

The high court rejected a petition by Research In Motion Ltd. to review a federal appeals court ruling that could lead to a shutdown of most U.S. BlackBerry sales and service.

RIM's share price was down 3.21% at \$64.48 in morning trading on Nasdaq, having fallen by as much as 5.66% immediately after the ruling.

On Oct. 26, Chief Justice John Roberts turned down a request by RIM to stay the lower court's patent infringement ruling while the high court considered whether to hear a RIM appeal.

The case goes back to 2002, when patent-holder NTP Inc. successfully sued RIM in a lower court. It won an injunction in 2003 to halt U.S. sales of the BlackBerry and shut down its service, although that ruling was stayed pending appeal.

The appeals court scaled back the initial ruling but still concluded that RIM infringed on NTP patents.

RIM and NTP reached a tentative \$450 million settlement on the dispute in March, but the deal fell apart in June. RIM wants the lower court to enforce the agreement.

NTP has asked the trial judge in U.S. District Court for the Eastern District of Virginia to confirm the injunction. It has said an injunction would not affect BlackBerry products used by U.S. federal, state or local governments. * Links to additional coverage:

<http://computerworld.com/news/special/pages/0,10911,3886,00.html>

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