

# Spirit of INNOVATION

Research, Creativity and Commercialization News

OFFICE OF RESEARCH ADMINISTRATION NEWSLETTER June 2006 (Volume V, No. 12)

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

## RECENT AWARDS

### EXTERNALLY FUNDED AWARDS, APRIL 2006

**Sonya Bahar**, Physics and Astronomy, awarded \$120,667 for "CAREER: From Imaging Collective Dynamics in the Cortex to Teaching Interdisciplinary Science" by the National Science Foundation. (\*5-year grant ending in 2011, total of \$582,241)

**Alexei Demchenko**, Chemistry, awarded \$226,500 for "New Methods and Strategies for Oligosaccharide Synthesis " by the National Institute of General Medicine. (\*2-year grant ending in 2008, total of \$226,500)

**Erika Gibb**, Physics and Astronomy, awarded \$224,871 for "Characterizing Volatile Composition in Preplanetary Disks" by the National Science Foundation. (\*3-year grant ending in 2008, total of \$224,871)

**Harold Harris, Charles Granger, Wendy Saul and Patricia Simmons**, Chemistry, Teaching & Learning, Biology and Center for International Studies, awarded \$182,781 for "Science Knowledge through Inquiry Learning & Literacy Skill" by the Missouri Department of Higher Education. (\*2-year grant ending in 2007, total of \$364,676)

**Martin Pelikan**, Mathematics & Computer Science, awarded \$400,000 for "Design and Application of Scalable Hierarchical Optimization Algorithms for Optimization Programs, Vectors, Rules and Schedules" by the National Science Foundation. (\*5-year grant ending in 2011, total of \$400,000)

**Robert Ricklefs**, Biology, awarded \$141,653 for "Community Relationships of Malaria Parasites and their Avian Hosts" by the National Science Foundation. (\*3-year grant ending in 2009, total of \$399,999)

**Charles Schmitz and Gregory Aubuchon**, Dean's Office-College of Education, awarded \$100,000 for "LEMA FY2006" by the St. Louis City. (\*1-year grant ending in 2007, total of \$100,000)

**Keith Stine and Alexei Demchenko**, Chemistry, awarded \$213,494 for "STICS: Surface-Tethered Iterative Carbohydrate Synthesis" by the National Institute of General Medicine. (\*2-year grant ending in 2008, total of \$399,382)

**Teresa Thiel**, Biology, awarded \$115,000 for "Genetic Analysis of Nitrogen Fixation in *A. variabilis*" by the National Science Foundation. (\*3-year grant ending in 2007, total of \$345,000)

**Total: \$1,724,966**

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

## UM RESEARCH BOARD AWARDS, SPRING 2006

### UM-ST. LOUIS AWARDEES

**Thomas Fletcher**, Psychology, awarded \$12,000 for "Development of a Measure of Competitive Climate."

**Erika Gibb**, Physics and Astronomy, awarded \$26,000 for "Volatiles Toward Low Mass Young Stars."

**Baorong Guo**, School of Social Work, awarded \$6,000 for "Food Insecurity & Household Assets in Low-Income Families."

**Sharon Johnson**, School of Social Work, awarded \$12,000 for "The Father Factor in Research with Adolescents."

**Lisa Schechter**, Biology, awarded \$39,000 for "Regulation of Pseudomonas Syringae Type III Secretion."

**Mary Troy**, English, awarded \$10,000 for "Short Story Collection Number 4."

**Kamila White**, Psychology, awarded \$29,000 for "Comorbid Anxiety and Non-CAD Chest Pain."

**Richard Wright**, Criminology & Criminal Justice, awarded \$18,437 for "Auto Thieves on Auto Theft."

**Bethany Zolman**, Biology, awarded \$31,000 for "Identifying IBR3-Interacting Proteins in Arabidopsis."

**Total: \$183,437**

### SYSTEM REPORT OF RESEARCH BOARD AWARDS

Campus	\$ Requested	\$ Awarded	% Request	% Award
UMC	884,005	543,732	53.62%	53.01%
UMKC	145,560	90,840	8.83%	8.86%
UMR	350,364	207,738	21.25%	20.25%
UMSL	268,789	183,437	16.30%	17.88%
<b>Grand Total</b>	<b>1,648,718</b>	<b>1,025,747</b>	<b>100.00%</b>	<b>100.00%</b>

Subcommittee	Requested	Awarded	% Request	%Award
ENGR	396,741	254,321	24.06%	24.79%
HUMFI	225,291	96,157	13.66%	9.37%
LIFES	501,631	397,048	30.43%	38.71%
PHYSC	189,425	101,084	11.49%	9.86%
SOCBE	335,630	177,137	20.36%	17.27%
<b>Grand Total</b>	<b>1,648,718</b>	<b>1,025,747</b>	<b>100.00%</b>	<b>100.00%</b>

Subcommittee	Campus	\$ Requested	\$ Awarded
ENGR		396,741	254,321
	UMC	165,047	113,450
	UMR	231,694	140,871
HUMFI		225,291	96,157
	UMC	141,351	44,790
	UMKC	40,610	23,000
	UMR	28,330	18,367
	UMSL	15,000	10,000
LIFES		501,631	397,048
	UMC	360,881	281,208
	UMKC	49,950	45,840
	UMSL	90,800	70,000

<b>PHYSC</b>		<b>189,425</b>	<b>101,084</b>
	<i>UMC</i>	51,045	19,584
	<i>UMKC</i>	19,500	13,500
	<i>UMR</i>	72,440	42,000
	<i>UMSL</i>	<b>46,440</b>	<b>26,000</b>
<b>SOCBE</b>		<b>335,630</b>	<b>177,137</b>
	<i>UMC</i>	165,681	84,700
	<i>UMKC</i>	35,500	8,500
	<i>UMR</i>	17,900	6,500
	<i>UMSL</i>	<b>116,549</b>	<b>77,437</b>
<b>Grand Total</b>		<b>1,648,718</b>	<b>1,025,747</b>

## FUNDING OPPORTUNITIES

### **NEW ANNOUNCEMENTS: Government Agencies**

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

- Aquaculture & Fisheries Collaborative Research Support Program (CRSP) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9636>
- ARMM HEALTH PROGRAM Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9225>
- Assets and Market Access(AMA) Collaborative Research Support Program(CRSP) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9467>
- Community Participation and Regional Advocacy Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9239>
- Education for Marginalized Children in Kenya Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9438>
- Extension of Tanzania National Voucher Scheme Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9230>
- FY2007 APS Statement of Intent Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9655>
- Health Promotion and Communication Program Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9215>
- Health Sector Development Program - Local Government Unit (LGU) Systems Strengthening Component Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9214>
- HIV/AIDS Program in India <http://www.grants.gov/search/search.do?mode=VIEW&oppId=7519>
- HIV-AIDS Prevention, Care and Treatment (Vietnam) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9268>
- Improving Livelihoods in the Earthquake Affected Areas of Pakistan Modification 4  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=8579>
- Integrated Social Marketing and HIV/AIDS Prevention Program (PRIMASIDA) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9446>
- Niger Youth Employment Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9387>
- Promoting Transparency and Accountability in Ghana Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9423>
- Supporting Licit Communities Activity Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9209>
- Sustaining Partnerships to enhance Rural Enterprise and Agribusiness Development" (SPREAD) project in Rwanda Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9260>
- USAID/SUDAN People-to-People Peace Building for Southern Sudan Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9657>
- USAID-DRC-CARPE Landscape Program Implementation 2006-2011 Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9297>

### Department of Agriculture (USDA)

- Research on the Economic Impact of Cooperatives Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9433>
- Youth Farm Safety Education and Certification Program  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=8031>

### Department of Commerce (DOC)

- Climate Program Office for FY 2007 Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9283>

### Department of Defense (DOD)

- BAA for Army Corrosion Office, Picatinny Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9249>
- Center for Laser Research and Laser Communication (CLRLC)  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9373>
- Combating Weapons of Mass Destruction Broad Agency Announcement Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9478>
- Global Response and Synchronization Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9317>
- Information Theory for Mobile Ad-Hoc Networks (ITMANET)  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9511>
- Information Theory for Mobile Ad-Hoc Networks for Young Investigators Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9535>
- Materials World Modules Outreach Program - Nationwide  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9234>
- Precision Navigation and Marking in Mined Environments  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=8776>
- Prevention of HIV/AIDS in foreign militaries Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9390>

### Department of Education (ED)

- Charter School Program--National Activities (84.282N)  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9501>
- FUND FOR THE IMPROVEMENT OF POSTSECONDARY EDUCATION EUROPEAN UNION-UNITED STATES ATLANTIS PROGRAM <http://www.ed.gov/programs/fipseec/>
- National Data and Statistical Center for the Spinal Cord Injury Model Systems Program (84.133A-14) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=9254>
- National Data and Statistical Center for the Traumatic Brain Injury Model Systems Program (84.133A-3) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=9252>
- National Early Childhood Technical Assistance Center (84.326H) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9257>
- Strengthening Institutions Program (84.031A) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9568>
- Technology and Media Services for Individuals with Disabilities Program Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9318>

### Department of Energy (DOE)

- Area of Interest 1- INSTRUMENTATION, SENSORS, AND CONTROL SYSTEMS Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9484>
- Area of Interest 1: LED Internal Quantum Efficiency Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9474>
- Area of Interest 2- (2) MATERIALS - COMPUTATIONAL METHODOLOGIES TO DESIGN, ENGINEER, AND EVALUATE MATERIALS FOR FOSSIL ENERGY APPLICATIONS Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9485>
- Area of Interest 2: LED Extraction Efficiency: Device approaches, structures, and systems and strategies for improved light extraction Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9475>
- Area of Interest 3- COMPUTATIONAL ENERGY SCIENCES: DEVELOPMENT OF MULTI-PHASE FLOW MODELING FOR POLYDISPERSED SYSTEMS AND UNCERTAINTY ANALYSIS FOR ADVANCED POWER PLANTS AND WATER MANAGEMENT SYSTEMS <http://www.grants.gov/search/search.do?mode=VIEW&oppId=9486>
- Area of Interest 3: OLED Materials Research - High efficiency, low voltage, stable materials Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=9476>

- Area of Interest 4: OLED Approaches to OLED structures between the electrodes for improved performance low-cost white-light devices Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9477>
- Collaborative Energy Efficiency Research in Iron-Making and Steel-Making Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9463>
- Nuclear Energy Research Initiative Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9366>
- Usefulness of a pilot scale facility for conversion of lignocellulosic biomass to fungible fuels and co-products Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=9521>

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

### Administration for Children and Families

- Assets for Independence Demonstration Program Modification 6  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=505>
- Community Awareness and Outreach Campaign Projects for the Prevention of Family Violence  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9421>
- Compassion Capital Fund (CCF) Demonstration Program Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9622>
- Compassion Capital Fund Communities Empowering Youth Program Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9587>
- CSBG T&TA Promoting Healthy Marriages Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9577>
- Head Start Graduate Student Research Grants Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9514>
- Healthy Marriage Demonstration Grants Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9557>
- National Healthy Marriage Resource Center Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9555>
- National Resource Center for Programs Serving Abandoned Infants and Infants at Risk of Abandonment and their Families Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=9666>
- Promoting Responsible Fatherhood Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9578>
- Responsible Fatherhood and Healthy Marriage Research Initiative Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9579>
- Secondary Analysis of Data from the National Survey of Child and Adolescent Well-Being (NSCAW) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=9397>

### Agency for Healthcare Research and Quality

- AHRQ Grant Program for Large Conference Support (R13) and (U13) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9264>
- AHRQ Individual Awards for Postdoctoral Fellows (F32) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9473>

### Centers for Disease Control and Prevention

- Avian Influenza Cooperative Research Centers –Studies at the Human-Animal Interface Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9212>
- Childhood Agricultural Safety and Health Research Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9379>
- Commercial Truck Driver Health and Safety - Preventing Injury and Illness Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9367>
- Diabetes Prevention and Control in the Americas Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9363>
- NIOSH Exploratory and/or Developmental Grant Program(R21) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9515>
- NIOSH Small Research Grant Program (R03) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9470>
- Packaging Proven HIV Behavioral Interventions for Use with Underserved and Emergent High-Risk Populations (REP 8) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=9551>

### Centers for Medicare & Medicaid Services

- Hispanic Health Services Research Grant Program Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9445>

## Health Resources & Services Administration

- Epidemiological MCH/SPH Institute <http://www.grants.gov/search/search.do?mode=VIEW&oppId=9516>
- Partners in Program Planning for Adolescent Health  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9424>
- Public Health Traineeship <http://www.grants.gov/search/search.do?mode=VIEW&oppId=9483>
- Telehealth Resource Center Grant Program Modification 5  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9648>

## National Institutes of Health

- Application of Emerging Technologies for Cancer Research: (R21) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9303>; (R21/R33) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9305>; (R33) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9304>
- Basic and Preclinical Research on Complementary and Alternative Medicine (CAM) [R01]  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9660>
- Basic and Translational Research in Emotion (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9272>
- Basic and Translational Research Opportunities in the Social Neuroscience of Mental Health (R01) [SF424 (R and R)] Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9352>
- Bioengineering Research Grants (BRG) [R01] Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9550>
- Brain Disorders in the Developing World: Research Across the Lifespan (R21) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9556>
- Brain Disorders in the Developing World: Research Across the Lifespan  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=3270>
- CAM at Minority or Health Disparities Research Centers (R21) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9237>
- Cancer Prevention, Control, Behavioral, and Population Sciences Career Development Award (K07) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=9281>
- Cancer Surveillance Using Health Claims-Based Data: (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9332>; (R21) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9338>
- CF Research and Translation Core Centers (P30) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9319>
- Circulating Cells in Cancer Detection (R21) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9563>
- CIRCULATING CELLS IN CANCER DETECTION  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=3045>
- Clinical Nutrition Research Unit Core Centers (P30) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9542>
- Clinical Research on Mental Illnesses in Older Adults (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9564>
- Collaborative Studies on Lung Stem Cell Biology and Cell Based Therapy (R01)  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9222>
- Commercial Truck Driver Health and Safety- Preventing Injury and Illness Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9321>
- Complementary and Alternative Medicine for Substance and Alcohol Related Disorders: (R03) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9574>; (R21) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9575>
- Computational Modeling for Heart, Lung, Blood, and Sleep Biologists: Introductory Courses (T15) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=9263>
- Cooperative Research Partnerships for Influenza Product Development (U01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9442>
- Developmental Projects in Complementary Approaches to Cancer Care (R21) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9405>
- Diet, Epigenetic Events, and Cancer Prevention: (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9539>; (R03) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9541>; (R21) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9540>
- Directed Stem Cell Differentiation for Cell-Based Therapies for Heart, Lung, and Blood, and Aging Diseases (R21) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9451>

- Early Identification and Treatment of Mental Disorders in Children and Adolescents (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9684>
- Elucidating Nature's Solutions to Heart, Lung, and Blood Diseases and Sleep Disorder Processes (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9275>
- Exploratory Innovations in Biomedical Computational Science and Technology (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9509>
- Exploratory/Developmental Bioengineering Research Grants (EBRG) [R21] Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9546>
- Faculty Development: Integrated Technology into Nursing Education & Practice Initiative <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9650>
- George M. O'Brien Kidney Research Core Centers (P30) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9322>
- Global Research Initiative Program, Basic/Biomedical Sciences (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9365>
- High-Accuracy Protein Structure Modeling (R01) <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9277>
- HIV Proteins and Their Cellular Binding Partners (R21/R33) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9353>
- Implicating Noncoding RNAs in the Genetics of Mental Disorders: (Collaborative R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9447>; (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9444>
- In vivo Cancer Imaging Exploratory/Developmental Grants (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9231>
- In Vivo Cellular and Molecular Imaging Centers (ICMICs)[P50] Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9416>
- Innovations in Biomedical Computational Science and Technology (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9520>
- Innovations in Cancer Sample Preparation: (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9306>; (R21/R33) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9308>; (R33) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9307>
- Innovative Technologies for Molecular Analysis of Cancer: (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9301>; (R33) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9302>
- Integrating Lung Genetics and Genomics in Human Populations (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9221>
- International Research Collaboration Basic Biomedical (FIRCA-BB) [R03] Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9662>
- International Research Collaboration Behavioral, Social Sciences (FIRCA-BSS) [R03] Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9678>
- International Tobacco and Health Research and Capacity Building Program (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9403>
- Interventions And Practice Research Infrastructure Program (IP-RISP) (R24) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9681>
- Neurodevelopment and Neuroendocrine Signaling in Adolescence: Relevance to Mental Health (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9585>
- Neurological Emergencies Treatment Trials (NETT) Network Clinical Site Hubs (U10) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9259>
- Neurological Emergencies Treatment Trials (NETT) Network Statistical and Data Management Center (U01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9256>
- New Models of Pain Relevant to the Trigeminal System (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9558>
- New Technologies for Liver Disease SBIR (R43/R44) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9411>; STTR (R41/R42) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9410>
- NIAID Clinical Trial Planning (R34) Grants <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9320>
- NIAMS Small Grant Program For New Investigators (R03) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9295>
- NIDCR Small Research Grants for Data Analysis and Statistical Methodology (R03) <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8330>
- Non-Human Primate Islet/Kidney Transplantation Tolerance (U01, U19) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9437>

- Novel Technologies For In Vivo Imaging (R21/R33) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9400>; (R33) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9401>
- Novel Tools for Investigating Brain-derived GPCRs in Mental Health Research: (STTR [R41/R42]) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9255>; (SBIR [R43/R44]) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9266>
- Pharmacogenetics of Fluoride (R21) Grant (PAR-06-421)  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9559>
- Pharmacogenetics of Fluoride (R21) Grant (PAR-06-215)  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=8328>
- Phase II Developmental Research in Cancer Prognosis and Prediction (R33) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9627>
- Phased Innovation Research in Cancer Prognosis and Prediction (R21/R33) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9626>
- Pilot and Feasibility Clinical Research Grants in Diabetes, Endocrine and Metabolic Diseases (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9364>
- Probiotics for Pediatric Illnesses (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9584>
- Proteomics in Auditory Developmental and Disease Processes (R21) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9229>
- Public Health Conference Support Program Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9381>
- Research Centers of Excellence in Pediatric Nephrology (P50) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9342>
- Research On Autism And Autism Spectrum Disorders: (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9359>; (R03) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9356>; (R21) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9358>
- Research on Community Reintegration for People with Psychiatric Disabilities (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9581>
- Research on Ethical Issues In Human Subjects Research: (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9220>; (R03) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9218>; (R21) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9219>
- Research on Psychopathology In Intellectual Disabilities (Mental Retardation) [R01] Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9624>
- Ruth L. Kirschstein National Research Service Awards (NRSA) for Individual Postdoctoral Fellows (F32) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9250>
- SBIR E-learning for HAZMAT and Emergency Response (SBIR [R43/R44]) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9513>
- School-based Interventions to Prevent Obesity: (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9615>; (R03) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9616>; (R21) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9614>
- Shared Neurobiology of Fragile X Syndrome and Autism: (R03) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9634>; (R21) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9635>
- Silvio O. Conte Digestive Diseases Research Core Centers (P30) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9572>
- Strengthening Development of Applied Epidemiological Training Programs in Africa Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9382>
- Structural Analyses of the Ligand-Binding Properties of Taste and Smell Receptors (R21) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9402>
- Studies of Energy Balance and Cancer in Humans: (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9414>; (R21) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9415>
- The Influence of Religiosity and Spirituality on Health Risk Behaviors in Children and Adolescents: (R21) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9404>; (R01) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9406>; (R03) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9408>

- Therapeutics Development for HIV/AIDS-Associated Neuropsychological Disorders: (STTR[R41/R42]) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=9602>; (SBIR[R43/R44]) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=9604>
- Women's Mental Health in Pregnancy and the Postpartum Period: (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=9258>; (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=9261>

#### Office of Public Health and Science

- Mentoring Partnership Program Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=9654>
- Prevention for HIV Infected Women Living in Puerto Rico; and HIV Prevention for Women Living in the U.S. Virgin Islands <http://www.grants.gov/search/search.do?mode=VIEW&oppId=9355>
- Prevention of HIV/AIDS for Native/American Indian and Alaska Native Women Living in Rural and Frontier Indian Country Program Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=9360>
- Youth Empowerment Demonstration Grant Program Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=9506>

#### Department of Justice (USDOJ)

- Bureau of Justice Assistance, 2006 Survey of Law Enforcement Gang Unit <http://www.grants.gov/search/search.do?mode=VIEW&oppId=9238>
- Bureau of Justice Statistics, 2006 Survey of Law Enforcement Gang Unit Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=9238>
- NIJ FY06 Social Science Research on the Role and Impact of Forensic Evidence on the Criminal Justice Process <http://www.grants.gov/search/search.do?mode=VIEW&oppId=9279>
- NIJ FY07 Graduate Research Fellowship 2007 Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=9287>
- OJJDP FY 2006 Field Initiated Research and Evaluation Program <http://www.grants.gov/search/search.do?mode=VIEW&oppId=9298>

#### Department of Labor (DOL)

- Combating Exploitative Child Labor Through Education in Egypt, Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=9680>
- Disability Case Study Research Consortium on Employer Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=9436>
- Self-Employment for Adults and Youth With Disabilities Research Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=9599>

#### Department of State (DOS)

- Exchange Program for School Principals from Bolivia, Ecuador and Venezuela Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=9290>
- Professional Development Program for Indian and Pakistani Teachers Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=9289>
- Regional Educational Advising Coordinator Program Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=9594>
- U.S.-Russia Language, Technology, Math, and Sciences (LTMS) Teacher Program Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=9345>
- U.S.-French Teachers-in-Training Program Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=9288>
- Youth Ambassadors 2007 Modification 3 <http://www.grants.gov/search/search.do?mode=VIEW&oppId=9376>

#### Department of the Interior (DOI)

- Calaveras River Fisheries and Flow Studies Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=9647>
- Lower Butte Creek Project Facilitation/Coordination: Phase III Development of the East Side Sutter Bypass Fisheries Restoration Plan <http://www.grants.gov/search/search.do?mode=VIEW&oppId=9644>
- Rotary Screw Trapping and Coded-wire Tagging on the Stanislaus River <http://www.grants.gov/search/search.do?mode=VIEW&oppId=9658>

#### Department of the Treasury (TREAS)

- LOW INCOME TAXPAYER CLINIC (LITC) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=9378>

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

- Safety Data Improvement Program Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9638>
- University Transportation Centers Program: Regional UTCs  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=8535>

### **Election Assistance Commission (USEAC)**

- Help America Vote College Program Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9462>

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

- 2006 Indoor Air Quality Projects in Region 7 Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9228>
- 2006 RESOURCE CONSERVATION CHALLENGE GRANT PROGRAM Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9350>
- CONSUMER EDUCATION ABOUT REDUCING GREENHOUSE GAS EMISSIONS THROUGH AWARENESS AND USE OF ENERGY-EFFICIENT PRODUCTS AND PRACTICES Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9413>
- Cooperative Training Partnership in Aquatic Toxicology and Ecosystem Research Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9573>
- Eighteenmile Creek RAP Priorities / LaMP Public Forum Coordination Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9571>
- Fate and Effects of Hormones in Waste From Concentrated Animal Feeding Operations (CAFOS) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=9388>
- FY 2006 Request for Applications for Alaska Tribal Multi-Media Projects Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9312>
- Implementation of Energy-Efficient Standards and Labeling Programs in Developing Countries Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=9271>
- Request for Application (RFA) Science Training in Marine Sciences (STMS) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9534>
- Source Reduction Assistance Grants Program Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9538>
- STATE POLICY-BASED APPROACHES TO REDUCING EMISSIONS THROUGH IMPROVED GREENHOUSE GAS MANAGEMENT AND CLEAN ENERGY PROGRAMS Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9409>
- Surveys, Studies, Investigations, Demonstrations and Training Grants and Cooperative Agreements Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=9386>

### **Institute of Museum and Library Services (IMLS)**

- 21st Century Museum Professionals Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9329>
- Laura Bush 21st Century Librarians Program  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9325>
- Museums for America <http://www.grants.gov/search/search.do?mode=VIEW&oppId=9324>
- National Leadership Grants for Museums and Libraries  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9326>
- Partnership for a Nation of Learners Community Collaboration Grants  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9327>

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

- FY 2006 NASA COOPERATIVE AGREEMENT NOTICE (CAN) MOTIVATING UNDERGRADUATES IN SCIENCE AND TECHNOLOGY (MUST)  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9278>
- GNSS Remote Sensing Science Team Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9643>
- NASA ARMD RESEARCH OPPORTUNITIES IN AERONAUTICS NRA Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9270>
- NASA STUDENT CAREER EXPLORATION PROGRAM (CEP) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9309>
- NASA'S EXPLORATION TEAM (NEET) EDUCATORS RESOURCES CENTER/EXPLORATION STATION AT THE JOHN F. KENNEDY SPACE CENTER, FLORIDA  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=9561>

- Recompensation of the GRACE Science Team Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9642>
- Research Opportunities in Space and Earth Sciences (ROSES) 2006:
  - Advancing Collaborative Connections for Earth System Science  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9454>
  - Applied Information Systems Research Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9570>
  - Astrophysics Data Analysis Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9461>
  - Astrophysics Theory <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9418>
  - Atmospheric Composition Modeling and Analysis Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9533>
  - Atmospheric Composition: Research and Modeling  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9455>
  - Atmospheric Composition: Tropical Composition, Cloud, and Climate Coupling Experiment Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9531>
  - Beyond Einstein Foundation Science  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9419>
  - Earth System Science Research using Data and Products from the Terra, Aqua, and ACRIMSAT Satellites Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9529>
  - Geospace Science Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9530>
  - Mars Reconnaissance Orbiter Participating Scientists Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9522>
  - MESSENGER Mission Participating Scientists Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9527>
  - Near Earth Object Observations  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9453>
  - Origins of Solar Systems <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9422>
  - Planetary Astronomy <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9417>
  - Planetary Atmospheres Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9459>
  - Planetary Instrument Definition and Development Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9569>
  - Planetary Protection Research Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9532>
  - Sample Return Laboratory Instruments and Data Analysis Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9526>
  - Solar and Heliospheric Physics Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9639>
- Virtual Observatories for Heliophysics Data Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9640>

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

- Grants to Preserve and Create Access to Humanities Collections  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=3340>
- Preservation and Access Reference Materials Grants  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=3347>

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

- Alliances for Broadening Participation in STEM (ABP)  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=8490>
- ATMOSPHERIC SCIENCES: COUPLING, ENERGETICS, AND DYNAMICS OF ATMOSPHERIC REGIONS [CEDAR] PROGRAM [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=5503](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5503)
- Biological Research Collections (BRC) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9672>
- Biomedical Engineering, Research to Aid Persons with Disabilities, and Biophotonics Programs Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9625>
- CONFERENCES, WORKSHOPS, AND SPECIAL MEETINGS IN THE MATHEMATICAL SCIENCES  
[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=11701](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=11701)
- DIVISIONS OF EARTH AND OCEAN SCIENCES: MARGINS PROGRAM  
[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=13516](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13516)
- EARTH SCIENCES: INSTRUMENTATION AND FACILITIES [EAR/IF]  
[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=6186](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=6186)

- Instrument Development for Biological Research (IDBR) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9664>
- Methodology, Measurement, and Statistics (MMS) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9673>
- NSF ACADEMIES FOR YOUNG SCIENTISTS [NSFAYS]  
[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=13677](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13677)
- Opportunities for Promoting Understanding through Synthesis (OPUS) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9671>
- PARTNERSHIPS FOR INNOVATION [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=5261](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5261)
- Presidential Awards for Excellence in Mathematics and Science Teaching - Application Packet  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=2390>
- Research Coordination Networks in Biological Sciences (RCN) Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9667>
- SCIENCE AND SOCIETY [S&S] [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=5324](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5324)
- SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS TALENT EXPANSION PROGRAM [STEP] [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=5488](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5488)

#### **Social Security Administration (SSA)**

- Work Incentives Planning and Assistance Projects Grant  
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9499>

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

##### **AMERICAN HONDA FOUNDATION**

##### **INSTITUTIONAL GRANTS FOR YOUTH AND SCIENCE EDUCATION**

**DUE:** AUG 1 NOV 1 FEB 1 MAY 1

**WRITE:** American Honda Foundation

P.O. Box 2205

Torrance, CA 90509-2205

**WEB:** <http://corporate.honda.com/america/philanthropy.aspx?id=ahf>

**PHONE:** 310/781-4090

**FAX:** 310/781-4270

Through a program of responsible investment (of contributions funds) in organizations meeting the needs of the American society in the areas of youth and scientific education, the Foundation strives to assist in deriving long term benefits for the communities in which it operates and the society as a whole. The Foundation defines "youth" as prenatal through twenty-one years of age. "Scientific education" encompasses both the physical and life sciences, mathematics, and the environmental sciences.

**FUNDING:** The average grant range is \$40,000 to \$80,000 per year, non-renewable.

##### **ALEXANDER VON HUMBOLDT FOUNDATION**

##### **RESEARCH FELLOWSHIPS**

**DUE:** anytime

**WRITE:** Alexander von Humboldt Assoc. of America

1012 14th Street, NW

Suite 1015

Washington, DC 20005

**WEB:** [http://www.avhaa.org/program\\_information.htm](http://www.avhaa.org/program_information.htm)

**E-MAIL:** [avhaa@bellatlantic.net](mailto:avhaa@bellatlantic.net)

**PHONE:** 202/783-1907

**FAX:** 202/783-1908

The Humboldt Research Fellowship Program supports highly qualified scholars of all nationalities and fields so that they may carry out long-term research projects in Germany. Fellowships are awarded based on academic achievement, i.e., the quality and feasibility of the proposed research project and the candidate's international publications. There are no quotas with respect to either country of origin or academic discipline.

**ELIGIBILITY:** Applicants must have a doctoral degree and be less than 40 years of age.

**FUNDING:** The program provides for stay in Germany of 6 to 12 months.

## **COUNCIL FOR INTERNATIONAL EXCHANGE OF SCHOLARS**

### **FULBRIGHT U.S. SCHOLAR PROGRAM - TRADITIONAL PROGRAM FOR FACULTY AND PROFESSIONALS**

**DUE:** AUG 1

**WRITE:** Council for International Exchange of Scholars  
3007 Tilden Street, NW  
Suite 5L

Washington, DC 20008-3009

**WEB:** [http://www.cies.org/us\\_scholars/guidelines.htm](http://www.cies.org/us_scholars/guidelines.htm)

**E-MAIL:** [apprequest@cies.ieu.org](mailto:apprequest@cies.ieu.org)

**PHONE:** 202/686-7877

The traditional Fulbright Scholar Program sends 800 U.S. faculty and professionals abroad each year. Grantees lecture and conduct research in a wide variety of academic and professional fields.

**ELIGIBILITY:** U.S. citizenship; a Ph.D. or equivalent professional/terminal degree; college or university teaching experience; foreign language proficiency (as required); sound physical and mental health.

**FUNDING:** Generally speaking, Fulbright grants are budgeted to cover travel and living costs in-country.

## **KRESGE FOUNDATION**

### **SCIENCE EQUIPMENT PROGRAM**

**DUE:** anytime

**WRITE:** The Kresge Foundation

3215 West Big Beaver Road

Troy, MI 48084

**WEB:** <http://www.kresge.org/content/displaycontent.aspx?CID=25>

**E-MAIL:** [info@kresge.org](mailto:info@kresge.org)

**PHONE:** 248/643-9630

**FAX:** 248/643-0588

This program helps colleges, universities, teaching hospitals, medical schools, and research institutions raise funds and awareness to support their instrumentation/laboratory needs.

**ELIGIBILITY:** Colleges and universities (awarding baccalaureate and/or graduate degrees), teaching hospitals, medical schools, and research institutions are eligible to apply. Within the educational field, this program is designed to assist a broad range of colleges and universities, not necessarily those with significant research budgets or Ph.D. science programs. Liberal arts colleges with well-established, undergraduate science programs are welcome to apply.

**FUNDING:** Minimum total goal is \$400,000 (\$150,000 for equipment and \$250,000 for endowment) and maximum total goal is \$2,000,000 (\$750,000 for equipment and \$1,250,000 for endowment). By the time they apply, applicant organizations must have two-thirds of their equipment costs pledged.

## **HENRY LUCE FOUNDATION**

### **HIGHER EDUCATION GRANTS**

**DUE:** anytime

**WRITE:** The Henry Luce Foundation, Inc.

111 West 50th Street, #4601

New York, NY 10020

**WEB:** <http://www.hluce.org/4heddefm.html>

**E-MAIL:** [hlf@hluce.org](mailto:hlf@hluce.org)

**PHONE:** 212/489-7700

**FAX:** 212/581-9541

Higher education is an underlying theme for most of the Luce Foundation's programs, through support for research, training and the creation of new resources at American colleges and universities. From time to time, grants are also considered for projects that are in keeping with the Foundation's overall mission, but fall outside existing program boundaries. Recently, the primary focus of the Higher Education Program has reflected the Foundation's commitment to strengthen America's capacity for international understanding. Two current grants are helping to advance global education on U.S. campuses: the American Council on Education (ACE) has organized an Internationalization Forum of Chief Academic Officers; and the Association of American Colleges and Universities (AAC&U) is working with a cross-section of institutions to identify new models that integrate international and general education at the undergraduate level. Previous Higher Education grants have addressed the interests as well as the history of the Foundation and the Luce family. For example, a grant to the Woodrow Wilson National Fellowship Foundation has supported a program to promote innovation in U.S. doctoral education at a number of public and private universities; the National Humanities Center in North Carolina administers a Henry Luce Senior Fellow in the fields of American art, Asian studies,

and theology; and a major gift to Yale University in the mid-1990s established Henry R. Luce Hall, the home of Yale's Center for International Studies.

### **The Missouri Foundation for Health (MFH)**

#### **Better Self-Management of Diabetes Priority Area Grant (PAG)**

**DUE:** June 14 -- letter of intent

**WEB:** <http://www.mffh.org/pag4.html>

**DESCRIPTION:** The MFH has designed the Better Self-Management of Diabetes Priority Area Grant (PAG) to support the implementation and expansion of the nationally recognized Chronic Care Model (<http://www.improvingchroniccare.org>) developed for the management of chronic illness at the primary care level. MFH is focusing on the self-management component of the model and its application to improving diabetes care and targets populations of individuals diagnosed with Type II diabetes, particularly those from high-risk, low-income, uninsured, underinsured, or underserved populations. The intent of this PAG is to demonstrate that collaborative, multi-component, self-management diabetes programs can be delivered in a variety of health care and community settings. The Foundation's goals for this PAG are to support organizations that:

- Improve outcomes through evidenced-based interventions
- Integrate self-management support
- Leverage resources that improve patient care through collaborations and partnerships
- Develop replicable models for the treatment of chronic illnesses

**IMPORTANT:** The UM System is limited to one application for this program, which is being coordinated by the System. The program notice has been sent to deans, directors, and chairs in the health science disciplines. If you have interest in this program but have not received the notice, please contact Tamara Kratochvil ([kratochvilt@umsl.edu](mailto:kratochvilt@umsl.edu)).

**FUNDING:** A total of \$4 million has been allocated for this funding program in 2006.

### **NATIONAL GEOGRAPHIC SOCIETY**

#### **FIELD RESEARCH**

**DUE:** anytime

**WRITE:** Committee for Research and Exploration

National Geographic Society

1145 17th Street, NW

Washington, DC 20090-8249

**WEB:** [http://www.nationalgeographic.com/research/grant\\_application.html](http://www.nationalgeographic.com/research/grant_application.html)

**E-MAIL:** [cre@ngs.org](mailto:cre@ngs.org)

The National Geographic Society (NGS) awards grants for exploration and scientific field-research through its Committee for Research and Exploration (CRE). All proposed projects must have both a geographical dimension, and relevance to other scientific fields. Applications are generally limited to the following disciplines: anthropology, archaeology, astronomy, biology, botany, geography, geology, oceanography, paleontology, and zoology. In addition, the Committee is emphasizing multidisciplinary projects that address environmental issues (e.g., loss of biodiversity and habitat, effects of human-population pressures).

**ELIGIBILITY:** Applicants are expected to have advanced degrees (Ph.D. or equivalent) and be associated with an educational organization or institution.

**FUNDING:** While grant amounts vary greatly, most range from \$15,000 to \$20,000. There is no set quantity of grants awarded, but budget constraints keep the number to approximately 250 per year.

### **ROCKEFELLER BROTHERS FUND**

#### **SUSTAINABLE DEVELOPMENT PROGRAM**

**DUE:** anytime

**WRITE:** Rockefeller Brothers Fund

437 Madison Avenue, 37th Floor

New York, NY 10022-7001

**WEB:** <http://www.rbf.org/programs/sustainprog.html>

**E-MAIL:** [info@rbf.org](mailto:info@rbf.org)

**PHONE:** 212/812-4200

**FAX:** 212/812-4299

Human activity is causing the depletion of essential resources, global warming, rapid loss of biodiversity, and accelerating degradation of Earth's life support systems. These developments threaten the livelihoods, health, and security of people in all nations and cultures as well as the well being of the greater community of life. The RBF's sustainable development grantmaking endeavors to address these challenges by supporting environmental stewardship that is ecologically based,

economically sound, socially just, culturally appropriate, and consistent with intergenerational equity. The Fund encourages government, business, and civil society to work collaboratively on environmental conservation and to make it an integral part of all development planning and activity. Recognizing the global nature of many environmental problems, the Fund also promotes international cooperation in addressing these challenges.

**ELIGIBILITY:** To qualify for a grant from the RBF, as from most other foundations, a prospective grantee in the United States must be either a tax-exempt organization or an organization seeking support for a project that would qualify as educational or charitable.

**FUNDING:** The average grant size is \$75,000, often payable over more than one year but typically not more than three.

#### **ROCKEFELLER BROTHERS FUND**

##### **PEACE AND SECURITY PROGRAM**

**DUE:** anytime

**WRITE:** Rockefeller Brothers Fund, Inc.

437 Madison Avenue, 37th Floor

New York, NY 10022-7001

**WEB:** <http://www.rbf.org/programs/peace.html>

**E-MAIL:** [info@rbf.org](mailto:info@rbf.org)

**PHONE:** 212/812-4200

**FAX:** 212/812-4299

Globalization is transforming our understanding of what constitutes a threat to security and what is required to create a more peaceful world. The crowded agenda of global challenges resists easy answers about priorities; nations and societies will necessarily assess threats differently, depending on their circumstances. For some, the threat of global terrorism or military invasion will dominate the security agenda, while others will focus first on fighting extreme poverty or halting the spread of deadly diseases-or on another of the many issues that appear on the global agenda. But growing interdependence has made one thing clear: In the 21st century, the security and well-being of all of Earth's peoples is increasingly connected to that of others. Strife and unrest in faraway places can create ripples that spread around the globe. Freer, faster movement across borders makes it harder to curb flows of dangerous weapons and deadly materials; contain infectious disease, pollution, and financial disruption; distinguish terrorists from tourists and traders; and regulate the spread of technologies with the potential to change the course of human history or alter Earth's ecology. Progress in coping with such complex and interconnected challenges will require ingenuity, resolve, and cooperative action on many fronts. Many factors will influence the world's chances of success. The RBF's Peace and Security Program focuses on two factors that may be key to advancing or undermining global problem solving: (1) the content and style of U.S. global engagement in the face of new perils and opportunities; and (2) the strength and quality of relationships between Muslim and Western societies. In addition, peace and security is a theme that may be identified for attention in one or more of the Fund's pivotal places.

**ELIGIBILITY:** To qualify for a grant from the RBF, as from most other foundations, a prospective grantee in the United States must be either a tax-exempt organization or an organization seeking support for a project that would qualify as educational or charitable.

**FUNDING:** The average grant size is \$75,000, often payable over more than one year but typically not more than three.

#### **ROCKEFELLER BROTHERS FUND**

##### **DEMOCRATIC PRACTICE PROGRAM**

**DUE:** anytime

**WRITE:** Rockefeller Brothers Fund, Inc.

437 Madison Avenue, 37th Floor

New York, NY 10022-7001

**WEB:** <http://www.rbf.org/programs/dempract.html>

**E-MAIL:** [info@rbf.org](mailto:info@rbf.org)

**PHONE:** 212/812-4200

**FAX:** 212/812-4299

For democracy to flourish and deliver on its promises--including political participation, human rights, access to justice, a good education, an improved quality of life, a healthy environment, and personal security--citizens must become more engaged, empowered, and assertive, and institutions of governance must become more inclusive, transparent, and responsive. Paradoxically, while there has been a dramatic increase over the past two decades in the number of countries with democratic systems of government and additional countries are on the democratic path, the frequent failure of new and established democracies alike to deliver on democracy's promises has undermined

commitment to democratic practices around the world. In addition, as globalization progresses, the decisions of transnational institutions such as multilateral organizations, multinational corporations, international financial institutions, and global civil society groups take on increased significance. Yet these decisions are often made with inadequate inclusiveness, accountability, and transparency and may in fact preempt or distort legitimate national decision-making processes.

**ELIGIBILITY:** To qualify for a grant from the RBF, as from most other foundations, a prospective grantee in the United States must be either a tax-exempt organization or an organization seeking support for a project that would qualify as educational or charitable.

**FUNDING:** The average grant size is \$75,000, often payable over more than one year but typically not more than three.

## **ROCKEFELLER FOUNDATION**

### **BELLAGIO STUDY AND CONFERENCE CENTER [ITALY] CONFERENCES AND RESIDENCIES FOR SCHOLARS, SCIENTISTS, AND ARTISTS**

**DUE:** AUG 1 JAN 1

**WRITE:** Bellagio Center Office  
Rockefeller Foundation  
420 Fifth Avenue  
New York, NY 10018-2702

**WEB:** <http://www.rockfound.org/bellagio>

**E-MAIL:** [bellagio\\_ny@rockfound.org](mailto:bellagio_ny@rockfound.org)

**PHONE:** 212/869-8500

Throughout its history, the Rockefeller Foundation has supported women and men who advance knowledge in an effort to explain and address the root causes of suffering and inequality, and to foster improved livelihoods through support for artistic, social and cultural expressions. Equally important, the focus of the Foundation's work is global, both in its application of knowledge and in support of those seeking to improve economic and social well-being. The Bellagio Study and Conference Center gives such aspirations a home. The Center offers two programs—the individual residency program and the conference and team program—that encourage critical thinking and creative responses to some of the most pressing issues of our time. Each year, the Foundation welcomes approximately 140 residents and 50 conferences to the Center. Here, participants discover a rare combination: individual contemplation and collegial engagement, disciplined work and space for reflection. The individual residency offers scholars, artists, writers, musicians, scientists, policymakers, and development professionals from around the world an opportunity to pursue ideas and engage others in their work. Freed from day-to-day demands, participants in the residency program have the time and space necessary to think, write and create. Their fellow residents are thoughtful and passionate colleagues who are willing to engage with and respond to each others' work. The conference and team program provides organizations and networks with "convening power," the ability to bring together individuals for intense periods of discussion, debate, and collaboration around significant issues and problems within a given field or across disciplines. It is this atmosphere of shared intellectual inquiry and deliberation that generates breakthrough ideas and innovative strategies.

**FUNDING:** The Foundation provides room and board without charge for all residents and conference/team participants. Some travel assistance is available for those from developing countries who qualify.

## **RUSSELL SAGE FOUNDATION**

### **RESEARCH PROGRAMS**

**DUE:** AUG 15 MAR 15

**WRITE:** Russell Sage Foundation  
112 East 64th Street  
New York, NY 10021

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

**E-MAIL:** [info@rsage.org](mailto:info@rsage.org)

**PHONE:** 212/750-6000

**FAX:** 212/371-4761

The Russell Sage Foundation is an operating foundation directly involved in the conduct and dissemination of social science research. The Foundation's main research programs consist of: (1) A program of research on the Future of Work concerned with the causes and consequences of changes in the quality of low-wage work in advanced economies; (2) A program of research on current U.S. Immigration focused on the entry of immigrant families into the civic and political life of the country, and on immigrant experiences outside the traditional gateway cities; (3) A program on Cultural Contact that is investigating how well U.S. institutions are managing to respond to the growing diversity of the American population; (4) A program on Social Inequality, focused on the social effects

of rising economic inequality, with particular attention to the ways in which the U.S. political and educational systems have responded to growing economic disparities.

**FUNDING:** Major awards range between \$35,000 and \$500,000. The Foundation mainly provides support for analyzing data and writing up results, but it occasionally considers larger awards for data acquisition projects highly relevant to the Foundation's program goals.

## **THRASHER RESEARCH FUND**

### **CHILD HEALTH RESEARCH**

**DUE:** anytime

**WRITE:** Julie L. Busse, M.S., Research Manager

Thrasher Research Fund  
15 W. South Temple Street  
Suite 1650

Salt Lake City, UT 84101

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

**E-MAIL:** [BusseJ@thrasherresearch.org](mailto:BusseJ@thrasherresearch.org)

**PHONE:** 801/240-4720

**FAX:** 801/240-1625

The Thrasher Research Fund provides grants for pediatric medical research. Because significant solutions for many children's health problems remain undiscovered, the Fund invites a broad array of applications. The Thrasher Research Fund seeks to foster an environment of creativity and discovery aimed at finding solutions to children's health problems. The Fund awards grants for research that offers substantial promise for meaningful advances in prevention and treatment of children's diseases, particularly research that offers broad-based applications. The Fund supports clinical/translational pediatric research. Emphasis is placed on projects with potential findings that would be clinically applicable in a relatively short period of time for the prevention, diagnosis and/or treatment of pediatric medical problems.

**ELIGIBILITY:** The Principal Investigator is expected to be qualified in terms of education and experience, maintain an active role in the project, and take full responsibility for its successful completion. Students may be employed as technical support personnel but may not apply as Principal Investigators. There are no citizenship or visa restrictions.

**FUNDING:** Amounts awarded and time periods vary depending on the specific needs of each proposal. Over the last several years awards from the Fund have ranged from a few thousand dollars to approximately \$400,000. The Fund's median award is \$230,000, with the majority between \$150,000-\$300,000. Projects are supported for up to 3 years. Projects are supported for up to 3 years.

## **W. E. UPJOHN INSTITUTE**

### **2006 GRANT PROGRAM**

**DUE:** AUG 1 JAN 31, 3-page summary OCT 17 APR 11, proposal

**WRITE:** Institute Grant Committee

W.E. Upjohn Institute for Employment Research  
300 South Westnedge Avenue  
Kalamazoo, MI 49007-4686

**WEB:** <http://www.upjohninst.org/grantann.html>

**E-MAIL:** [webmaster@upjohninstitute.org](mailto:webmaster@upjohninstitute.org)

**PHONE:** 269/343-5541

**FAX:** 269/343-3308

Through its Research Grant Program, the Upjohn Institute supports policy-relevant research on employment issues. Grants made under this program are expected to result in research of a rigorous nature that is accessible and of interest to practitioners and policymakers. The research is expected to produce a book-length manuscript publishable by the Upjohn Institute. The Institute has identified a Priority Research Topic: the effects of health care costs on labor demand. However, proposals from any area of interest will be fully considered. **MINI-GRANTS:** During the same funding cycles as the Research Grants, the Institute will consider proposals for funds to conduct research and write scholarly papers on innovative research topics. The purpose of the Mini-Grant Program, which is reserved for untenured junior faculty within six years of earning their PhD degree, is to provide flexibility to meet special funding needs that, without support, would prevent researchers from pursuing the project.

**FUNDING:** For Research Grants, the maximum funding amount is \$75,000. For Mini-Grants, the maximum funding amount is \$5,000.

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

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

## Postdoctoral and Graduate Student Funding Opportunities

### **Christopher Reeve Foundation**

- Individual Research Grants  
[http://www.grantsnet.org/search/pgm\\_info.cfm?pgm\\_id=3732](http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=3732)  
Deadline: 15 June 2006

### **Colorado State University College of Engineering**

- Louis Stokes Colorado - Alliance for Minority Participation  
[http://www.grantsnet.org/search/pgm\\_info.cfm?pgm\\_id=3736](http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=3736)  
Deadline: No Deadline

### **Cystic Fibrosis Foundation**

- Clinical Fellowships  
[http://www.grantsnet.org/search/pgm\\_info.cfm?pgm\\_id=1736](http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=1736)  
Deadline: 6 September 2006
- Harry Shwachman Clinical Investigator Award  
[http://www.grantsnet.org/search/pgm\\_info.cfm?pgm\\_id=1738](http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=1738)  
Deadline: 6 September 2006
- Leroy Matthews Physician/Scientist Award  
[http://www.grantsnet.org/search/pgm\\_info.cfm?pgm\\_id=1739](http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=1739)  
Deadline: 6 September 2006
- Pilot and Feasibility Awards  
[http://www.grantsnet.org/search/pgm\\_info.cfm?pgm\\_id=1740](http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=1740)  
Deadline: 6 September 2006
- Postdoctoral Research Fellowships  
[http://www.grantsnet.org/search/pgm\\_info.cfm?pgm\\_id=1741](http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=1741)  
Deadline: 6 September 2006
- Student Traineeships  
[http://www.grantsnet.org/search/pgm\\_info.cfm?pgm\\_id=1743](http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=1743)  
Deadline: None

### **The Foundation Fighting Blindness**

- Individual Investigator Grant Awards - New Proposals  
[http://www.grantsnet.org/search/pgm\\_info.cfm?pgm\\_id=3517](http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=3517)  
Deadline: 01 June 2006

### **Foundation for Digestive Health and Nutrition**

- AGA Fellowship/Faculty Transition Awards  
[http://www.grantsnet.org/search/pgm\\_info.cfm?pgm\\_id=1423](http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=1423)  
Deadline: 5 September 2006
- AGA Research Scholar Awards  
[http://www.grantsnet.org/search/pgm\\_info.cfm?pgm\\_id=1557](http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=1557)  
Deadline: 5 September 2006
- AGA/R. Robert & Sally D. Funderburg Research Scholar Award in Gastric Biology related to Cancer  
[http://www.grantsnet.org/search/pgm\\_info.cfm?pgm\\_id=3011](http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=3011)  
Deadline: 5 September 2006

### **Irvington Institute for Immunological Research**

- Irvington Institute Postdoctoral Fellowships in Immunology  
[http://www.grantsnet.org/search/pgm\\_info.cfm?pgm\\_id=1387](http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=1387)  
Deadline: 11 July 2006
- Senior Level Postdoctoral Grant  
[http://www.grantsnet.org/search/pgm\\_info.cfm?pgm\\_id=2920](http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=2920)  
Deadline: 11 July 2006

- The Irvington Institute for Immunological Research and The Dana Foundation  
[http://www.grantsnet.org/search/pgm\\_info.cfm?pgm\\_id=3045](http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=3045)  
 Deadline: 11 July 2006

#### **Ranbaxy Science Foundation**

- Ranbaxy Research Awards  
[http://www.grantsnet.org/search/pgm\\_info.cfm?pgm\\_id=3733](http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=3733)  
 Deadline: 01 July 2006

#### **Sigma Delta Epsilon Graduate Women in Science**

- Eloise Gerry Fellowships  
[http://www.grantsnet.org/search/pgm\\_info.cfm?pgm\\_id=1936](http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=1936)  
 Deadline: 15 January 2007
- Nell I. Mondy Fellowship  
[http://www.grantsnet.org/search/pgm\\_info.cfm?pgm\\_id=2936](http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=2936)  
 Deadline: 15 January 2007
- SDE Fellowships  
[http://www.grantsnet.org/search/pgm\\_info.cfm?pgm\\_id=1597](http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=1597)  
 Deadline: 15 January 2007
- Vessa Notchev Fellowships  
[http://www.grantsnet.org/search/pgm\\_info.cfm?pgm\\_id=1937](http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=1937)  
 Deadline: 15 January 2007

#### **Sigma Xi, The Scientific Research Society**

- Grants-in-Aid of Research  
[http://www.grantsnet.org/search/pgm\\_info.cfm?pgm\\_id=1108](http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=1108)  
 Deadline: 15 October 2006

#### **Smithsonian Institution**

- Center for Tropical Forest Science Research Grants Program  
[http://www.grantsnet.org/search/pgm\\_info.cfm?pgm\\_id=2964](http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=2964)  
 Deadline: 28 July 2006

#### **Tilker Medical Research Foundation**

- Outstanding Investigator Award  
[http://www.grantsnet.org/search/pgm\\_info.cfm?pgm\\_id=3735](http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=3735)  
 Deadline: 01 September 2006
- Seed Funding Award  
[http://www.grantsnet.org/search/pgm\\_info.cfm?pgm\\_id=3734](http://www.grantsnet.org/search/pgm_info.cfm?pgm_id=3734)  
 Deadline: 01 September 2006

### Funding Opportunities for Undergraduates

There are no new undergraduate funding opportunity announcements at this time.

#### **GRANT SUBMISSION POLICY**

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

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

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

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

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

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# NEWS

## TOP STORIES

### RESEARCH & COMMERCIALIZATION NEWS

- University of Missouri Announces New Campus F&A Cost Recovery Rates
- Potential New Treatment for Human Papillomavirus: Scientists from UM-St. Louis, NanoVir make Discovery
- UM-St. Louis Chancellor Reports on Express Scripts HQ
- Solae to Move Headquarters to CORTEX
- Texas A&M Will Allow Consideration of Faculty Members' Patents in Tenure Process
- Industry Support for Academic Research Falls, but Federal Aid Rises
- Earmarks May Skew Analysis of Spending
- Ivory Power: Once Collegial, Research Schools Now Mean Business
- Share of Students in the Sciences Shrinks
- Test Shows Drop in Science Achievement for 12th Graders
- Cells on a Chip to Cut Animal Tests
- Last Human Chromosome Genome Sequenced
- An Education in Finance: America's Colleges Embrace the Capital Markets
- Patent Thickets See a New Light

### University of Missouri System Announces New F&A Cost Recovery Rates

New facilities and administration (F&A) rates for research on the University of Missouri campuses will go into effect beginning July 1, 2006 (regardless of the award date, applies to anything that has a requested start date after July 1). The on-campus research rate for UM-St. Louis will remain the same at 51.0%.

UM-St. Louis Schedule of Rates for F&A Cost Recovery Rates effective beginning July 1, 2006	
<b>Research:</b>	
On-Campus	51.0%
Off-Campus	26.0%
<b>Sponsored Instruction:</b>	
On-Campus	51.5%
Off-Campus	26.0%
<b>Other Sponsored Activity:</b>	
On-Campus	33.0%
Off-Campus	26.0%

The other UM System campus F&A rates for on-campus research will change as follows:

- UMC -- 49.5% (up 2.5%)
- UMKC -- 49.0% (up 2.0%)
- UMR -- 50.5% (up 1.5%)

F&A covers costs associated with completing a project that are not directly charged to the project, including space where the work is done, utilities where the work is done, administration and oversight of the work, use of library facilities, and equipment, general supplies and materials to support the work.

An important new aspect to the rate agreement will be a negotiated fringe benefit rate. For FY 2007, this rate (which applies only to federal and federal flow-through funding) will be 29.15% (21.5% plus 7.65% for FICA). The fringe benefit rate for all other sponsors is 30.38% (22.73% plus 7.65% for FICA).

If you have any questions, please contact Karen Boyd ([boyd@umsl.edu](mailto:boyd@umsl.edu)) or Ginny Schodroski ([gabby@umsl.edu](mailto:gabby@umsl.edu)). ●

## **Potential New Treatment for Human Papillomavirus: Scientists from UM-St. Louis, NanoVir make Discovery**

Scientists from the University of Missouri-St. Louis and NanoVir announced today the identification of a potential new treatment to fight the virus that causes cervical cancer, the second leading killer of women by cancer worldwide.



Dr. James K. Bashkin

James Bashkin and Chris Fisher presented their findings at the International Conference for Antiviral Research in San Juan, Puerto Rico, on May 11. They have been seeking antiviral compounds that specifically target human papillomavirus (HPV) 16, the viral type most often associated with cervical cancer. Targeting the DNA of HPV rather than more traditional antiviral targets, the scientists identified a series of compounds that dramatically reduce the viral DNA load of cells harboring the virus.

The research, funded by the National Institutes of Health, was conducted by scientists from UMSL and NanoVir, a Kalamazoo, Mich.,-based biotechnology company.

"We believe that antivirals for HPV represent an important alternative for treatment of people with persistent HPV infections," said Chris Fisher, co-founder of NanoVir and lead biologist on the project. "This approach offers an excellent compliment to the HPV vaccines currently under development."

There currently are few antiviral treatments for HPV16, the primary cause of a positive Pap smear and the virus that causes more than half the deaths attributed to cervical cancer.

James Bashkin, co-founder of NanoVir and associate research professor of chemistry and biochemistry at UMSL, served as lead chemist on the project. He's excited about the implications of the work.

"It's been a wonderful example of how powerful the direct collaboration of chemists and biologists can be," Bashkin said. "Because of the collaboration, we have been able to make unexpected discoveries in both chemistry and biology, and to apply them rapidly to a much needed therapeutic area."

In laboratory tests, the scientists compared their experimental compounds to two other drugs used to treat resistant HPV infections; in both cases the experimental compounds outperformed alternative treatments.

According to Fisher and Bashkin, current approaches to treatment of the cancer causing forms of HPV have primarily focused on vaccines, which have shown great efficacy in human trials. However, the HPV vaccines offer no hope to women or men already infected with HPV.

### **About NanoVir, LLC**

NanoVir is a biotechnology company that utilizes novel chemical and biological approaches to develop DNA-targeted therapies for treatment of disease. NanoVir was founded by Fisher and Bashkin in 2003.



### **UM-St. Louis Chancellor Reports on Express Scripts HQ**

Excerpted from the St. Louis Business Journal

May 25, 2006

In the 30th annual "Report to the Community" Thursday (May 25), University of Missouri-St. Louis Chancellor Thomas George focused on the school's plan to open [Express Scripts'](#) headquarters on the school's campus by spring 2007. ●

To continue reading, go to:

<http://stlouis.bizjournals.com/stlouis/stories/2006/05/22/daily49.html?surround=etf>.

## **Solae to Move Headquarters to CORTEX**

Excerpted from the St. Louis Business Journal

May 26, 2006

The [Solae Co.](#) is leaving its downtown headquarters to build a new \$40 million facility in Midtown. ●

To continue reading this article, go to:

<http://stlouis.bizjournals.com/stlouis/stories/2006/05/22/daily52.html?surround=etf>.

## **Texas A&M Will Allow Consideration of Faculty Members' Patents in Tenure Process**

Excerpted from the Chronicle of Higher Education

May 30, 2006

By SARA LIPKA

The Texas A&M University System Board of Regents voted unanimously on Friday (May 26) to consider faculty members' patents and the commercialization of their research in deciding whether to grant them tenure.

"We are taking a leadership position in modernizing the tenure process to bring it in line with some new realities," Robert D. McTeer, chancellor of the university system, said in a written statement. As state support of higher education continues to decline, he said, universities must rely more on partnerships with businesses.

Mr. McTeer, an economist and a former president of the Federal Reserve Bank of Dallas, recommended the tenure reform to the Board of Regents to give professors "credit" for their commercial ventures. Patents, for example, should be recognized as part of faculty scholarship, he said.

"It doesn't require that you commercialize research," he told reporters on Friday. "It just permits that you can count this in the tenure process. ... It will help some people and hurt nobody." Some professors, he said, will no longer wait until they have received tenure to pursue patents. ●

Read Texas A&M Press Release: <http://sago-news.tamu.edu/releases/?p=166>.

## **Industry Support for Academic Research Falls, but Federal Aid Rises**

From the Chronicle of Higher Education

May 12, 2006

By ANNE K. WALTERS

Industry support for academic research in science and engineering fell for the third straight year in the 2004 fiscal year, said a report from the National Science Foundation. The apparent trend continues the first multiyear decline in support for a sector of academic research since the foundation began surveying colleges about their research-and-development expenditures, in 1953.

The report, "Industrial Funding of Academic R&D Continues to Decline in FY 2004," uses data from the National Science Foundation Survey of Research and Development Expenditures at Universities and Colleges to analyze the sources of money for research at colleges, and the fields and institutions that receive the most research dollars. Figures from 2004 are the most recent reported to the agency.

The level of industry support for academic research in science and engineering fell by 2.6 percent in 2004, according to the survey, after declining by 1.1 percent in 2003 and 1.5 percent in 2002. Industry support was \$2.1-billion in 2004, down from a high of \$2.2-billion in 2001.

Overall research-and-development spending at colleges increased by 7.2 percent, to \$42.9-billion in 2004 from \$40.1-billion in 2003. That increase represents a slowdown from double-digit growth in the previous two years (10.9 percent in 2002 and 10.2 percent in 2003), the report says.

The federal government continues to provide the largest share of support for such research. It provided \$27.4-billion in 2004, up 10.7 percent from \$24.7-billion in 2003. The federal portion of total research-and-development spending at colleges was 63.7 percent in 2004, up from 61.8 percent the year before.

The report also concludes that spending by colleges on their own research is beginning to level off, with an increase of 1.5 percent in 2004, following average annual increases of 9 percent over the previous seven years.

Information from the survey was used to rank the colleges that received the most federal funds in 2004. The list of the top 100 (<http://chronicle.com/weekly/v52/i36/36a03401.htm>, subscription required) is largely unchanged from 2003. ●

### **Earmarks May Skew Analysis of Spending**

Excerpted from the Chronicle of Higher Education

May 5, 2006

By JEFFREY BRAINARD

Congressional earmarking of federal research programs has become so extensive that it can be difficult to tell whether spending by federal agencies for merit-reviewed scientific grants is rising or falling, according to President Bush's science adviser.

John H. Marburger III said at a science-policy meeting in Washington in April that a clear methodology is needed to track how large a bite earmarks take.

Earmarks are the noncompetitive grants that members of Congress direct to specific constituents, often universities. Critics call the spending pork. The grants are expected to total \$2.4-billion this year, the American Association for the Advancement of Science estimates, a 63-percent increase from 2003. ●

To continue reading this article, go to: <http://chronicle.com/weekly/v52/i35/35a03101.htm> (subscription required).

### **Ivory Power: Once Collegial, Research Schools Now Mean Business**

*Arizona State Strips Professor of Empire as Funding Ebbs; Lawsuit Claims Retaliation a Price Tag on Lab Space*

Excerpted from the Wall Street Journal

May 4, 2006

By BERNARD WYSOCKI, JR.

TEMPE, Ariz. -- For most of his 41 years at Arizona State University, George Robert Pettit enjoyed the near autonomy of a prominent academic scientist.

Dr. Pettit founded the university's Cancer Research Institute in 1975 and ran it for 30 years, largely funded with royalty income on his 62 U.S. patents and money he raised from gifts and grants. A professor of chemistry, he specialized in the synthesis of naturally occurring substances that might be the basis of anticancer drugs.

Today, Dr. Pettit's empire is no more. In an unusually bitter campus war, Arizona State's new administration abruptly dismantled most of the cancer center on Jan. 27, eliminating the jobs of 30 of about 40 scientists and other personnel. Dr. Pettit, 76 years old, remains a tenured professor but with almost no funding or authority.

"I can't even spend a dime for a test tube," says Dr. Pettit, who has sued the Arizona Board of Regents and top university officials in U.S. District Court in Phoenix, seeking reinstatement and unspecified damages. University officials have denied all charges and are fighting the suit.

Dr. Pettit's battle with his employer spotlights a broader change under way in academia, as many universities start to treat their professors more like employees of a business. Once, academic researchers had broad latitude to pursue the subjects that interested them, with light oversight and scant pressure to produce things with direct application in the marketplace. ●

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### **Share of Students in the Sciences Shrinks**

Excerpted from the Chronicle of Higher Education

May 12, 2006

By AMY RAINEY

Despite an increase in college enrollment over the past decade, the proportion of students obtaining degrees in science, technology, engineering, and mathematics has fallen, the Government Accountability Office said in a statement presented as testimony before the U.S. House of Representatives' education committee last week.

The GAO reported that 27 percent of students obtained degrees in those fields, which are known as the STEM disciplines, in the 2003-4 academic year, compared with 32 percent in 1994-95. ●

To continue reading this article, go to: <http://chronicle.com/weekly/v52/i36/36a03501.htm> (subscription required).

### **Test Shows Drop in Science Achievement for 12th Graders**

Excerpted from the New York Times

May 24, 2006

By SAM DILLON

Scores rose among fourth graders and held steady among eighth graders, but the drop among high school seniors is likely to raise anxiety about America's academic competitiveness. ●

To continue reading this article, go to: <http://www.nytimes.com/2006/05/25/education/25exam.html?ex=1149220800&en=7900f0534207a011&ei=5070&emc=eta1>

### **Cells on a Chip to Cut Animal Tests**

From The Guardian

May 25, 2006

By IAN SAMPLE

Online at: <http://www.guardian.co.uk/medicine/story/0,,1782410,00.html>

Scientists are recreating the human body on a microchip - using clumps of cells from different organs linked by fluid-filled channels - to reduce the amount of animal testing for drugs.

The "human-on-a-chip" mimics the body's physiology on a miniature scale, including how each organ reacts to drugs and other chemicals.

The chips will not be a substitute for extensive clinical trials, or even many animal tests, say the researchers, but they believe they will help identify potentially dangerous drugs early in development.

Michael Schuler, at Cornell University, in New York, built a chip which, among other tissues, carried liver and lung cells. Tests with naphthalene, a chemical found in mothballs, showed that the liver cells broke the chemical down into toxic byproducts that killed some of the lung cells - the same effect seen in people.

Dr Schuler and a colleague, Greg Baxter, have set up a firm, Hurel, to sell the chip.

The chips could be used to see how viruses cause infection and how drugs work, and cells could be given a disease to investigate treatment. "We're not saying we can replace animal studies, we just hope to make them more efficient, and reduce our use of animals," said Dr Schuler. ●

### **Last Human Chromosome Genome Sequenced**

Reuters

May 17, 2006

By PATRICIA REANEY

Scientists have reached a landmark point in one of the world's most important scientific projects by sequencing the last chromosome in the Human Genome, the so-called "book of life."

Chromosome 1 contains nearly twice as many genes as the average chromosome and makes up eight per cent of the human genetic code.

It is packed with 3,141 genes and linked to 350 illnesses including cancer, Alzheimer's and Parkinson's disease.

"This achievement effectively closes the book on an important volume of the Human Genome Project," said Dr Simon Gregory who headed the sequencing project at the Sanger Institute in England. ●

To continue reading this article, go to:

<http://www.reuters.ch/newsArticle.jhtml;jsessionid=0UVINBLL0Z44CCRBAEOCFEY?type=scienceNews&storyID=12240734>

## **An Education in Finance**

*America's Colleges Embrace the Capital Markets*

Excerpted from *The Economist*  
May 18, 2006

In the lecture halls of America's universities, capitalism is far more likely to be damned than praised. Those who run the universities, however, have a keen appreciation of the capital markets. It is well known that some institutions, notably Harvard, have benefited greatly from putting top-notch managers in charge of their endowment funds.

Less well known is the increasing willingness of colleges to borrow in the markets, too. On May 15th, for example, Cornell University sold \$250m-worth of bonds. In recent weeks both Harvard and the University of Texas have also raised hundreds of millions of dollars in this way.

Such debt-raising is becoming more common, although the average bond issue is smaller than these. Lehman Brothers reckons that the overall market for higher-education debt has tripled since 2000, to \$33 billion, and there are abundant reasons besides the recent trend to believe that the market will grow much bigger yet.

Largely this is because colleges are only belatedly becoming aware of how useful the financial markets can be. No doubt some of their hesitation has been cultural: academics may have been reluctant to look at their universities as businesses; or they may have misunderstood what was needed to help those businesses grow. ●

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[http://www.economist.com/displaystory.cfm?story\\_id=6958688](http://www.economist.com/displaystory.cfm?story_id=6958688)

## **Patent Thickets See a New Light**

Patently-O

May 22, 2006

By DENNIS CROUCH,

Attorney, McDonnell Boehnen Hulbert & Berghoff LLP

Patent law professor Douglas Lichtman has a new short article about problems of "patent thickets."

Theorists have discussed patent thickets as an example of problematic over-ownership — a.k.a. the tragic "anti-commons." When a particular area of technology is blanketed by multiple patents owned by multiple parties, everyone blocks everyone else, and nothing gets done.

After all, the conventional literature on the tragedy of the anti-commons asserts that resources will be inefficiently under-used in the face of too many overlapping patent rights.

Lichtman turns this theory on its head and asserts that in actuality, a very thick thicket might result in less litigation. His idea is in a case of multiple overlapping patents, each patent represents only a small piece of the pie. And few patentees would be willing to go through litigation simply to recover such a small slice.

More patents means less money per patent holder. Less money, in turn, means less of an incentive for a firm to strategically delay in the hopes of being a patent holdout, and less of an incentive for an accidental patent holdout to actually bring suit. ●

Download PDF to read "[Patent Holdouts in the Standard-Setting Process](#)" by Doug Lichtman

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