

## AWARDS PROCESSED

*Externally funded grants and contracts processed during July 2009*

Title	Investigator(s)	Department(s)	Agency	Award
<b>Research Awards</b>				
Organization, Financial Feasibility, and Rural Economic Impacts of Bioenergy in Illinois	I. Altman D. Sanders	Agribusiness Economics Agribusiness Economics	U of I/C-FAR (IDA)	\$10,896
Effect of Distiller's Grains on Beef Cow Dystocia and Conception	R. Atkinson	Animal Science, Food and Nutrition	U of I/C-FAR (IDA)	\$4,774
Effect of Distiller's Grains on Fatty Acid Composition and Meat Quality in Steers	R. Atkinson	Animal Science, Food and Nutrition	U of I/C-FAR (IDA)	\$1,182
Novel Cardiovascular Benefits of a Diet Enriched in Both Soy Oil and Soy Isoflavones	W. Banz	Animal Science, Food and Nutrition	U of I/C-FAR (IDA)	\$6,243
Higher Order Chromatin Structure	B. Bartholomew	Biochemistry and Molecular Biology	NSF	\$165,000
Mechanisms of Eukaryotic Transcriptional Activation in Vivo	S. Bhaumik	Biochemistry and Molecular Biology	American Heart Association	\$65,000
CAREER: Programmable Active Lithography Using Nanotube Arrays	P. Kohli	Chemistry	NSF/REU	\$5,394
*Predictive Stream Restoration Studies	G. Wilkerson	Civil and Environmental Engineering	U of Minnesota (NSF)	\$70,000
Development of Single Nucleotide Polymorphism (SNP) Markers for Rapid, Inexpensive, and Standardized Identification of Pallid ( <i>Scaphirhynchus albus</i> ) and Shovelnose ( <i>S. platyrhynchus</i> ) Sturgeon Larvae	E. Heist	Fisheries Center	USDI/USGS	\$34,381
*Use of Alternative Lipid Sources and Finishing Feeds to Improve the Nutritional Value and Safety of Aquaculture Products	J. Trushenski M. Lydy C. Kohler	Fisheries Center Fisheries Center Fisheries Center	USDOC/NOAA	\$183,548
Evaluation and Management of Surface Hydrology, Erosion, and Sedimentation Associated with Tracked and Wheeled Vehicle Training at Ft. Knox, KY	K. Williard J. Schoonover J. Groninger J. Zaczek C. Ruffner	Forestry Forestry Forestry Forestry Forestry	ICI Services (USDOD)	\$9,648

Title	Investigator(s)	Department(s)	Agency	Award
*Future Water Demands and Coal Development Potential in Kaskaskia River Basin in Illinois	B. Dziegielewski	Geography	IDCEO/ICCI	\$93,118
Collaborative Research in IPY: Abrupt Environmental Change in the Larsen Ice Shelf System, a Multidisciplinary Approach - Marine and Quaternary Geosciences	S. Ishman	Geology	NSF	\$67,362
*SI Cancer Partnership Graduate Assistantship	S. Brown	Health Education and Recreation	The Hope Light Foundation	\$9,096
*Inflammation During Aging as a Foundation for Fatigue	L. Toth	Laboratory Animal Medicine	Excellence in Academic Medicine	\$12,500
*Aldo-Keto Reductase 1B10 as Novel Target for Breast Cancer	D. Cao	Medical Microbiology and Immunology	USDOD	\$545,456
*Pregnane X Receptor as Determinant of Prostate Tumor Response to Chemotherapy	Y. Chen	Medical Microbiology and Immunology	USDOD	\$85,810
*Testing Compounds vs. <i>Chlamydia trachomatis</i>	M. Cooper	Medical Microbiology and Immunology	Starpharma, PTY, LTD	\$25,500
*Use of the MicroRNA Precursor Construct	Y. Mo	Medical Microbiology and Immunology	Systems Biosciences	\$20,492
An Enzymatic Bioassay for Perchlorate	L. Achenbach	Microbiology	U of California, Berkeley (USDOD)	\$92,571
Stem Cell Targeting of Ovarian Cancer: Novel Approach to Delivery of Cell-Based Therapeutics	M. McAsey	Obstetrics and Gynecology	William E. McElroy Foundation	\$38,500
*Novel Approach for Chronic Pain Treatment Using Resiniferatoxin	L. Premkumar	Pharmacology	Excellence in Academic Medicine	\$25,000
Understanding Compound Phase Transitions in New Heusler Alloy Colossal Magnetocaloric Materials	N. Ali	Physics	USDOE	\$192,191
*Analyzing Working Nanosensors: Mapping the Electron Transport and Surface Reactivity of Nanowire Based Chemiresistors and Chem-FETs	A. Kolmakov	Physics	NSF	\$236,949
*DEAF-1 Interactions and Protein Modifications in Prostate Cells	J. Huggenvik M. Collard	Physiology Physiology	USDHHS/NIH	\$218,250
*Regulation of Insulins by the RHOX5 Homeobox Gene Supports Spermatogenesis	J. MacLean	Physiology	USDHHS/NIH	\$9,063

Title	Investigator(s)	Department(s)	Agency	Award
Development of Scientific Protocols for Oil Pad Reclamation in Peatlands of Boreal Alberta	D. Vitt	Plant Biology	Shell Oil Canada	\$229,580
The Sudden Death Syndrome Research Alliance	J. Bond A. Fakhoury S. Kantartzi	Plant, Soil, & Ag Systems Plant, Soil, & Ag Systems Plant, Soil, & Ag Systems	U of I (NCSRP)	\$58,527
The Sudden Death Syndrome Research Alliance	J. Bond A. Fakhoury M. Schmidt	Plant, Soil, & Ag Systems Plant, Soil, & Ag Systems Plant, Soil, & Ag Systems	U of I (NCSRP)	\$55,247
*Sustainable Vegetable Crop Production Using Earthwork Castings and Animal Manure Composts	A. Walters	Plant, Soil, & Ag Systems	IDA	\$23,995
Field Trial Studies	B. Young	Plant, Soil, & Ag Systems	Monsanto Co.	\$5,040
Effects of Vitamin B <sub>3</sub> on Traumatic Brain Injury	M. Hoane	Psychology	USDHHS/NIH	\$218,250
*Mechanisms of Fatigue in Chronic Viral Disease	L. Toth	Research and Faculty Affairs	USDHHS/NIH	\$19,788
*THRIVE: Descending Thoracic Aortic Aneurysm Endovascular Repair Post Approval Study, Version B	K. Hodgson	Surgery	Medtronic Inc.	\$26,570
*Topical Therapy with Sulfamylon for 5% Topical Solution on Autograft Healing with Thermal Injuries	M. Neumeister	Surgery	Mylan Pharmaceuticals	\$35,408
Ecological Integrity of Prairie Streams as Influenced by Patch-Burn Grazing and Riparian Protection	M. Whiles	Zoology	Missouri Department of Conservation	\$52,282

### Training Awards

*Building a Bridge for Young Minds' Journey to Careers in Transportation Through Summer Transportation Institute	S. Kumar J. Hsiao C. Pearson	Civil and Environmental Engineering Civil and Environmental Engineering College of Engineering	IDOT (USDOT)	\$123,000
Evaluation of Socio-Linguistic Negotiations in Language Learning	A. Winston-Allen	Foreign Languages and Literatures	Aisin Manufacturing Illinois	\$7,635
*Green Scholarships: Training the Next Generation of Environmental Experts	K. Renzaglia J. Spears H. Henson	Plant Biology Research Development and Administration Geology	NSF	\$70,270
SI Airport Graduate Assistantships	J. Hamman	Political Science	Southern Illinois Airport Authority	\$36,908
Graduate Assistantship	S. Dollinger	Psychology	Brehm Preparatory School	\$15,434

Title	Investigator(s)	Department(s)	Agency	Award
Graduate Assistantship	S. Dollinger	Psychology	Brehm Preparatory School	\$18,269
MBAT Murray-Behavior Analysis and Therapy Collaboration	P. Davis	Rehabilitation Institute	Warren G. Murray Development Center	\$100,000
Rehabilitation Long-Term Training: Undergraduate Education in Rehabilitation Services at Southern Illinois University	R. Rehfeldt P. Davis	Rehabilitation Institute Rehabilitation Institute	USED/OSERS	\$75,000
Rehabilitation Counselor Supervision	S. Robertson C. Flowers	Rehabilitation Institute Rehabilitation Institute	USED	\$150,000
<b>Other Awards</b>				
Head Start Basic FY 2010	C. Reed S. Bryson	Affirmative Action Affirmative Action	USDHHS/OHDS/ACF	\$210,448
Head Start COLA	C. Reed S. Bryson	Affirmative Action Affirmative Action	USDHHS/OHDS/ACF	\$91,148
*Promotion of Natural Horsemanship Training Methods	S. King M. Schwarm	Animal Science, Food and Nutrition Animal Science, Food and Nutrition	Illinois Equine Industry Research & Promotion Board	\$3,000
WSIU and WUSI FM State Grant	D. Kerstein	Broadcasting Service	IAC (CPB)	\$32,153
Teaching with Primary Sources	J. Hostetler	College of Education and Human Services	Library of Congress	\$191,000
College Graduates with Disabilities	L. Baker	Public Policy Institute	IDHFS	\$31,000
*Patent Prosecution Contract for Legal Services	R. Patino	Research and Faculty Affairs	IDOT	\$7,500
Illinois Agriculture Mediation Program	M. Rudasill	School of Law	USDA/FSA	\$38,704
*Entry Road to SIUC Research Park	K. Harfst	Technology and Business Enterprise Development	IDOT	\$106,345
Upward Bound FY 2010	D. Wilson	Upward Bound	USED	\$383,897
DSP/DD Aide Training Verification FY 2010	E. Freeburg	Workforce Education	IDHS	\$26,250
Illinois Nontraditional Training and Statewide Resource Center	R. Woodhull	Workforce Education	ISBE (USED)	\$75,000

\*indicates new award

**Awards Processed During July 2009 (57) \$4,745,572**

## Summary of Fiscal Year 2010 Awards Received to Date

*excludes Financial Aid Office awards*

	<b>Fiscal Year 2010 Awards as of July 2009</b>		<b>Fiscal Year 2009 Awards as of July 2008</b>	
Research	(24)	\$3,002,670	(27)	\$2,646,447
Training	(11)	\$780,678	(4)	\$678,353
Other	(14)	\$5,485,874	(12)	\$3,020,062
Federal	(22)	\$6,741,153	(18)	\$4,524,695
State	(9)	\$1,245,818	(13)	\$1,526,920
Industry	(2)	\$17,283	(0)	\$0
Foundation	(4)	\$198,500	(4)	\$149,000
Other	(12)	\$1,066,468	(8)	\$144,247
<b>TOTAL</b>	<b>(49)</b>	<b>\$9,269,222</b>	<b>(43)</b>	<b>\$6,344,862</b>