

University of Arkansas, Fayetteville

Fiscal Year 2010 - July 2009 Awards Report

Unit	PI Dept	PI Name	All Investigators	Sponsor	Project Title	Sponsor Costs	Institution No.
Agriculture, Food, & Life Sciences	BAEG	Brian Haggard	Haggard, Brian~	Illinois River Watershed Partnership	Water Quality Monitoring and Constituent Load Estimation in the Upper Illinois River Watershed	\$ 173,717	PT08-000397
Agriculture, Food, & Life Sciences	FDSC	Latha Devareddy	Devareddy, Latha~	Arkansas Science & Technology Authority	Plant based anti-inflammatory agents may reduce the risk of chronic inflammatory diseases	\$ 34,726	PT08-000570
Agriculture, Food, & Life Sciences	POSC	Aleksandr Jurkevic	Jurkevic, Aleksandr~Kumar, Suresh T.~Kuenzel, Wayne~	National Science Foundation (NSF)	CR: Central Neuroplasticity of the Avian Vasotocineric System During Stress	\$ 291,910	PT08-000285
College of Arts & Sciences	ANTH	Kenneth L Kvamme	Kvamme, Kenneth L~	Idaho Power Company	Geophysical Surveys at 10EL462, Elmore County, Idaho	\$ 16,424	PT09-000453
College of Arts & Sciences	ANTH	Kenneth L Kvamme	Kvamme, Kenneth L~	University of Iowa	Reporting of Geophysical Survey Findings at the Kimball Site (13PM4), Iowa	\$ 3,500	PT09-000301
College of Arts & Sciences	BISC	Steven J Beaupre	Beaupre, Steven J~	Arkansas Biosciences Institute (ABI)	Pilot-Scale High Throughput Sequencing of the Timber Rattlesnake Genome	\$ 77,990	PT09-000542
College of Arts & Sciences	BISC	Yuchun Du	Du, Yuchun~	National Institutes of Health/DHHS (NIH)	Proteomic and Biochemical Studies of Bax Regulatory Proteins in Apoptosis	\$ 204,387	PT08-000281
College of Arts & Sciences	BISC	Yuchun Du	Du, Yuchun~	National Institutes of Health/DHHS (NIH)	Proteomic and Biochemical Studies of Bax Regulatory Proteins in Apoptosis	\$ 8,614	PT08-000281
College of Arts & Sciences	BISC	Ralph L Henry	Du, Yuchun~Goforth, Robyn~Kumar, Suresh T.~Beitle, Robert~Henry, Ralph L~	Arkansas Biosciences Institute (ABI)	Maintenance of FPLC-Based Purification Capabilities	\$ 19,843	PT09-000531
College of Arts & Sciences	BISC	David Kremenz	Kremenz, David~	Arkansas Game and Fish Commission	Movements and Distributions of Radio-Marked Mallards from Arkansas	\$ 21,000	PT09-000384
College of Arts & Sciences	BISC	Daniel Lessner	Lessner, Daniel~Ivey, David M~Kral, Timothy A~Silberman, Jeffrey~	Arkansas Biosciences Institute (ABI)	Acquisition of Equipment for the Large-Scale Cultivation of Anaerobic Microorganisms & Purification of Oxygen-Sensitive Biomolecules	\$ 43,240	PT09-000523
College of Arts & Sciences	BISC	Ines Pinto	Pinto, Ines~	Arkansas Biosciences Institute (ABI)	The Role of Histone H2B in Centromere Function & Chromosome Segregation	\$ 45,298	PT09-000548
College of Arts & Sciences	BISC	Ines Pinto	Pinto, Ines~	National Science Foundation (NSF)	The Hda1 Complex and Centromere Function in Budding Yeast	\$ 144,001	PT06-000403
College of Arts & Sciences	BISC	Douglas D Rhoads	Rhoads, Douglas D~	Arkansas Biosciences Institute (ABI)	Emergency Power Generation for Ferritor Hall	\$ 15,000	PT09-000535
College of Arts & Sciences	BISC	Jeffrey Silberman	Silberman, Jeffrey~	Arkansas Biosciences Institute (ABI)	Morphology & Phylogeny of Free-Living Relatives of Trichomonad Parasites	\$ 43,891	PT09-000547

Unit	PI Dept	PI Name	All Investigators	Sponsor	Project Title	Sponsor Costs	Institution No.
College of Arts & Sciences	BISC	Kim G. Smith	McClung, Maureen~Smith, Kim G.~	U.S. Forest Service	The Response of Avian Populations to Ice Damage in the Arkansas Ozarks	\$ 2,000	PT09-000305
College of Arts & Sciences	CHBC	Paul D. Adams	Adams, Paul D.~	Arkansas Biosciences Institute (ABI)	Characterization of a Minimal RAS-GTPASE Binding Domain Peptide Derivative of Tuberous Sclerosis-2 (TSC-2) That Binds to the RAS Protein, RHEB	\$ 96,611	PT09-000528
College of Arts & Sciences	CHBC	Ingrid Fritsch	Fritsch, Ingrid~	Arkansas Biosciences Institute (ABI)	New Approach for Detection of Neurotransmitters in Mixtures Suitable for In Vivo Analysis	\$ 51,711	PT09-000562
College of Arts & Sciences	CHBC	Robert Gawley	Gawley, Robert~	Arkansas Biosciences Institute (ABI)	Catalytic Dynamic Resolutions of Chiral Reactive Intermediates	\$ 56,101	PT09-000532
College of Arts & Sciences	CHBC	Colin Heyes	Heyes, Colin~	Arkansas Biosciences Institute (ABI)	Hole-Trapping in Quantum Dots & Their Connection to Fluorescence Blinking: Implications for Improving Biomedical Research	\$ 70,000	PT09-000524
College of Arts & Sciences	CHBC	James F Hinton	Hinton, James F~	Arkansas Biosciences Institute (ABI)	A Multiuser Computation & Visualization Facility for Protein Structure & Function	\$ 74,759	PT09-000530
College of Arts & Sciences	CHBC	Suresh T. Kumar	Kumar, Suresh T.~Daily, Anna~McNabb, David S~	Arkansas Biosciences Institute (ABI)	Rational Design of a Novel Peptide Drug Against Pathogenic Fungi	\$ 99,166	PT09-000550
College of Arts & Sciences	CHBC	Suresh T. Kumar	Kumar, Suresh T.~	Maine Medical Center Research Institute	Release of FGF1 and Pathology of Angiogenesis	\$ 42,600	PT09-000193
College of Arts & Sciences	CHBC	Jackson Lay	Lay, Jackson~	Arkansas Biosciences Institute (ABI)	Investigation of Anaphylaxis to IGE Specific Galactose-A-1,3-Galactose in Residents of Arkansas & Surrounding States	\$ 28,400	PT09-000549
College of Arts & Sciences	CHBC	Matthias McIntosh	Zaharoff, David~McIntosh, Matthias~	Arkansas Biosciences Institute (ABI)	Development of Novel Chitosan-Based Avceines for Treatment of Meth Addiction	\$ 98,605	PT09-000536
College of Arts & Sciences	CHBC	Joshua Sakon	Sakon, Joshua~	Arkansas Biosciences Institute (ABI)	Using FRET to Determine Structural & Kinetic Parameters of Collagen Binding Domains	\$ 88,558	PT09-000545
College of Arts & Sciences	CHBC	Wesley E Stites	Stites, Wesley E~	Arkansas Biosciences Institute (ABI)	Develop Methods for the Characterization of the Oxidation State of MET843 in the Proteolytic Cleavage Site	\$ 69,113	PT09-000546
College of Arts & Sciences	CHBC	Charles L Wilkins	Wilkins, Charles L~	Arkansas Biosciences Institute (ABI)	Phospholipid Profiling of Yeast & Mutant Yeast in Studies of Ubiquitin Metabolism by FTMS	\$ 45,366	PT09-000534
College of Arts & Sciences	CHBC	Nan Zheng	Zheng, Nan~	Arkansas Biosciences Institute (ABI)	The Use of Azirines in Iron-Catalyzed Formation of Carbon-Nitrogen Bonds	\$ 51,131	PT09-000533

Unit	PI Dept	PI Name	All Investigators	Sponsor	Project Title	Sponsor Costs	Institution No.
College of Arts & Sciences	GEOS	Glen Mattioli	Mattioli, Glen~	National Science Foundation (NSF)	Collaborative Research: Facility Support for the CALIPSO Borehole Observatory, Soufrier Hills Volcano, Montserrat	\$ 100,082	PT07-000186
College of Arts & Sciences	MASC	Junhee Han	Han, Junhee~	National Institutes of Health/DHHS (NIH)	Intergovernmental Personnel Agreement	\$ 23,792	PT09-000449
College of Arts & Sciences	MASC	Joon Jin Song	Kong, Byung-Whi~Song, Joon Jin~Bottje, Walter G.~	Arkansas Biosciences Institute (ABI)	Analytic-Enabled Integrative Analysis of MicroArray Studies	\$ 63,819	PT09-000525
College of Arts & Sciences	PHYS	Gregory J Salamo	Salamo, Gregory J~	National Science Foundation (NSF)	Engineering the Linear and Nonlinear Optical Properties of Periodic Wavelength Arrays	\$ 103,979	PT06-000574
College of Arts & Sciences	PHYS	Gay B Stewart	Stewart, Gay B~Smith, Tom E.C.~Korth, Deborah~	National Science Foundation (NSF)	Robert Noyce Scholarship Program, Supplement Request	\$ 149,979	PT09-000263
College of Arts & Sciences	PHYS	Jak Tchakhalian	Tchakhalian, Jak~	Arkansas Biosciences Institute (ABI)	Nucleation of Proteins on the Surface	\$ 57,560	PT09-000544
College of Arts & Sciences	PHYS	Zhiming Wang	Wang, Zhiming~	Arkansas Biosciences Institute (ABI)	Non-(100) Based Nanostructure Superluminescent Diodes for Biomedical Imaging Application	\$ 66,188	PT09-000564
College of Arts & Sciences	PLSC	Ka Zeng	Zeng, Ka~	U.S. Department of Education	Proposal to Create a Minor in Chinese with a Business Orientation and a Major in Asian Studies, University of Arkansas UISFL Application to the Department of Education	\$ 60,676	PT07-000639
College of Arts & Sciences	SCSW	Debra Hurd	Hurd, Debra~	Arkansas Department of Human Services (DHS)	Arkansas Academic Partnership in Public Child Welfare - Year 21	\$ 2,955,875	PT09-000304
College of Business	CBER	Katherine Deck	Riiman, Viktoria~Deck, Katherine~	ARVEST Bank	An Analysis of the Northwest Arkansas Residential and Commercial Property Markets	\$ 167,084	PT09-000386
College of Education & Health Professionals	CIED	Michael Daugherty	Tschepikow, Nick~Daugherty, Michael~	Arkansas Department of Education (ADED)	Northwest ERZ-1	\$ 130,522	PT09-000488
College of Education & Health Professionals	CIED	Michael Daugherty	Hobson, Judith A~Daugherty, Michael~	Arkansas Department of Education (ADED)	Northwest ERZ-2	\$ 99,336	PT09-000490
College of Education & Health Professionals	CIED	Deborah A. Davis	Davis, Deborah A.~	Arkansas Department of Education (ADED)	Master Principal Program - FY2010 (year 6)	\$ 500,000	PT09-000450
College of Education & Health Professionals	CIED	Deborah A. Davis	Davis, Deborah A.~	Arkansas Department of Education (ADED)	Arkansas Leadership Academy - FY 2010	\$ 900,000	PT09-000452

Unit	PI Dept	PI Name	All Investigators	Sponsor	Project Title	Sponsor Costs	Institution No.
College of Education & Health Professionals	ELCF	Charles Stegman	Stegman, Charles~	Springdale Public Schools	Evaluation of Springdale Education Programs	\$ 28,100	PT07-000312
College of Education & Health Professionals	HKRD	Gretchen D Oliver	Oliver, Gretchen D~	Arkansas Biosciences Institute (ABI)	Impact of Tobacco Use on the Results of Rotator Cuff Repair	\$ 74,620	PT09-000521
College of Education & Health Professionals	RHRC	Fran W. Hagstrom	Hagstrom, Fran W.~Miller, Michael T.~	Arkansas Department of Workforce Education (ADWE)	Alternative Financing Program/Student Loan Forgiveness	\$ 193,574	PT09-000279
College of Education & Health Professionals	RHRC	Jeanne C Miller	Miller, Jeanne C~	Arkansas Rehabilitation Services	Neuro-Psychological Services for Students with Cognitive Disabilities and Technical Assistance at the Arkansas Career Training Institute (ACTI)	\$ 106,329	PT09-000313
College of Engineering	BENG	Kaiming Ye	Jin, Sha~Ye, Kaiming~	National Institutes of Health/DHHS (NIH)	HA Surface Presented Yeast Flu Vaccine and Its Enhancement by CD 154 Codisplay	\$ 308,234	PT08-000566
College of Engineering	CHEG	Robert Beitle	Beitle, Robert~Henry, Ralph L~	Arkansas Biosciences Institute (ABI)	Determination & Circumvention of Biochemical Roadblocks Associated with the Production of Biopolymer Conjugates Used in Cancer Gene Therapy	\$ 48,713	PT09-000527
College of Engineering	CHEG	Christa N Hestekin	Hestekin, Christa N~	Arkansas Biosciences Institute (ABI)	Detection of Diabetes Variants using Microchip Electrophoresis	\$ 39,902	PT09-000543
College of Engineering	CHEG	Keith Roper	Roper, Keith~	National Science Foundation (NSF)	Gold Nanoparticle Ensembles on Optical Plasmon Capillaries for Virus/DNA Sensing	\$ 41,205	PT09-000348
College of Engineering	CHEG	Shannon Servoss	Servoss, Shannon~	Arkansas Biosciences Institute (ABI)	Mimicking Antibodies: Peptoid-Based Affinity Reagents	\$ 50,008	PT09-000529
College of Engineering	CSCE	David Andrews	Andrews, David~	Naval Research Laboratory	MILS Security Investigation	\$ 117,572	PT09-000233
College of Engineering	CVEG	Brady R Cox	Cox, Brady R~Cothren, Jackson D.~	National Science Foundation (NSF)	Collaborative Research: The M8.0 Pisco Peru Earthquake - A Benchmark Ground Failure Event for Remote Sensing and Data Analysis	\$ 177,065	PT09-000097
College of Engineering	ELEG	Alan Mantooth	Balda, Juan C~Ang, Simon S~Davis, Shannon G~Mantooth, Alan~McCann, Roy~	National Science Foundation (NSF)	Collaborative Research: I/UCRC on Grid-Connected Advanced Power Electronic Systems (GRAPES)	\$ 565,000	PT09-000167
College of Engineering	ELEG	Scott C Smith	Smith, Scott C~Di, Jia~Wu, Jianhui Tony~Mantooth, Alan~	Department of Education	Asynchronous and Mixed-Signal Chip Design and CAD for Next Generation Computing and Communication Systems for Use in Medical Space Exploration and Sensor Network Applications	\$ 137,203	PT09-000181

Unit	PI Dept	PI Name	All Investigators	Sponsor	Project Title	Sponsor Costs	Institution No.
College of Engineering	ELEG	Jingxian Wu	Wu, Jingxian~	Arkansas Biosciences Institute (ABI)	Development of Ultra-Low Power Smart Biomedical Sensors: An Integrated Software-Hardware Approach	\$ 52,098	PT09-000522
College of Engineering	ELEG	Shui-Qing (Fisher) Yu	Yu, Shui-Qing (Fisher)~	Arkansas Biosciences Institute (ABI)	Selective Inactivation of Virus Using Low-Power Continuous-Wave Lasers	\$ 66,933	PT09-000539
College of Engineering	ENGR	Mahendra Kavdia	Kavdia, Mahendra~	University of Arkansas for Medical Sciences (UAMS)	Physiological Factors in Hyperthermia	\$ 6,884	PT07-000634
College of Engineering	INEG	Justin R Chimka	Chimka, Justin R~	Arkansas Biosciences Institute (ABI)	Developing Quality Control Standards to Evaluate MicroArray Studies	\$ 36,998	PT09-000526
College of Engineering	MEEG	Ajay Prabhakar Malshe	Malshe, Ajay Prabhakar~	National Science Foundation (NSF)	Collaborative Research: Design and Fundamental Understanding of Advanced Minimum Quantity Lubrication (MQL) Machining Using Nanolubricants	\$ 202,339	PT09-000110
College of Engineering	MEEG	Ajay Prabhakar Malshe	Malshe, Ajay Prabhakar~	Argonne National Laboratory	Fundamental Understanding of Multicomponent Nanolubricants: Silver- and Boron-integrated MoS2 Nanolubrication, a Case Study	\$ 117,590	PT08-000703
College of Engineering	MEEG	Min Zou	Zou, Min~	Arkansas Biosciences Institute (ABI)	Surface Micro/Nano-Texturing for Biomedical Applications	\$ 54,711	PT09-000541
Graduate School / Vice Provost for Research	SRC	Molly Longstreth	Longstreth, Molly~	Ozark Regional Transit	Amendment to the Spring 2009 NW Arkansas Omnibus Survey	\$ 849	PT09-000416
Graduate School / Vice Provost for Research	GRAD	Collis R Geren	Geren, Collis R~	U.S. Department of Energy	Phase I, SEFOR Decommissioning Plan	\$ 1,903,000	PT09-000392
School of Architecture	ARCH	Stephen D Luoni	Luoni, Stephen D~	National Endowment for the Arts/National Fndn. on the Arts & Humanities	American Recovery and Reinvestment Act	\$ 50,000	PT09-000209
School of Law	LAW	Lynn Stewart	Stewart, Lynn~	Arkansas Attorney General's Office	Summer Law Clerk Program - A.G.'s Office -2009	\$ 39,744	PT09-000266
Current Month:						\$ 11,815,225	
Same Month Previous Year:						\$ 8,963,850	
Current Year to Date:						\$ 11,815,225	
Previous Year to Date:						\$ 8,963,850	