

# University of Arkansas, Fayetteville

## Fiscal Year 2010 - August 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~	Kings River Watershed Partnership	Water Quality Monitoring and Constituent Load Estimation at the Kings River near Berryville, Arkansas	\$33,998	PT09-000454
Agriculture, Food, & Life Sciences	BAEG	Yanbin Li	Li, Yanbin~	Ocean Nano Tech LLC	Magnetic Nanoparticle Microfluidics for Highly Efficient Capture, Separation and Concentration of Foodborne Pathogens	\$25,000	PT09-000502
Agriculture, Food, & Life Sciences	CSES	Dick Oliver	Oliver, Dick~	Monsanto Company	Encapsulated Acetochlor in Soybean	\$4,880	PT09-000585
Agriculture, Food, & Life Sciences	PLPA	John C Rupe	Rupe, John C~	Monsanto Company	MON 79789 and Mixtures Efficacy on Soybean Charcoal Rot	\$29,999	PT09-000404
Agriculture, Food, & Life Sciences	SREC	Ken Smith	Smith, Ken~	Monsanto Company	Encapsulated Acetochlor in Cotton -- EUP Academic -- 2009-01-04-09	\$4,880	PT09-000582
College of Arts & Sciences	ANTH	Justin Nolan	Nolan, Justin~	National Academies	Ford Foundation Diversity Fellowship: Listening to Our Elders	\$2,000	PT08-000537
College of Arts & Sciences	BISC	Jeannine M Durdik	Durdik, Jeannine M~	National Institutes of Health/DHHS (NIH)	Pharmacological Vaccine Adjuvants: Analysis of Immune Responses to Vaccines	\$71,000	PT07-000170
College of Arts & Sciences	BISC	Ralph L Henry	Goforth, Robyn~Kumar, Suresh T.~Goforth, Carol R~Henry, Ralph L~	U.S. Department of Energy	Protein Targeting to the Chloroplast Thylakoid Membrane: Structure and Function of a Targeting Complex	\$159,992	PT06-000451
College of Arts & Sciences	BISC	Jeffrey Silberman	Silberman, Jeffrey~	National Science Foundation (NSF)	Genetic and phylogenetic diversity of Entamoeba	\$135,000	PT08-000846
College of Arts & Sciences	BISC	Steven Stephenson	Stephenson, Steven~	National Science Foundation (NSF)	International: Studies of Fungal Biodiversity in Northern Thailand	\$149,760	PT09-000138
College of Arts & Sciences	CHBC	Paul D. Adams	Adams, Paul D.~	National Institutes of Health/DHHS (NIH)	Biophysical Studies of Oncogenic Cdc42Hs Constructs	\$140,543	PT07-000431
College of Arts & Sciences	CHBC	Robert Gawley	Gawley, Robert~	National Institutes of Health/DHHS (NIH)	Monovalent Nanocrystals for Biomedical Imaging	\$213,000	PT08-000525
College of Arts & Sciences	CHBC	Roger E Koeppe II	Koeppe II, Roger E~	Arkansas Biosciences Institute (ABI)	ABI: Research & Operating Funds 2010	\$46,818	PT09-000615
College of Arts & Sciences	CHBC	Roger E Koeppe II	Koeppe II, Roger E~	Arkansas Biosciences Institute (ABI)	ABI: Research & Operating Funds 2010	\$339,169	PT09-000615

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College of Arts & Sciences	CHBC	Jackson Lay	Lay, Jackson~	Arkansas Science & Technology Authority	Biomolecular Chemistry and Production of "Botanical Insulin" from Adventitious Root Culture: A Plant-powered Technology for Therapeutic Management of Diabetes	\$1,550	PT08-000558
College of Arts & Sciences	CHBC	Francis S Millett	Millett, Francis S~	National Institutes of Health/DHHS (NIH)	COBRE Center for Protein Structure & Function REU Supplement	\$656,040	PT09-000267
College of Arts & Sciences	CHBC	Francis S Millett	Du, Yuchun~Goforth, Robyn~Kumar, Suresh T.~Millett, Francis S~Henry, Ralph L~	National Institutes of Health/DHHS (NIH)	Center for Protein Structure and Function: Administrative Supplements to Advance Translational Research (T1)	\$854,803	PT09-000330
College of Arts & Sciences	CHBC	Julie A Stenken	Stenken, Julie A~	National Institutes of Health/DHHS (NIH)	Quantitative Biocompatibility of Implanted Materials (Sub)	\$267,782	PT09-000369
College of Arts & Sciences	GEOS	Glen Mattioli	Mattioli, Glen~	National Aeronautics & Space Administration (NASA)	Detecting and Modeling Edifice and Lava Dome Failure on Active and Quiescent Arc Volcanoes Using GPS Geodesy, Laser Altimetry, and Shuttle Radar Topography	\$186,578	PT07-000647
College of Arts & Sciences	JOUR	Larry D Foley	Foley, Larry D~	Beaver Water District (BWD)	Bridge to War Eagle and Three Shorter Videos edited from the Larger Program	\$10,000	PT09-000597
College of Arts & Sciences	JOUR	Richard P Stockdell	Stockdell, Richard P~	Corporation for Public Broadcasting	FY2009 Radio Community Service Grant	\$19,500	PT09-000027
College of Arts & Sciences	MASC	Luca Capogna	Capogna, Luca~	U.S. Department of Education	CAP - Excel - Excellence in Complex Analysis and PDE Mobility	\$48,000	PT09-000187
College of Arts & Sciences	PHYS	Art Hobson	Calleja, Paul C~Salamo, Gregory J~Turner, Ronna C~Hobson, Art~	National Science Foundation (NSF)	Track 2, GK-12: Teaching the Science in Everyday Life	\$222,190	6360
College of Arts & Sciences	PHYS	Jiali Li	Li, Jiali~	National Institutes of Health/DHHS (NIH)	Solid-state Nanopore Identification for Proteins	\$86,212	PT09-000438
College of Arts & Sciences	PHYS	Gregory J Salamo	Salamo, Gregory J~	U.S.-Israel Binational Science Foundation	Waves in Linear & Nonlinear Lattices	\$11,250	PT06-000813
College of Arts & Sciences	PHYS	Gay B Stewart	Stewart, Gay B~Madison, Bernard L~	National Science Foundation (NSF)	College Ready in Math and Physics Partnership	\$1,666,270	PT08-000136
College of Arts & Sciences	PSYC	Ana Julia Bridges	Bridges, Ana Julia~	Community Clinic at St. Francis House	Clerkship in Integrated Behavioral Health 2009-2010	\$11,885	PT09-000473
College of Arts & Sciences	PSYC	Timothy A. Cavell	Cavell, Timothy A.~	Behavior Therapy and Counseling Clinic	Clerkship in Child Behavior Therapy (2009-2010) -- Chad Parsons	\$5,042	PT09-000511

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College of Arts & Sciences	PSYC	Timothy A. Cavell	Cavell, Timothy A.~	Behavior Therapy and Counseling Clinic	Clerkship in Child Behavior Therapy (2009-2010) -- Jamie Frala	\$10,083	PT09-000512
College of Arts & Sciences	PSYC	Matthew T Feldner	Feldner, Matthew T~	National Institutes of Health/DHHS (NIH)	An Experimental Test of Acute Sleep Deprivation in Posttraumatic Stress	\$204	PT07-000207
College of Education & Health Professionals	CIED	Laura B Kent	Dingman, Shannon Wayne~Kent, Laura B~	Arkansas Department of Education (ADED)	Northwest Arkansas Mathematics Partnership	\$48,368	PT08-000501
College of Education & Health Professionals	CIED	Janet Penner-Williams	Penner-Williams, Janet~Davis, Shannon G~	U.S. Department of Education	Project Teach Them All: English Language Acquisition National Professional Development Program	\$287,892	PT07-000169
College of Education & Health Professionals	CMSE	Lynne H Hehr	Hehr, Lynne H~	Arkansas Department of Education (ADED)	Math Specialist	\$86,500	PT09-000421
College of Education & Health Professionals	CMSE	Lynne H Hehr	Hehr, Lynne H~	Arkansas Department of Education (ADED)	Science Specialist	\$86,500	PT09-000419
College of Education & Health Professionals	EDUC	Jules Beck	Beck, Jules~	University of Arkansas Pine Bluff Minority Initiative	Tobacco Free & Healthy	\$30,996	PT09-000122
College of Education & Health Professionals	EDUC	Melissa Casteel	Casteel, Melissa~Hammons, James O~	Association for Institutional Research	2009 Fellowship Program in Institutional Research	\$9,215	PT09-000241
College of Education & Health Professionals	ELCF	Charles Stegman	Airola, Denise T~Stegman, Charles~	Arkansas Department of Education (ADED)	Integrated Data Model and Professional Development and IRI Data Analysis	\$897,761	PT07-000311
College of Education & Health Professionals	ELCF	Charles Stegman	Stegman, Charles~	Springdale Public Schools	Evaluation of Springdale Education Programs	\$96,495	PT07-000312
College of Education & Health Professionals	HKRD	Rosalie (Ro) DiBrezza	DiBrezza, Rosalie (Ro)~	Mercy Health System of Northwest Arkansas	Mercy Health System of Northwest Arkansas -- Exercise Internship Program	\$16,310	PT09-000484
College of Education & Health Professionals	HKRD	Heidi Kluess	Kluess, Heidi~	National Institutes of Health/DHHS (NIH)	Age-related Changes in the Mechanisms of Sympathetic Neurotransmission in Female Skeletal Muscle Arterioles	\$55,762	PT08-000077
College of Education & Health Professionals	NURS	Nancy J Smith-Blair	Smith-Blair, Nancy J~	American-Scandinavian Foundation	Visiting Lectureship Spring 2010	\$25,000	PT09-000229
College of Education & Health Professionals	RHRC	Jeanne C Miller	Pottenger, Paula~Miller, Jeanne C~	U.S. Department of Education	UA Currents TACE Center	\$832,684	PT08-000297

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College of Education & Health Professionals	RHRC	Brent T Williams	Williams, Brent T~	U.S. Department of Education	Long Term Training Grant for Master's Level Rehabilitation Counseling	\$149,999	PT07-000690
College of Engineering	BENG	Kaiming Ye	Jin, Sha~Ye, Kaiming~	National Science Foundation (NSF)	Graduate Research Supplement: General Glucose-Responsive, Insulin-Producing Cells from Human Embryonic Stem Cells in 3D Cultures	\$33,495	PT09-000323
College of Engineering	CHEG	Robert Beitle	Beitle, Robert~	National Science Foundation (NSF)	GRS: Collaborative Research: Efficient Bioseparation by Intertwining Strain, Chromatography, and Affinity Tail Design	\$32,451	PT09-000334
College of Engineering	CSCE	Amy W Apon	Spearot, Douglas E~Apon, Amy W~Limp, W Fred~Bellaiche, Laurent~	National Science Foundation (NSF)	Collaborative Research: Cyberinfrastructure for Transformational Scientific Discovery in Arkansas and West Virginia (CI-TRAIN)	\$3,370,951	PT08-000573
College of Engineering	CVEG	Brady R Cox	Cox, Brady R~	Arkansas Highway and Transportation Department (AHTD)	Practical Recommendations for Evaluation & Mitigation of Soil Liquefaction in Arkansas	\$35,423	PT09-000578
College of Engineering	CVEG	Kirk Grimmelsman	Grimmelsman, Kirk~	Arkansas Highway and Transportation Department (AHTD)	Rapid Condition Screening of Bridges by Falling Weight Deflectometer	\$38,211	PT09-000576
College of Engineering	CVEG	Kevin D Hall	Nachtmann, Heather L~Hall, Kevin D~Buffington, Jack E~	U.S. Department of Transportation (DOT)	University Transportation Center	\$463,400	PT07-000474
College of Engineering	CVEG	Kelvin C Wang	Wang, Kelvin C~	Arkansas Highway and Transportation Department (AHTD)	AHTD Cracking Protocol Application with Automated Distress Survey for Design and Management	\$44,770	PT09-000310
College of Engineering	ELEG	Alan Mantooth	Mantooth, Alan~	University of Texas-Dallas	Tools and Algorithms for Behavioral Model Generation of Analog/Mixed-Signal Circuits	\$50,000	PT09-000402
College of Engineering	ELEG	Vasundara V. Varadan	Varadan, Vasundara V.~	Draper Laboratory	Electrically Small and Efficient Plasmonic Resonator Antennas for GPS Frequencies	\$99,998	PT09-000393
College of Engineering	ELEG	Vijay Varadan	Varadan, Vijay~	Arkansas Science & Technology Authority	WINS Center Nanotechnology Healthcare Education & Training Program	\$18,300	PT09-000414
College of Engineering	ELEG	Vijay Varadan	Varadan, Vijay~	Alabama A&M University	Development of Nanowire & SERS Based System for Missile & Environmental Health Monitoring & Chemical Species Detection	\$44,987	PT09-000555

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College of Engineering	ELEG	Jingxian Wu	Wu, Jingxian~	National Science Foundation (NSF)	NeTS: Small: Cooperative Detection in Decentralized Wireless Information Networks	\$181,710	PT08-000840
College of Engineering	ENGR	Bryan Hill	Hestekin, Christa N~Hill, Bryan~Gattis, Carol S~Clausen, Edgar C~Denny, George S~	Arkansas Department of Education (ADED)	University of Arkansas-Engineering Science Partnership Proposal	\$64,554	PT08-000534
College of Engineering	INEG	C.S. Nam	Nam, C.S.~	National Science Foundation (NSF)	REU Supplement: I FEEL SCIENCE: Innovative Flexible Experimental Environment for Learning in SCIENCE	\$99,750	PT09-000351
College of Engineering	MEEG	Darin W Nutter	Nutter, Darin W~	Bader Rutter and Associates	Improving Fluid Milk Processor Energy Efficiency through the Sharing and Dissemination of Industry Best Practices to Increase Market Competitiveness through the Application of "Green Practices"	\$16,036	PT09-000390
College of Engineering	MEEG	Darin W Nutter	Nutter, Darin W~	Oklahoma State University	DOE Industrial Assessment Center Program	\$4,751	PT07-000009
College of Engineering	MEEG	Min Zou	Zou, Min~	National Science Foundation (NSF)	CAREER: Nano-Engineered Surfaces: Fabrication and Mechanical and Tribological Properties	\$37,695	PT09-000356
Graduate School / Vice Provost for Research	RSSP	Phillip S Stafford	Stafford, Phillip S~	Arkansas Economic Development Commission	Enterprise Center Lab Infrastructure	\$1,200,000	PT09-000574
Graduate School	GRAD	Thomas Carter	Geren, Collis R~Carter, Thomas~	University of Arkansas at Pine Bluff	Arkansas Alliance for Minority Participation (ARLSAMP) in STEM Careers	\$68,908	PT08-000143
Vice Chancellor for Academic Affairs (PROVOST)	MULN	Judy Ganson	Ganson, Judy~	Arkansas Science & Technology Authority	Extending the E-Journal Resources for the NSF EPSCoR Grant Program	\$40,000	PT08-000111
Vice Chancellor for Student Affairs	SDEV	Carol A Altom	Altom, Carol A~Sterling, Shauna B~	U.S. Department of Education	Veterans Upward Bound Program	\$300,905	PT06-000622
Vice Chancellor for Student Affairs	SDEV	Keith Brink	Brink, Keith~Sterling, Shauna B~	U.S. Department of Education	Academy of Mathematics and Sciences Upward Bound Program	\$241,150	PT06-000623
Vice Chancellor for Student Affairs	SDEV	Jason Campbell	Campbell, Jason~Sterling, Shauna B~	U.S. Department of Education	Upward Bound - Regular - Trio Programs	\$365,670	PT06-000620
Vice Chancellor for Student Affairs	SDEV	Jason Campbell	Campbell, Jason~	Arkansas Department of Human Services (DHS)	2009 Special Nutrition Programs Summer Food Service Program	\$78,650	PT09-000318

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Vice Chancellor for Student Affairs	SDEV	Gina Ervin	Ervin, Gina~Sterling, Shauna B~	U.S. Department of Education	University of Arkansas Educational Talent Search	\$421,299	PT05-000321
Vice Chancellor for Student Affairs	SDEV	Evelyn Fuller	Ervin, Gina~Fuller, Evelyn~Sterling, Shauna B~	U.S. Department of Education	University Access Talent Search	\$226,600	PT05-000320
Vice Chancellor for Student Affairs	SDEV	Robyn Hook	Ervin, Gina~Sterling, Shauna B~Hook, Robyn~	U.S. Department of Education	University of Arkansas College Project Talent Search	\$226,600	PT05-000319
Vice Chancellor- Finance & Administration	PARK	Michael J Seither	Seither, Michael J~	Federal Transit Administration	ARRA FTA/UA Capital Stimulus Grant	\$1,261,444	PT09-000239
<b>Current Month: \$17,104,618</b> Same Month Previous Year: \$4,130,511 Current Year to Date: \$28,919,843 Previous Year to Date: \$13,094,361							