

University Research Committee Report

FY 2000 - FY 2008

Prepared by the Office of Sponsored Programs, 07/07/08

<i>Fiscal Year</i>	<i>PI Name</i>	<i>Research Project Title</i>	<i>Amount Awarded</i>
2000	David A. Prentice	Stathmin Interaction with Oncoproteins	\$4,600
2000	Jing Chen	Pathological Alterations in Actin Cytoskeleton of Kidney Cells	\$8,000
2000	Richard L. Antes	Counseling Psychology Trainees Interest in Career Counseling	\$2,775
2000	Sandra K. Allen	Benzophenone and benzophenone derivative photosensitized dimerization of thymine in DNA	\$3,772
2000	Robert Dibie	Public Policy and Entrepreneurships in Nigeria: A Survey Research	\$5,325
2000	Mohameden Ould-Mey	Currency Devaluation and Resource Transfer along the North-South Divide	\$6,700
2000	Robert Goidel	The States of Campaign Finance Reform	\$2,393
2000	Joseph Meert	Paleomagnetic & Structural Investigation of the St. Francois Mtn Volcanics	\$3,020
2000	Shanaka de Silva	Stage I of the AD1600 eruption of Huaynaputina volcano, Ballad Investigation in the Orkney Islands	\$5,300
2000	Nan McEntire	Perceptions of Students Regarding Access Barriers in Distance Education Courses and Programs in Technology	\$3,580
2000	Chris Zirkle	DNA nicks in cultured mammalian cells caused by Aqueous Extracts of Cigarette Tar	\$890
2000	Eliezer Bermudez	Does ankle bracing effect peroneus longus response during sudden inversion following fatigue?	\$1,701
2000	Mitchell Cordova	Precise Genome Engineering via Cre-mediated Recombination	\$3,565
2000	Gary Stuart		\$4,500
2001	Shannon Novak	Balkan Skeletal Database	\$3,925
2001	Michael Angilletta	The Effect of Temperature on the body size of organisms: do lizards break the rules?	\$4,829
2001	Prodip Dutta	From Sand to Sandstone: Documenting the Total Change During Diagenesis	\$4,710

2001	Joshua Powers	Venture Capital Effects on University Technology Transfer and Case Studies of Four Commercialization Efforts	\$3,028
2001	Greg Kelly	The Hole Business: Doughnuts in American Culture	\$2,554
2001	Xiachuan Liu	Albumins as new biocatalysts and selective auxiliary for organic synthesis	\$6,950
2001	Wilson Warren	Changing Gender Roles and Relationships among Midwestern Meatpacking Workers	\$862
2001	F. Robert Hunter	Origins and Early Development of Tourism in the Middle East	\$5,012
2001	Gale Christianson	The Dauphin's Heart: DNA and the Reshaping of History	\$3,200
2001	Christopher Olsen	Political Culture in Nineteenth-Century America: A Ritualistic Perceptive on Voting and Elections	\$3,972
2001	Sudipto Roy	Adult Offenders in a Day Reporting Center: A Pilot Study on Exit	\$2,000
2001	Christine MacDonald	Evaluation of the Links Up Program for At-Risk Children and	\$2,405
2001	Michael Chambers	China as an Ally: China's Behavior with Asain Allies	\$4,441
2001	David Gilman	The Side Effects of State Mandated Educational Programs	\$4,000
2001	Keith Byerman	The Life and Art of Clarence Major	\$5,071
2001	Jeffrey Edwards	Validation of the GPAC	\$3,150
2001	Jay Gatrell	The Role of Weather in Midwestern Politics: Voter Turnout in Indiana and Kentucky 1990-2000	\$1,150
2001	Steven Lima	Putting the predator back into predator-prey interactions	\$7,200
2002	Kelly Brown	Working on Death Row: Comparing Job Experiences of Correctional Officers	\$803
2002	Bradley Balch	Stress Predictors in Public School District-Level Administration	\$1,000
2002	Basil Gomez	Self-organized criticality in layered sediments formed by landsliding	\$2,500
2002	dele jegede	Popular Art in Nigeria: The Osogbo School	\$3,200
2002	Qihao Weng	Assessing Urban Heat Island Extent and Growth Pattern in Metropolitan Indianapolis: A Multi-sensor Remote Sensing Approach	\$4,420
2002	Amelia Woods	Examining Innovative Practitioners: A Key to Instigating Change	\$2,450
2002	Michael Angilletta	Do Mothers Know Best?: An Experimental Investigation of the Maternal Effect of Nesting Site	\$5,650

2002	James Genova	Natural Rulers: Colonialism, Power, and Identity in France and French West Africa, 1914-1956	\$5,150
2002	James Speer	Dendrochronological Potential of Pinus Occidentalis in the Highlands of the Dominican Republic	\$2,226
2002	Stan Buchanan	Survey of Nonprofit Managers in Indiana	\$1,756
2002	Manindra Mohapatra	Correlates of Orientations Toward American Political Institutions and Public Policy Options Among the Asian Indian Immigrants: A Pilot Study of Notable Asian Indiana Immigrants in the USA	\$1,006
2003	Scott Dreher	Trace elements in plagioclase from the caldera-forming eruption of Aniakchak caldera, Alaska: implications for the development of bimodal ignimbrites	\$2,699
2003	Robert Van Sickle	Politics, Ideology and Culture in American Country Music, 1950-2000	\$1,043
2003	Jeffrey McNabb	Research and Development of a Programmable Logic Controller Training Simulator	\$1,386
2003	Stephen Gruenert	Assessment of School Culture in Public Schools	\$1,054
2003	Rusty Gonser	Genetic Variation of an isolated population of white-tailed deer	\$3,355
2003	Catherine Stemmans	Is a cadaver prosection laboratory experience more effective than a computer-based laboratory learning module for human anatomy knowledge?	\$2,362
2003	Jennifer Boothby	Approaches to Personal Injury Assessment Involving Chronic Pain: Pain Clinicians Versus Forensic Clinicians	\$1,202
2003	Timothy Demchak	The effects of therapeutic ultrasound on production of Prostaglandin E2 and Nuclear Factor-kappa B protein on the recovery process of injured muscle following acute blunt trauma	\$2,163
2003	Rosetta Haynes	Radical Spiritual Motherhood: The Construction of Black Female Subjectivity in Nineteenth-Century African American Women's Spiritual Autobiographies	\$720
2003	Anthony Rathburn	The Deep-Sea Murray Canyons offshore Kangaroo Island, Australia	\$3,550
2003	Alberta Davis Comer	Indiana Public Libraries: Use of the Internet	\$407

2003	Dana Rabin	Foreskins and Fornication: Gender, Race, and Legal Identity in Eighteenth-Century Britain	\$6,150
2003	Rocco Gennaro	Higher-Order Theories of Consciousness	\$2,150
2003	Xia-Chaun Liu	A Novel Method for the Design and Synthesis of Nanostructured Heterogeneous Catalysts for Asymmetric Hydrogenation Using Molecular Imprinting Technology	\$7,100
2003	Timothy Hawkins	Naval Reform and Colonial Administration in Bourbon Spanish	\$3,150
2003	Joseph Grcic	The Evolution of Rawls' Theory of Justice	\$2,150
2003	Amelia Woods	Mentoring Student Teachers: Springboard for Reflection and Action	\$2,350
2003	Ann Chirhart	Torches of Light: Teachers and the Modern State of Georgia, 1910-1950	\$4,580
2003	Davison Mupinga	Assessing the Professional Needs of Career and Technical Education Teachers in Indiana	\$3,883
2003	Charles Amlaner	Sleep Patterns in Ducks and Doves	\$4,046
2003	Marcella Stevens	Comparison of plasma proteins and stem cell growth using adult blood and cord blood samples	\$4,150
2003	Yuejian Peng	Regularity for Hypergraphs	\$3,350
2003	Ethan Strigas	The Assessment of the Demographic Factors and the Development of a Typology of Motivational Factors For Volunteers in Sport Events.	\$2,993
2003	Mohameden Ould-Mey	The Non-Jewish Origins of Zionism	\$113
2004	John Swez	Testing and improvements to the treatment of multiple-scattering corrections in the SAMMY R-Matrix analysis code.	\$360
2004	Swapan Ghosh	Immuno-adjuvencity of novel natural isoprenoids	\$6,198
2004	James Genova	Colonial Ambivalence, Cultural Authenticity, and the Limitations of Mimicry in French-Ruled West Africa 1914-1956	\$1,500
2004	Bradford Venable	Web Archive of Children's Art	\$3,387
2004	Basil Gomez	Deforestation and its impact on carbon storage on tributary floodplains in the Waipaoa River basin.	\$3,500
2004	Robert Jajcay	Diagonal flips in highly symmetric maps	\$4,650
2004	William Flurkey	Isolation of Tyrosinase for Structural Studies	\$2,000

2004	Carol Robinson	Number Sense in Elementary Children with and without Mathematical Learning Disabilities	\$5,874
2004	Ming Zhou	Knowledge based simulation modeling: Representation Models and Knowledge Base	\$700
2004	Joseph West	Electronic to vibrational energy processes in F(CN-) defect pairs in CsCl as a function of wavelength.	\$1,560
2004	Sandra Brake	Evaluation of Contaminant Attenuation and Storage in a Stream System Impacted by Acid Mine Drainage	\$4,049
2004	Paul Bro	Saxophone Soloists and Their Music: 1844-2004	\$1,181
2004	Elaina Tuttle	The Genetic Architecture of a Polymorphic Species	\$4,922
2004	Joshua Powers	Universities and Economic development: An Empirical Investigation of University Technology Licensing to Companies that go Public.	\$525
2004	James Scott	Assisting Democrats or Resisting Dictators? The Nature and Impact of Democracy Support through the U.S. Agency for International Development and the National Endowment for Effectiveness of Clinical Ultrasound Parameters on change intramuscular	\$2,000
2004	Timothy Demchak	A Survey of the Characteristics of Exercise Associated Muscle Cramp in NCAA Division I-AA Football Players.	\$4,297
2004	Marcus Stone	Religion and Economic Behavior; church initiated business development in African American churches in Chicago.	\$1,699
2004	Marci Littlefield		\$3,965
2004	Davison Mupinga	Identifying Challenges Facing the Training of Technical and Vocational Education Teachers in Kenya	\$1,505
2004	George Bakken	Ground truth calibration data for thermal mapping project	\$2,000
2004	Guo-ping Zhang	Ultrafast magnetic storage in ferromagnets	\$284
2004	Nancy McEntire	Women in Urban Legends: Scholarly Research and Writing	\$423
2004	Peter Scott	Is variation in forest size related to pollination success of forest wildflowers	\$1,500
2004	Sandra Alverez	An Analysis of Interracial Dating in a Midwestern College Town	\$515
2004	Laurence Rosenhein	Organometallic Compounds Designed for Multielectron Transfer	\$2,000

2004	Mary Ann Mclean	Chitinolytic Fungal Synergisms	\$3,590
2004	George Maughan	Study of Transformational Change and Training and Development in the Telecommunications Industry	\$1,609
2004	M.Affan Badar	Search-Based Sampling Procedure for Form Tolerance Evaluation Using CMM	\$660
2004	Gary Stuart	Combined use of Cre-recombinase and SB-transposase for manipulating genes in transgenic zebrafish	\$2,000
2005	Bassam Yousif	Development Under Conditions of Social Tension: the Case of Iraq	\$3,600
2005	Debra Israel	Demand for Environmental Protection and Charitable Donations to Environmental Causes	\$4,730
2005	Anne Foster	Colonial Opium Policies in Southeast Asia, 1850-1940: Challenges to Imperial Power and Moral Authority	\$7,120
2005	Kathleen Dannelly	Epidemiology of Methicillin Resistant Staphylococcus aureus Infections in the College Community	\$1,400
2005	Shawn Phillips	Health transitions in the Cayman Islands, 1885 to 1955: A pilot study	\$4,330
2005	Greg Kelley	Treasures of Tradition: Robert Louis Stevenson's Literary Use of	\$5,337
2005	Ozmun	The effect of weighted toys on play behavior in young children	\$1,560
2005	Richard Fitch	Chemistry and Pharmacology of Plant Alkaloids	\$6,285
2005	Michael Erisman	The Foreign Policy-Making Process in Revolutionary Cuba	\$5,644
2005	Michael Angilletta	Physiological tradeoffs and phenotypic integration in the evolution of a geographically widespread lizard	\$3,312
2006	Kimberly Federicks	Program Evaluation Practice: An Empirical Study of Indiana	\$1,779
2006	Kerri Berg	Picturing Empire: Du Camp, Salzmann and the Orient	\$5,592
2006	Ann Short Chihart	Forgotten Activists: Redefining the Early Civil Rights Movement in Georgia, 1940-1960	\$7,279
2006	Robert Fish	Child Rearing in Japan, 1930's-1989	\$5,230
2006	Brendan Corcoran	Contemporary Irish Poetry Research	\$7,237
2006	Diana Hews	The Vomeronasal Sensory Epithelium Used to Detect Conspecific Chemical Cues: Sex Differences, Androgen Regulation and Species Variation	\$2,444
2006	Timothy Demchak	Effect of Differing 3 MHz Ultrasound	\$894

2006	Amit Sinha	Fed Fund Rate Changes: Influences on the Price Formation and Liquidity in Treasury Futures Contracts	\$5,870
2006	Gary Stuart	Construction of Transgenic Fish Lines for Efficient Detection of Marker Gene Mobilization and Functional Genomic Analysis Via Insertional Mutagenesis	\$3,100
2006	David Howard	Effective Coping Following Cancer Diagnosis and Treatment: Investigation of Feasibility Studies within Complementary and Alternative Medicine	\$8,510
2006	Alden Cavanaugh	Performing the "Everyday: The Culture of Genre in the Eighteenth Century"	\$836
2006	Basil Gomez	Integrating Ground-Penetrating Radar (GPR) and Lidar Data to Investigate Flood Plain Formation	\$3,000
2007	Sudipto Roy	Convicted Drunk Drivers in Two Community-Based Correctional Programs: A Comparative Study	\$3,230
2007	Matthew C. Brennan	Poetry of William Gilmore Simms	\$4,411
2007	Arthur M. Halpern	Computational Study of Torsional Motion in Cage Compounds: Potential Energy Surfaces and Absolute Entropy Values	\$3,630
2007	Qihao Weng	A Protocol for Measuring and Validating Impervious Surface Data Derived from Medium Resolution Remote Sensing Imagery	\$6,474
2007	Timothy Hawkins	An Experiment in Enlightened Government: Colonial Uruguay and the Spanish Crown, 1775 - 1810	\$4,730
2007	Jennifer Latimer	Ocean anoxic events: A record of nutrient burial and diagenesis	\$6,230
2007	Linda Behrendt	Perceptions of Academic Dishonesty in the Social Sciences	\$500
2007	Stephen Wolf	Interdisciplinary Study of the Impact of Acid Mine Drainage on Tree Spectral Reflectance	\$3,500
2007	James Speer	Writing the seminal book on dendochronology as a science and its historical development	\$1,500
2007	Ryan Jensen	Spectral Detection of Vegetation Stress Caused by Acid Mine	\$2,000
2007	Davison Mupinga	The impact of an aging workforce on manufacturing industries in the Wabash Valley	\$1,413

2008	Allan Albig	Morpholino Knockdown Technique for Angiogenesis Research at ISU	\$5,000
2008	Kellie C Huxel	Stabilizing strategies of the shoulder in healthy older adults	\$5,840
2008	Rusty Gonser	Phylogenetic relationships of different populations of white-tailed deer	\$3,986
2008	Anthony Rathburn	Collaborative research on the ecology of seafloor foraminifera from the Pacific Ocean margin	\$5,200
2008	Thomas Steiger	Climate Change Isn't Just About the Temperature: Values, Attitudes, and Responses to Global Warming in Canada and the US	\$3,600
2008	Boris Blyukher	Development Methods for Improvement of Oil and Gas Pipeline Security and Defense Against Terrorism	\$3,100
2008	Sandra S Brake	Microscopic Analysis of Organosedimentary Structures in an Extreme Environment	\$5,378
2008	Elaina M Tuttle	The Genetics of Promiscuity	\$6,920
2008	Eric Glendering	Selective Oxidation of Methane on Transition Metal Oxide Cations	\$3,820