

**NKU, OFFICE OF RESEARCH, GRANTS, AND CONTRACTS
PROPOSALS SUBMITTED
FISCAL YEAR 2006 (MAY 2006)**

Department	Principal Investigator	Project Title	Funding Agency	Submission Date	Project Duration	Amount Requested
African American Student Affairs & Ethnic Services	Rhonda Sneed	Project Aspire	Kentucky Council on Postsecondary Education	05/22/2006	7/1/06 - 6/30/08	\$56,000
<p>This project will provide for educational programs and services of a special nature for minority students in order to change their aspirations and reduce high school dropout rates, prepare them for admission to and graduation from colleges and universities, and improve the recruitment of such students to Northern Kentucky University.</p>						
Associate Provost for Economic Initiatives	T. Keith Schneider	Progressive Knowledge Economy Development Plan for Rural Northern Kentucky (PKED)	U.S. Department of Agriculture	05/26/2006	8/1/06 - 4/30/07	\$50,000
<p>This project will create a robust, regional economic development plan for six southern counties of northern Kentucky including Bracken, Carroll, Gallatin, Grant, Owen, and Pendleton. The anticipated improvements that will result from the implementation of the plan will include increasing entrepreneurial activity and business startups, raising skill levels, and heightening career potential for country residents.</p>						
Biological Sciences	Charles Acosta	Determining Age and Growth in Commercially-important Coral Reef Fishes Using Otolith Metrics	Kentucky NSF EPSCoR Research Scholars Program	05/24/2006	8/21/06 - 5/20/07	\$5,000
<p>This student research project involves the development and analysis of methods for determining the ages of fishes and will be carried out by student Ana Hernandez.</p>						
Biological Sciences	Kristi Martines	NUE: Undergraduate Nanotechnology Experiences at Northern Kentucky University	National Science Foundation	05/16/2006	11/1/06 - 10/31/08	\$199,878
<p>This project will create nanotechnology research and classroom experiences for students at NKU. The team includes faculty from Biological Sciences, Chemistry, Philosophy, and Physics. The program will link nanotechnology research (four projects from all science departments) with nanotechnology education (three nanotechnology-related courses).</p>						

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Chase College of Law	Lisa Moore	Legal Services to the Poor and Administration of Justice	Kentucky Bar Association	05/11/2006	1/1/07 - 12/31/07	\$26,107

Kentucky IOLTA Fund

The funds will be used for Interest on Lawyer Trust Accounts (IOLTA) Fellows to assist public interest and pro bono attorneys in providing legal services to poor and indigent clients and in carrying out projects for the administration of justice.

Chemistry	Stefan Paula	Development of novel hydroquinone-based inhibitors of the sarco-endoplasmic reticulum calcium-ATPase	Research Corporation Cottrell College Science Awards	05/11/2006	5/1/07 - 4/30/09	\$34,809
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Using modern computational techniques, enzymology, and organic synthesis, novel inhibitors of the enzyme sarco-endoplasmic reticulum ATPase (SERCAA) will be developed. Based on predictions from computational docking, compounds will be synthesized and evaluated in bioassays. SERCA inhibitors are powerful tools for the study of enzyme's function and have been suggested to be of therapeutic value in cancer chemotherapy.

Department of Public Safety	Harold Todd	Kentucky Body Armor Program	Kentucky Department for Local Government	05/22/2006	6/1/06 - 6/30/08	\$1,655
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These funds will be used for the purchase of body armor for sworn officers at Northern Kentucky University.

Elementary, Middle, and Secondary Programs	Shawn Faulkner	Kentucky Middle School Implementation Project	Center for Middle School Academic Achievement	05/02/2006	7/1/06 - 6/30/07	\$8,562
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This project involves the collection of survey data statewide to assess the level of implementation of the middle school concept.

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Music	Toni Sheffer	The Bremen Town Musicians	Schlachter Family Donor Advised Fund	05/26/2006	2/1/06 - 3/31/06	\$2,500

This project is a commissioned work by Professor Emeritus Philip Koplou. Two of the NKU Music Preparatory Department Orchestras will premiere the composition with performances on NKU's campus and in the community at large.

Nursing & Health Professions	Marian Cummins	Health from the Heart	CIGNA Foundation	05/24/2006	7/1/06 - 6/30/07	\$20,077
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Health from the Heart provides nursing care, health education, linkage to primary care, and research into cost-effective interventions with underserved women. This project will fund operations in 2006-2007 while other avenues of funding are explored.

Nursing & Health Professions	Denise Gormley	Nurse Faculty Loan Program	U.S. Department of Health and Human Services Health Resources and Services Administration	05/09/2006	8/1/06 - 7/31/07	\$50,210
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This program is to establish student loans to full time students enrolled in an advanced degree program in nursing education.

Office of the Dean of Education & Human Services	Wanda Griffith	Kentucky Teacher Internship Program	Education Professional Standards Board	05/23/2006	7/1/06 - 6/30/08	\$253,148
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This project will provide training to the teacher educator, principal, and resource teacher to serve on the Kentucky Teacher Internship Program Committees.

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Office of the Dean of Education & Human Services	Paul Wirtz	Transition to Teaching	Kentucky Department of Education	05/23/2006	7/1/06 - 6/30/07	\$211,204

This project will focus on identifying, training, and mentoring non-certified teacher candidates employed by federally-identified school districts across Kentucky. NKU will also serve as the fiscal agent for Eastern Kentucky University and Murray State University.

Physics and Geology	Wayne Bresser	National Laboratory Initiative	Kentucky EPSCoR	05/26/2006	6/1/06 - 11/30/06	\$1,448
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The objective of this project is to determine the existence of the rigidity transition in glasses in two compositional systems using Raman and Infrared (IR) spectroscopy. Containerless glass samples will be processed in the Electrostatic Levitator at the NASA's Marshall Space and Flight Center.

Scripps Howard Center for Civic Engagement	Miles Wilson	Scripps Howard Foundation Internship Program	Scripps Howard Foundation	05/17/2006	5/15/06 - 12/14/06	\$2,000
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The Scripps Howard Foundation Internship Project provides funds for a student to gain valuable work and education experience at the Scripps Howard Center for Civic Engagement.

Steely Library	Jennifer Smith	Once Upon a Friday Night: Folktales from Afar	Target Stores	05/25/2006	9/1/06 - 11/30/06	\$2,000
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"Once Upon a Friday Night: Folktales from Afar" will be a family-friendly, child-focused event open to the community. The evening's activities are a prelude to the Ohio Kentucky Indiana Children's Literature Conference (Once Upon a Time..Around the World).

Department	Principal Investigator	Project Title	Funding Agency	Submission Date	Project Duration	Amount Requested
Technology	Daryl Orth	Measuring Safety Performance of NECA Contracting Members	ELECTRI International	05/30/2006	1/1/07 - 12/31/07	\$64,282

The goal of this project is to study safety performance of National Electrical Contractors Association (NECA) contracting members and to help identify the safety practices that are predominantly effective in helping these firms pursue the goal of zero incidents.

Technology	Ed Workman	Professional Development Technical Assistance for Technical Education Teachers - Carryforward Funds	U.S. Dept of Education KY Education Cabinet, Office of Career & Tech Ed	05/16/2006	7/1/06 - 9/30/06	\$2,284
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This project will promote career and technical education regionally, statewide, and nationally. Planned activities will enhance public awareness of technical education opportunities and the perceived value thereof, for programs and curricula of Kentucky technical education programs. Emphasis will be towards helping new and present in-service career and technical teachers.

Total Number of Proposals: 18

Total Funds Requested: \$991,164