

NKU, OFFICE OF RESEARCH, GRANTS, AND CONTRACTS
PROPOSALS SUBMITTED
FISCAL YEAR 2008 (APRIL)

Department	Principal Investigator	Project Title	Funding Agency	Submission Date	Project Duration	Amount Requested
Biological Sciences	Hazel Barton	Safeguarding Technologies for Research in Astrobiology (ASTRA)	National Aeronautics and Space Administration	04/07/2008	10/1/09 - 9/30/14	\$300,000

ASTRA (Advanced Safeguarding Technologies for Research in Astrobiology) aims to use advanced technologies to determine the microbial burden within spacecraft assembly facilities. NKU researchers will concentrate on the isolation and cultivations of oligotrophic microbial species. Any species that are isolated will be assessed for psychrophily.

Biological Sciences	Kristi Haik Martines	Expanding Drug Delivery to the Brain Using Novel Nanomaterials	Kentucky Biomedical Research Infrastructure Network	04/30/2008	5/1/08 - 4/30/09	\$52,803
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This grant will provide funding to expand current research regarding the design of nanostructures that cross the blood brain barrier and to test their effectiveness in doing so. These structures could potentially deliver drugs to the brain without damaging the blood brain barrier.

Center for Applied Ecology	Jessica Metzger	Urban Forestry Internship Program	USDA Forest Service Kentucky Division of Forestry	04/30/2008	8/1/08 - 7/31/09	\$9,860
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The goal of this program is to provide forestry education, technical training, and practical work experience to NKU undergraduate students. They will interact with urban forestry professionals, learn about potential career opportunities, and obtain marketable skills.

Communication	Jimmie Manning	Internalized Homophobia, Safe Sex, and Social Support	The Williams Institute/UCLA School of Law Small Grant Research Program 2008	04/24/2008	8/1/08 - 7/31/09	\$2,500
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This project will explore the relationship between internalized homophobia, perceived social support, and the propensity to negotiate safe sex practices. The goal of this research is to identify the need for mental health policies to include support for internalized sexual identity issues.

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Kentucky Center for Mathematics	Kirsten Fleming	PRIME: Preparing Regional Increases in Mathematics Educators - A Robert Noyce Teacher Scholarship Program	National Science Foundation Robert Noyce Teacher Scholarship Program	04/09/2008	5/15/09 - 5/14/14	\$749,011

The goal of this project is to increase the number of mathematics teachers who work in high schools. This will be accomplished by providing scholarships to junior and senior students, summer stipends to freshman and sophomore students, and enhanced services for the program participants.

Organizational Leadership	Melody Rawlings	Perkins Basic Grant 08/09	U.S. Dept of Education KY Office of Career & Technical Education	04/16/2008	7/1/08 - 6/30/09	\$56,709
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These funds will be used to improve and expand services for students enrolled in career and technical education programs.

Physics and Geology	Scott Nutter	TRACER-PLUS	National Aeronautics and Space Administration (NASA) The Pennsylvania State University	04/01/2008	1/1/09 - 12/31/12	\$120,000
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These funds will be used to upgrade the previous TRACER scintillator charge detector with a new design with improved coverage, light yield, and charge resolution.

Scripps Howard Ctr for Civic Engag & Nonprofit Dev	Mark Neikirk	NKU 2008 Help America Vote College Program	U.S. Election Assistance Commission Help America Vote College Program	04/17/2008	6/15/08 - 1/14/09	\$22,577
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This grant will fund a pollworker recruitment program on the NKU Campus aimed at getting more university students involved in the election process.

Department	Principal Investigator	Project Title	Funding Agency	Submission Date	Project Duration	Amount Requested
Scripps Howard Ctr for Civic Engag & Nonprofit Dev	Maggie Stevens	Mayerson Student Philanthropy Project - Administrative Budget - FY08/09	Manuel D. and Rhoda Mayerson Foundation	04/11/2008	8/15/08 - 8/14/09	\$20,750

This is a renewal of funding for administrative support for the 2008/2009 academic year for the Student Philanthropy Project.

Teacher Education and School Leadership	Lynne Smith	Reading First Coach - 2008/2009	Kentucky Department of Education	04/15/2008	7/1/08 - 6/30/09	\$130,893
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The Reading First Coach provides consultative services, professional development, and technical assistance to Reading First districts, schools, primary teachers, and K-12 special education teachers throughout the Commonwealth.

Teacher Education and School Leadership	Lynne Smith	Reading First Coach - Additional Funding	Kentucky Department of Education	04/14/2008	7/1/07 - 6/30/08	\$4,329
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The Reading First Coach provides consultative services, professional development, and technical assistance to Reading First districts, schools, primary teachers, and K-12 special education teachers throughout the Commonwealth. These funds will cover additional travel expenses for the program.

Total Number of Proposals: 11

Total Funds Requested: \$1,469,432