

NKU, OFFICE OF RESEARCH, GRANTS, AND CONTRACTS
GRANTS AWARDED FUNDING
FISCAL YEAR 2009 (NOVEMBER 2008)

Department	Principal Investigator	Project Title	Funding Agency	Award Notification Date	Project Duration	Amount of Award
Biological Sciences	Hazel Barton	Zara- Microbial Diversity of the Subterranean Aquifer at Wind Cave National Park	Zara Environmental	11/25/08	10/1/08 - 9/30/09	\$ 22,031

This project will provide specialized environmental, speleological and related services and consultations Zara Environmental. Most services will involve fieldwork above and belowground; locating, exploring, surveying, excavating and maintaining caves and karst features.

Biological Sciences	Hazel Barton	Kentucky Infrastructure in Ecological Genomics (KIEG)	Kentucky NSF EPSCoR	11/3/08	6/1/08 - 5/31/13	\$ 200,000
			EPSCoR RII			

To understand the physiological adaptation that microbial ecosystems undergo in response to nutrient stress, this research will examine cave systems using a combination of molecular and cultivation techniques, along with methods from the geological and chemical sciences.

Biological Sciences	Joseph Mester	Undergraduate Research Grants in Immunology	Beta Beta Beta Biological Society	11/25/08	1/1/09 - 6/30/09	\$ 1,392
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Three undergraduate research proposals were submitted to the Foundation. The first will identify specific virion components capable of modulating the cellular immune response. The second will examine human immune recognition of prion peptides. The third will probe modulation of specific genes thought to be involved in the pathogenesis of Alzheimer's Disease. The projects all employ molecular biology techniques to define specific aspects of the cellular immune response.

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Biological Sciences	Sabine Zacate	SpiroFast Technologies - Additional Funds	SpiroFast Technologies	11/3/08	6/15/06 - 12/14/09	\$ 19,886

A continuation of a validation of fastidious organism identification will be performed using a novel biotechnological growth medium.

Kentucky Campus Compact	Gayle Hilleke	2008 Kentucky Campus Vote Initiative	Public Life Foundation of Owensboro	11/18/08	10/1/08 - 12/31/08	\$ 6,000
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The 2008 Kentucky Campus Vote Initiative is part of a national non partisan effort to get more college students registered to vote, informed about issues, and out to the polls in November. The Kentucky program director will support all the colleges and universities in Kentucky in working toward these goals.

Kinesiology, Health and Educational Foundations	Lenore Kinne	Enlivening and Energizing EPAS Professional Development	Kentucky Council on Postsecondary Education	11/26/08	1/1/09 - 6/30/10	\$ 140,000
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This project, for its second year, will use a train the trainer model of professional development for science and mathematics teachers from three high need KY districts (Covington, Dayton, Newport). The goals of the project are to use EPAS (Educational Planning and Assessment System) results to inform research based instructional strategies that build mathematical and scientific knowledge and reasoning in middle and high school students.

World Languages and Literatures	Carol Anne Costabile-Heming	Achieving World Language Competency Through formative & Summative Assessment	Kentucky Department of Education	11/24/08	10/1/08 - 6/30/10	\$ 230,000
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The goal of the project is process and product oriented. Goal 1.1 (product) is for a cohort of teachers to develop and implement a suite of assessments that guide instruction toward preparing students to meet the novice high competency level required for graduation in 2016. Goal 1.2 is for teachers to be able to train other teachers in this process. Goal 1.3 is for students to be able to provide evidence of how they meet can-do benchmarks by selecting work samples for the LinguaFolio dossier.

Total Number of Awards: 7

Total Funds Awarded: \$619,309