2012 Faculty-Undergratuate Student Engagement (FUSE)

Award Recipients & Project Titles

College of Education & Behavioral Sciences

Michael	Armstrong	Rick Grieve	Cluster Analysis of Personalities and Political Preference on Collegiate Greek Letter Social Organizations
Amanda	Cook (Keith)	Lisa Duffin	N/A
Jessica	Parks	Aaron Wichman	Can persuasion research increase commitment to breastfeeding? A test of women's resistance to pro-infant formula messages
Molly	White	Rick Grieve	Indications of Body Dysmorphic Disorder from Stroop test results

College of Health & Human Services

Amy	Correll	Dana Bradley	Understanding Stroke: a study on patient/caregiver stress and coping following a stroke in Broca's area (speech production) or Wernicke's area (speech comprehension)
Ashley	King	Raymond Poff	Students Serving People: Perceived Benefits of Direct Community Service
Breanna	Nuckols	Molly Kerby / Gayle Mallinger	Sense of place and the intersectionality of diverse sexual identities: An intergenerational, mixed-methods analysis of women's music festivals

Ogden College of Science & Engineering

Charles	Coomer	Rodney King	The Reduction of Bacterial Contaminants in Fuel Ethanol Production through Targeted Bacteriophage Infection
Zhibo	Yuan	Rui Zhang	Synthesis and Kinetic Studies of Porphyrin-Iron(IV)-Oxo Radical Cations
Adam	Smith	Chad Snyder	Synthesis and Characterization of Some Group VII substituted Pyridazyl Complexes
Levi	Dopierala	Chad Snyder	Synthesis and Characterization of Some Pyridazyl Rhenium and Manganese Complexes
Dillon	Pender	Rajalingam Dakshinamurthy	Understanding the Role of Osmolytes in Protein Stability- Relevance in Alzheimer Research

Matthew	Gonzalez	Rajalingam Dakshinamurthy	Synthesis of psychiatric drug capped gold nanowires and their applications
Alice	Byrne	Hemali Rathnayake	Nano-scale Organic Plastics for Green Energy Technology
Matthew	Byrne	Hemali Rathnayake	Power Generation from Heat Utilizing Carbon-based Macromolecules
Owen	Gaulle	Louis-Gregory Strolger	N/A
Ronald	Strecker	Nilesh Sharma	Effect of gallium nanoparticles on inflammatory response in mice
Samuel	Burns	Joel Lenoir	Closing the Reverse Engineering Loop: Laser Scanning as the Bridge from Legacy Part to CAD to CNC Machining
Steven	Calhoun	Bangbo Yan	Synthesis of a stable hybrid material containing a ruthenium polypyridine complex and a polyoxometalate
Samuel	Dong	Phillip Womble	Development of a Forensics Tool for the Bowling Green Police Department
Morgan	Armistead	Shahnaz Aly	Dual approaches to physical modeling in the Architectural Design Studio – A Study
Timothy	Moye	Joel Lenoir	Two, Three, and Four Axis CNC Machining Capability Study Using Full Carbide Tooling
Victoria	Gilkison	Albert Meier	Comparisons of Genetic Diversity among Disjunct Populations of Magnolia tripetala
Justin	Hayes	Robert Choate	A Method to Determine Building Envelope and Duct System Integrity through the Quantification of Air Flow Exfiltration Rates
Adam	Edge	Bruce Schulte	Examining human perception of big elephants and large trees for insights into African savanna ecosystem conservation
Daniel	Jackson	Kevin Williams	The Use of Molecular Mechanics in the Synthesis of Platinum (II) Diaminecyclohexance Compounds
John	Clark	Michael Stokes	Foraging Analysis of Reintroduced Black Rhino (Biceros dicornis)
Justn	Cave	Joseph Islas	Geological Applications in Remote Sensing Using Varietal Datasets
Jason	Leszszsewicz	Edward Kintzel	Controlled growth of ultrathin molecular films

Ariel	Beam	Yan Cao	Renewable Biomass-derived Liquid Fuels
Morgan	Murrell	jarrett Johnson	Patterns of gene flow in a western toad (Bufo boreas) metapopulation
Jason	Howard	Andrew Wulff	Characterization of Gold Deposits from the Cortez and Carlin Pits of NE Nevada
MacKenzie	Perkins	Michael Smith	Growth hormone (GH) prophylactic effects on zebrafish auditory hair cell damage
Charles	Hancock	Andrew Wulff	Characterization of Gold and Ore Deposits from the Homestake Mine Area in South Dakota
Logan	Eckler	Matthew Nee	Molecular Dynamics Simulations of Aqueous Nitrate Solutions
Keyana	Boka	Steve Huskey	What's That Hooting Sound? A Survey Of The Gross Anatomy Of A Novel Sound-producing Mechanism In Chameleons
Suzanne	Scott	Keith Philips	Molecular systematics and evolution of the Ptinidae (Coleoptera: Bostrichoidea) and related families
Jordon	Olberding	Ajay Srivastava	The Effect of α2NC1 on Tumor Growth and Metastasis
Rachel	Beyke	Michael Stokes	Eastern Black Rhino Home Range Activity Base on Human Disturbances
Jonathan	Serpico	Ivan Novikov	Simulating the performace of the 3He-tager/detector system for the n3He parity violation experiment at the Oak Ridge National Lab
Michael	Powers	Aaron Celestian	Enhanced Nanoporous Minerals for Energy Processes

Potter College of Arts & Letters

Ethan	Morris	Glenn LaFantasie	The Motivation of Kentucky's Union Soldiers during the Civil War
Joel	Fickel	Kristina Arnold	Interdisciplinary Conversations: Art & Theatre for Social Change
Daniel	Shouse	Jeffery Samuels	N/A
Ashley	Fitzsimons	Holli Drummond	Measuring Empowerment: a Program Evaluation of the Sal y Luz Youth Organization in Medellin, Colombia

Lauren	French	Liza Kelly	Summer 2012 Plans-SongFest2012
Jordon	Campbell	Tracey Moore	Using Musical Theatre for social empowerment in Ghana
Joseph	Southworth	Paul Fischer	Duan Chengshi's Miscellaneous Morsels from Youyang: Eccentric Patterns Captivating Across Centuries
Adam	Johnson	Audrey Anton	Luxury and Leisure: The Philosophy of Happiness