

Graduate School Research Grants Awarded – Academic Year 2017-18

Catherine Luna, *Associative Learning in Musical Contexts* , \$738.99

Teresa Wiczynski, *Interactions Between Aerobic Exercise Volume, Academic Stress, and Immune Function*, \$2998

Nathaniel Zbasnik, *The Impact of Exotic Lionfish on the Feeding Success of the Endemic Spotted Scorpionfish*, \$1000

Khomidkhodzha Kholikov, *Graphene Quantum Dot Synthesis using Nanosecond Laser Pulses and its Comparison to Methylene Blue*, \$2920

R. Lynn Von Hagen, *An Investigation of the Efficacy of Mitigation Techniques to Alleviate Human Elephant Conflict in the Kasigau Wildlife Corridor, Kenya*, \$1000

James Shelley, *Modeling and Evaluating the Influences of Class V Injection Wells on Urban Karst Hydrology*, \$1,000

Rachel Kaiser, *Developing a Conceptual Framework for Urban Karst Groundwater Monitoring and Management*, \$3,000

Romney Meek, *Design and Development of Graphene-based Amperometric Biosensor for Sensitive Detection of Ascorbic Acid*, \$1946

Shelby Bowden \$1000

“Constraining Cenozoic Incision and Uplift of the Ethiopian Plateau through Low Temperature Thermochronology,”

Tucker Cambridge \$1000

“Species Distribution and Genetic Diversity of the Trilling Chorus Frogs in Kentucky”

Krystal Carver, Sociology (Dr. Holli Drummond) \$1440

“From Education to Incarceration: A Study of Disproportionality of Hardin County, Kentucky Schools,”

Kendra Gilmore, \$1293.50

“Balance Training with an External Focus of Attention for Older Adults: a Case Series”

Kathryn Laslie, \$1000

“Production and Detection of Substrate-Borne Vibrations in Chameleons,”

Samuel Tegge, \$1000

“Implicating the muscles responsible for biotremors in chameleons”

Soujanya Chetluru, Psychology (Dr. Rick Grieve) \$2143
Mindful Eating and Eating Pathology: Correlation Between the Mindful Eating Questionnaire and the Eating Disorder Inventory-3

Divya Gadde, Public Health (Dr. Ritchie Taylor) \$1,918
Assessment of Ergonomics in Indian Dental Practice

Leslie Hinken, \$2993
Correlation Between Female Athlete Screening Tool (FAST) Scores and Biomarkers to Identify Female Athlete Triad Among Collegiate Athletes and to Evaluate the Validity of the Instrument

Mark Logan, \$600
Relationship Between Male Athletic Identity and Romantic Relationship Satisfaction

Rilee Mathews, Psychological Science (Dr. Matthew Shake) \$425
Mind Wandering Pupil Goal Study

Kristina Peterson, \$500
The Effect of the Type of Mental Disorder on Mental Health Stigma

Jalen Rhodes, Psychology (Dr. Anthony Paquin) \$2900
Fostering Peace and Leadership: A Project for the Black Mamba Anti-Poaching Unit

Allison Quiroga, Geography & Geology (Dr. Jason Polk), *Determination of Carbon Flux in Icelandic Glacial Rivers under a Changing Climate*
= \$1,000

Mercy Ebuete, Architectural & Manufacturing Sciences (Dr. Mark Doggett), *Implementation of 5S at a Surveying Laboratory in Western Kentucky University* = \$1,382.62

Cayla Baughn, Geography & Geology (Dr. Chris Groves), *Evaluation of Untreated Karst Groundwater as Community Water Sources, Barren, and Monroe Counties, Kentucky*
= \$1,901.11

Nathan Powers, Biology (Dr. Ajay Srivastava)
Preliminary Characterization of a Basement Membrane-Associated Protein in Drosophila Melanogaster = \$2,800.00

Cesalea Osborne, Geography & Geology (Dr. David Keeling), *Hydrogeology of the Hidden River Groundwater Basin, Horse Cave, Hart County, Kentucky*
= \$2,997.00

Jenna Hammond, Geography & Geology
(Dr. Leslie North), *The Effectiveness of Mobile Eye-Tracking to Enhance Guided Show Cave Experiences* = \$3,000.00

Olivia Gearer, Biology (Dr. Keith Philips)
The Amazing Diversity of Spider Beetles and their Evolution in Southern Africa
\$3,000

Brett Hodinka, Biology (Dr. Noah Ashley)
Behavioral and Physiological Costs of Sleep Loss in Arctic- and Temperate- Breeding Passerine Birds \$3,000.00

Dennis Hodzic, Biology (Dr. Michael Smith)
Investigating How EF-24 and Cisplatin Effect Cancer, Renal, and Auditory Cells
\$3,000.00

Lauren McCaslin, Biology (Dr. Bruce Schulte)
Documenting Marine Mammal Behavior and Evaluating the Benefits and Consequences of Viewing Marine Mammals in Southcentral Alaska
\$3,000.00

Brigit Rooney, Biology (Dr. Bruce Schulte)
Conservation Applications using the Landscape of Fear for African Elephants in Mosi-oa-Tunya National Park, Zambia
\$3,000.00

Lora Haley Ashley, Communication (Dr. Jennifer Mize Smith)
Faculty and Staff Giving
\$700.00

John Schroader, Psychological Sciences (Dr. Betsy Shoenfelt)
Perceptions of Uncivil and Sexual Harassment Workplace Behaviors by Gender and Employment Status
\$1,200.00

David Haydon, English (Dr. Dale Rigby)
On the Want of Symmetry
\$1,100.00

Nga Nguyen, Sociology (Dr. Steve Groce)
Grandfamilies in Vietnam: Grandparents' Engagement in Grandchildren's Homework and Academic Performance at School
\$2129.46

Joshua Smith, Biology (Dr. Michael Smith)

Investigating the Apoptotic Effect of Platinum-Based Amine Compounds with One Leaving Ligand on Zebrafish Auditory End Organs.

\$1,000.00

Chelsey Kipper, Geography and Geology (Dr. Pat Kambesis)

A Geochemical Comparison of Two Telogenetic Karst Springs during Reverse Flow, Mammoth Cave, Kentucky

\$ 3,000.00

Jason Fox, Geography and Geology (Dr. Leslie North)

Assessment of Tourism Development Impacts on Arctic Coastal Landscapes using an Indexing Approach

\$ 2,000.00

Fernando Hernandez, Geography and Geology (Dr. Jason Polk)

Geochemical Responses to Seasonal Changes and Storm Events on Telogenetic Karst in the Caney Fork River, Cumberland Plateau, Tennessee.

\$2960