



15th Annual Research Symposium

Wednesday, April 17, 2024

Barkley Room, Curris Center

8:00 – 11:30 A.M.

Session Chair: Dr. Howard Whiteman

- 8:00 **Coffee, fruit, and pastries**
- 8:25 Welcome – Dr. Howard Whiteman, WSI Director
- 8:30 **Megan Zerger** - Biological Sciences/Watershed Science
Assessing the Interaction of Stress Physiology and Bd Infection in Arizona Tiger Salamanders (Ambystoma mavortium nebulosum)
- 8:45 **Marissa Miles** - Biological Sciences/Watershed Science
The Relationship Between Hydrogeomorphic Settings and Greenhouse Gas Emissions from Soils and Stems in Western Kentucky's Freshwater Mineral Soil Wetlands
- 9:00 **Cord Lemons** - Biological Sciences
Can Red Wolf Audio Cues Establish a Landscape of Fear Within a Naive Mesopredator Population?
- 9:15 **Melissa Ocampo** - Biological Sciences/Watershed Science
Does Climate Change Promote Cannibalism?
- 9:30 **Isiah Radford** – Biological Sciences

*The Effects of Organic Matter Distribution on Microbial
Community Composition, Mass Loss, and Methane Emissions*

9:45 Break

10:00 **Andrew Brown** - Biological Sciences

Will Climate Change Affect Eco-evolutionary Feedbacks?

10:15 **Elliot Clouse** - Biological Sciences

*Assessing Multi-scale Patterns of Woodpecker Density and
Community Structure in a Bottomland Hardwood Forest*

10:30 **Clay Thompson** – Biological Sciences/Watershed Science

Kentucky Lake Zooplankton Analysis

10:45 **Garret Gallion** – Biological Sciences

*Assessing Spatio-temporal Patterns of Habitat Quality and
Availability for Interior Mid-Continental Shorebird Stopover
Sites*

11:00 **Megan Brandt** - Biological Sciences

Can eDNA Be Used to Locate Shawnee Hills Cavefish?

