3 MINUTE RESEARCH PITCH

Mississippi State University

April 12, 2024

1:30 p.m. to 4 p.m.

WELCOME
1:30 p.m.

SESSION 1
1:35 p.m. to 2:00 p.m.

Emma Palmer, Biochemistry, *Increased levels of MMPs impair motor function in a fly model of spinocerebella ataxia type 1*

Tyrus Smith, Psychology, *Individual Difference in Strategy Selection*

Naoufel Ghannami, Mechanical Engineering, *Resilience Quantification of Space Habitats through Virtual Testing*

Elena Palomino, Marketing, *Hail State and Tip Your Server: The interplay between tip framing techniques and social identity to influence restaurant tip choices*

Logan Carlson, Physics, *A Cost-Effective At-Home Raman Spectroscopy Setup in Comparison with Commercial Alternatives*

Catherine Kalmbach, Animal & Dairy Sciences, *Solubility and degradation of human fertility-promoting molecules in a rumen environment*

Daniel Hogan, Biomedical Engineering, *A redesign of the Omnipod Automated Insulin Delivery Device*

BREAK *2:05 p.m. to 2:15 p.m.*

SESSION 2
2:15 p.m. to 2:40 p.m.

Jillian Robinette, Agribusiness, *Improved Herbicide Selectivity in Tomato by Safening Action*

Lana Evans, Biological Sciences, *Time Restricted feeding reduces progressive proteinuria in obese Dahl salt-sensitive rats prior to puberty*

Madelyn Hunter, Biochemistry, *Circadian locomotor activity patterns exhibit sexual dimorphism in a Dosophila model of Spinocerebella ataxia Type 1*

Jacqueline Enriquez, Architecture, *Indigenous Technologies in Architecture*

Jennifer Bittner, Microbiology, *Laboratory Studies of Movement and Microenvironment Choices of Engorged Adult Female Gulf Coast Ticks, Amblyomma maculatum*

Deja Howard, Psychology, *FirshFirst! Zambia: ComFA+Fish: A Innovative Solution Addressing Childhood Malnutrition in Zambia and Beyond*

Tony Owens, Interdisciplinary Studies*, An investigation into Social Vulnerability and Flood Risks in the Yazoo-Mississippi Delta*

Kyla Hunter, Aerospace Engineering, *Expanding Horizons: Exploring Sparrowhawk Marine Radar's Potential in UAS Operations*

CLOSING REMARKS AND PEOPLE'S CHOICE VOTING *2:40 P.M.*