

Research Week 2022

Oral Presentation Schedule

Tuesday, February 15, Zoom

11:45am — Kick off: Dawn F. Underwood, PhD, Vice President of Research

12:00pm – Keynote Speaker

Kara E. Yopak, PhD, University of North Carolina Wilmington

1:00pm - Divya Thomas

Blood BDNF concentrations reflect brain-tissue BDNF levels during early and later adolescence stages

1:20pm - Christy Eslinger

In-vitro model to study colon inflammation using 2,4,6-trinitrobenzenesulfonic acid

1:40pm - Nathan Ong

Intraskelatal Histovariability of Chelydra serpentina

2:00pm - Chelsea Pierce

Decreased serum levels of proBDNF, but not mature BDNF during adolescent oxycodone intoxication preceding long-term social neglect and harsh environmental conditions

2:20pm - Audrey Wise

Are patient-reported outcomes completely reported in randomized controlled trials on colostomy and ileostomy interventions?

2:40pm - Joshua Muia

Protease Substrate Profiling of Proatherogenic Metalloprotease ADAMTS7 Using High-Throughput Peptide Screening

3:00pm - Ilias Marmouzi

$\alpha 7$ nicotinic acetylcholine receptor potentiation downregulates chemotherapy-induced glial overactivation

Thursday, February 17, Tandy 411

11:30am – Introduction to LabArchives Research Management (Virtual)

Linda Cubias, LabArchives

1:00pm – Cole Phelps

Toward Taming the Chemical Reversibility of Perfluoropyridine through Molecular Design with Applications to Pre- and Postmodifiable Polymer Architectures

1:20pm – Carolyn Tyler

The role of Brain-derived Neurotrophic Factor in the nucleus accumbens and the periaqueductal gray area during naloxone-precipitated oxycodone withdrawal in adolescent rats

1:40pm – Daniel Reed

Antibacterial properties of a novel hydrophobic melanin-inspired derivative for gram-positive bacterial pathogens

2:00pm - Celine Cortes

The Impact of Historical Sympatry on Wolf-like Canid Genetics and Ecology in the Southern Great Plains

2:20pm - J. Cameron Barton

Validation of a Novel ADAMTS13 Assay Substrate for Characterization of Patients With Thrombotic Thrombocytopenic Purpura

2:40pm - Brenna Hart-Farrar

Growth series histology in ornithischians Centrosaurus and Maiasaura compared to a perinate theropod Gorgosaurus

3:00pm - Anna Platt

Discovering Substrate for ADAMTS7 - a Metalloprotease Implicated in Coronary Artery Disease

3:20pm – Radhika Pande

Involvement of DNA methylation associated protein, Methyl-CpG-binding protein 2, in the regulation of NGF gene expression during colonic inflammation