

TENNESSEE PHYSIOLOGICAL SOCIETY FALL MEETING

OCTOBER 30, 2017

QUILLEN COLLEGE OF MEDICINE

EAST TENNESSEE STATE UNIVERSITY

- 8-8:45 am **Continental Breakfast – Registration/Check-in/Poster Setup**
Stanton-Gerber Hall (VA Building 178) – Ground Floor Foyer
- 8:45-9 am **Opening Remarks**
Nancy B. Stanton Auditorium
- 9-9:30 am **The Role of Bioactive Lipids in Transient Receptor Potential Channels Function.**
Julio Cordero-Morales, PhD,
Department of Physiology
University of Tennessee – Memphis
- 9:30-10 am **Mistargeting of secretory Na-K-2Cl cotransporter as a novel disease mechanism.**
Rainelli Koumangoye, PhD
Department of Anesthesiology,
Vanderbilt University School of Medicine
- 10-10:30 am **Linking Defects in Tubular Uromodulin to an Increased Risk of Hemodynamic Mediated Glomerular Injury in Dahl SS Rats.**
Aaron Polichnowski, PhD
Department of Biomedical Sciences
Quillen College of Medicine
- 10:30-11 am **Break**
- 11-11:30 am **Molecular substrates of addiction: Plasticity of nucleus accumbens neurocircuits.**
Brad Grueter, PhD
Department of Anesthesiology,
Vanderbilt University School of Medicine
- 11:30-noon **Protective effects of the ketone body beta-hydroxybutyrate on *C. elegans*.**
Patrick Bradshaw, PhD
Assistant Professor
Department of Biomedical Sciences
Quillen College of Medicine

- Noon-1 pm **Lunch**
- 1-2 pm **Poster Session**
- 2:2:30 pm **Designing Liposomal Nanoparticles for Vascular Therapeutics**
Deidra J.H. Mountain, PhD
Vascular Research Laboratory - Department of Surgery
University of Tennessee Graduate School of Medicine
Knoxville, TN
- 2:30-3 pm **Therapeutic mechanisms of vagus nerve stimulation in heart failure.**
Eric Beaumont, Ph.D.
Department of Biomedical Sciences
Quillen College of Medicine
- 3-3:15 pm **Break**
- 3:15-4:15 pm **KEYNOTE LECTURE:**
- Regulation of fibroblast activation and fibrosis in the heart.**
Wayne E. Carver, PhD
Professor of Cell Biology and Anatomy
University of South Carolina Medical School
Columbia, SC
- 4:15-4:30 pm **Closing Remarks**