



University of Tennessee
College of Veterinary Medicine

RESEARCH DAY

September 21, 2020
8:00-11:15am

*Featured Speaker: Distinguished Professor Barry Rouse
11:15am "The COVID-19 Pandemic..."*

Phi Zeta Induction - 12:00pm

Program and Schedule

UTCVM
INSTITUTE OF AGRICULTURE
THE UNIVERSITY OF TENNESSEE

8:00-9:30am Presentations (Sessions A-B-C)

View abstracts by [clicking here](#)

Session A

Room: Sequoyah

Zoom Link: Join from PC, Mac, Linux, iOS or Android: <https://tennessee.zoom.us/j/96388854670>

Time	Presenter's Name	Presentation Title
8:00-8:15	Grace Pawsat	Comparison of Iron Staining & Scoring Methods on Canine Bone Marrow Aspirates
8:15-8:30	Beth Wilson	The Effect of Calcium and Dairy on Weight Loss and Body Composition in Overweight and Obese Adults
8:30-8:45	Allison Renwick	Undernutrition suppresses kisspeptin and neurokinin B protein expression in wethers
8:45-9:00	Natalie Chow	Sedative effects and pharmacokinetics of detomidine when administered intravenously and intravaginally as a gel to alpacas
9:00-9:15	Karen Shaw	Equine Electromyographic Activity During Therapeutic Exercise with the Elastic Resistance Bands
9:15-9:30	Austin Bow	A Streamlined Approach for Processing RNA-Seq Data

Session B

Room: A118

Zoom Link: Join from PC, Mac, Linux, iOS or Android: <https://tennessee.zoom.us/j/98045564674>

Time	Presenter's Name	Presentation Title
8:00-8:15	Jennifer Lord	Geographic disparities of pre-diabetes and diabetes in Florida
8:15-8:30	Tamara Chavez-Lindell	Human and animal health concerns in rural communities of Ecuador
8:30-8:45	Tamara Chavez-Lindell	Geographic Disparities and Predictors of Diabetes Mortality Risks in South Africa, 2002-2016
8:45-9:00	Md. Marufuzzaman Khan	Geographic disparities and temporal changes of diabetes prevalence and diabetes self-management education (DSME) program participation in Florida
9:00-9:15	Allison Andrews	Epidemiology of Bovine Anaplasmosis in TN Cattle
9:15-9:30	Emily Kent	Control of Salmonella Dublin in a Dairy Herd

Session C

Room: A335

Zoom Link: Join from PC, Mac, Linux, iOS or Android: <https://tennessee.zoom.us/j/93740934085>

Time	Presenter's Name	Presentation Title
8:00-8:15	Laura Horton	Investigation of blackhead (<i>Histomonas meleagridis</i>) outbreak in domestic turkeys on a private farm in eastern Tennessee
8:15-8:30	Tania Dawant	Determining the Prevalence of <i>Toxoplasma gondii</i> in a population of waterfowl
8:30-8:45	Wesley Siniard	Clinical pathology of Bsal chytridiomycosis: Electrolyte and serum protein analyses of infected <i>Taricha granulosa</i>
8:45-9:00	Anastasia Towe	<i>Batrachochytrium salamandrivorans</i> lesions in larval Northern two-lined salamanders (<i>Eurycea bislineata</i>)
9:00-9:15	Ashley Reeves Wilmoth	Assisted Reproductive Techniques in Free-Ranging Ocelot and Bobcat Populations of South Texas
9:15-9:30	Ashley Reeves Wilmoth	Wild Felid Health and Disease Assessment on East Foundation's El Sauz Ranch

Break 9:30-9:45am

9:45-11:15am Presentations (Sessions D-E-F)

View abstracts by [clicking here](#)

Session D

Room: Sequoyah

Zoom Link: Join from PC, Mac, Linux, iOS or Android: <https://tennessee.zoom.us/j/96388854670>

Time	Presenter's Name	Presentation Title
9:45-10:00	Amber MacDonald	Osteoblast Gene Expression in Human Mesenchymal Stem Cells
10:00-10:15	Alisha Pedersen	Osteoinductive potential of degradable polyester urethanes impregnated with nano-hydroxyapatite, with and without decellularized bone particles: rat subcutaneous implant model
10:15-10:30	Alisha Pedersen	Ex Vivo Assessment of a Novel Prototype Large Animal Skin Stapler
10:30-10:45	Caroline Billings	In vitro evaluation of cell proliferation and viability when exposed to a collagen matrix with or without impregnation with gentamicin
10:45-11:00	Kassandra Downing	Effects of local gentamicin delivery on tissue-implant interfaces
11:00-11:15	Rebecca Rifkin	Genomic Analysis of <i>S. Aureus</i> Induced Osteomyelitis

Session E

Room: A118

Zoom Link: Join from PC, Mac, Linux, iOS or Android: <https://tennessee.zoom.us/j/98045564674>

Time	Presenter's Name	Presentation Title
9:45-10:00	Erin Duble	Usefulness of pulmonary arterial end-diastolic forward flow (EDFF) in predicting right ventricular remodeling in precapillary pulmonary hypertension and pulmonic stenosis in dogs
10:00-10:15	Blake Andrews	Symmetric dimethylarginine (SDMA) in captive tigers (<i>Panthera tigris</i>)
10:15-10:30	Elizabeth V. Anglin	Clinical characteristics, prognostic factors, and outcome in dogs diagnosed with multiple acquired portosystemic shunts (MAPSS)
10:30-10:45	Luca Giori	Iatrogenic Effect of Trilostane (VETORYL®) on Adrenal Steroids Synthesis in Dogs
10:45-11:00	Silke Hecht	Agreement between MRI and CT in the identification of skull fractures in a canine and feline cadaver model

Session F

Room: A335

Zoom Link: Join from PC, Mac, Linux, iOS or Android: <https://tennessee.zoom.us/j/93740934085>

Time	Presenter's Name	Presentation Title
9:45-10:00	Michelle Dennis	Growth anomalies in Caribbean faviid corals - it's not a tumor!
10:00-10:15	Amanda James	Prevalence of chelonid alpha herpesvirus 5 and associated disease in sea turtles in Grenada, West Indies
10:15-10:30	Peter Sojka	Using FISH to Investigate Mu- and Kappa-Opioid Receptor Distribution in the Budgerigar Brain
10:30-10:45	Engin Berber	The role of glucose metabolism on HSV-1 pathogenesis and regulation of blood-brain barrier (BBB) permeability
10:45-11:00	Deepak Sumbria	Supplementing the diet with Sodium Propionate suppresses the severity of viral immuno-inflammatory lesions
11:00-11:15	Jane Woodrow	Analysis of Bronchoalveolar Lavage Reveals Mast Cell Chymase Dysregulation and IFN-gamma as Possible Indicators of Equine Asthma Categories

11:15am

FEATURED SPEAKER: Distinguished Professor Barry Rouse

"The COVID -19 Pandemic: What we think we know and still need to discover"

Join from PC, Mac, Linux, iOS or Android: <https://tennessee.zoom.us/j/93740934085>

12:00pm

2020 Phi Zeta Induction

Join from PC, Mac, Linux, iOS or Android: <https://tennessee.zoom.us/j/94680365037>