

The LSU School of Veterinary Medicine presents:

# PHI ZETA

## RESEARCH EMPHASIS DAY



APRIL 25, 2025

8 AM - 2 PM

LSU School of veterinary Medicine

### TAU CHAPTER OF PHI ZETA

Phi Zeta Research Emphasis Day is sponsored by the Tau Chapter of the Society of Phi Zeta—The National Honor Society of Veterinary Medicine. Phi Zeta recognizes and promotes scholarship and research in matters pertaining to the welfare and diseases of animals. Phi Zeta Research Emphasis Day promotes research in veterinary medicine; recognizes the research being conducted by our veterinary students, residents, graduate students and faculty; and encourages veterinary students to pursue careers in veterinary research. The Tau Chapter of Phi Zeta was established on March 30, 1977, with Dr. C.W. Titkemeyer as Chapter President. Phi Zeta is the abbreviation of the Greek word Philozoi, which means “love of animals.”

**LSU** | **School of  
Veterinary Medicine**

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# WHAT DOES PHI ZETA MEAN TO LSU VET MED?

The Phi Zeta Research Emphasis Day is an opportunity for our entire community to be engaged in a discussion of research and to foster the objectives of not only Phi Zeta but those of the School. The structure of this morning's program is such that it allows everyone to participate. Classes are canceled, and the Veterinary Teaching Hospital is closed except for emergencies.

Phi Zeta Research Emphasis Day includes a presentation by a biomedical scientist with veterinary experience, and posters are presented by students, House Officers, post-doctoral fellows, and faculty in the interlude between presentations. The presentations inform the school community and visitors of the diverse current research activities within LSU Vet Med. Posters presented by advanced studies students, professional students, undergraduate students, and House Officers/Residents will be judged by a panel of veterinarians and/or scientists for prizes in the following categories: (1) post-doctoral researchers, (2) dissertation (PhD) students, (3) House Officers/Residents (non-PhD/non-Master's), (4) veterinary students, (5) undergraduate/Masters students and (6) care reports.. The growth and quality of the event are a measure of the efforts of the LSU Vet Med community and our commitment to scholarly activity at all levels.

## KEYNOTE SPEAKER: SRINAND SREEVATSAN



Srinand Sreevatsan, BVSc, MVSc, MPH, Ph.D., is dean of the University of Missouri College of Veterinary Medicine. The goal of his research is to advance an understanding of pathogen-host interactions through a systems approach. By using advanced technologies like genome sequencing and functional genomics, the interdisciplinary research strategy aims to uncover new insights into zoonotic pathogen infections. Studying the interactions and interplay of many levels of biological information systems enables researchers to understand and cure complex infectious diseases. Dr. Sreevatsan's scientific inquiry focuses on the world's greatest infectious diseases such as those caused by mycobacteria, prions, and influenza A. This work provides a scientific basis for improved disease surveillance and mitigation through development of improved diagnostic tests and methods for microbial identification/tracking, as well as developing new generations of antimicrobial vaccines and therapeutics.

Dr. Sreevatsan's work on mycobacteria began in 1995 with investigations on the molecular basis of drug resistance in the *M. tuberculosis* complex. Building on that experience, he added newer technologies to improve the resolution of understanding pathogenesis in the natural host. His work has contributed significantly to the understanding of genomic diversity in mycobacteria, mycobacterium-host interactions in natural infections, serum biomarkers of mycobacterial infections and their response to treatment, iron physiology in mycobacteria, and microbial population structure and functioning in pathogen-induced environments. These findings have been funded by USDA and published in high impact and widely read journals including, *Proceedings of the National Academy of Sciences*, *Nature Medicine*, *Analyst*, *BMC Microbiology*, *BMC Genomics*, *Journal of Clinical Microbiology*, *PLoS One*, *Microbes and Infection*, *Frontiers in Cellular Microbiology*, and more.

Studies on influenza virus ecology and evolution involve the investigation of viral population structures in avian and swine populations and their contribution to the emergence of novel subtypes. This work feeds into the evaluation of host specific immune responses, extensive viral diversity and development of universal vaccines. His work on influenza viruses received funding by the USDA and NIH. Findings have been published in *PLoS One*, *EMI*, *Virology*, and the *Journal of Clinical Microbiology*.

# PHI ZETA COMMITTEE MEMBERS

Mustajab Mirza, DVM, MS, DAVCS, President, Associate Professor of Equine Surgery, VCS

Mandi Lopez, DVM, Ph.D., DACVS, Treasurer, Professor of Veterinary Surgery, VCS

Samithamby Jeyaseelan, DVM, Ph.D., Secretary, Professor of Pathobiological Sciences, PBS

Emi Sasaki, DVM, DACVP, Immediate Past President, Assistant Professor of Veterinary Pathology, PBS

Oliver A. Garden, BVetMed, Ph.D., FHEA, FCPP, FRCVS, DACVIM, DECVIM-CA, Kenneth Burns Endowed Chair in Veterinary Medicine and Dean

Bonnie Boudreaux, DVM, Ph.D., Senior Associate Dean for Student Success; Professor of Veterinary Clinical Sciences, VCS

Tammy Dugas, Ph.D., Associate Dean for Research and Graduate Education; Professor of Comparative Biomedical Sciences, CBS

Britta Leise, DVM, MS, Ph.D., Associate Dean for Staff and Faculty Advancement, Associate Professor of Equine Surgery, VCS

Colin Mitchell, BVMS, MS, DACVS, Head of Veterinary Clinical Sciences, VCS

Stephen Costin, Ph.D., Research and Graduate Education Manager

Alexa Boudreaux, Dean's Events and Logistics Manager

Bonnie Brocato, Facilities Manager

Dustin Brewster, Dean's Coordinator

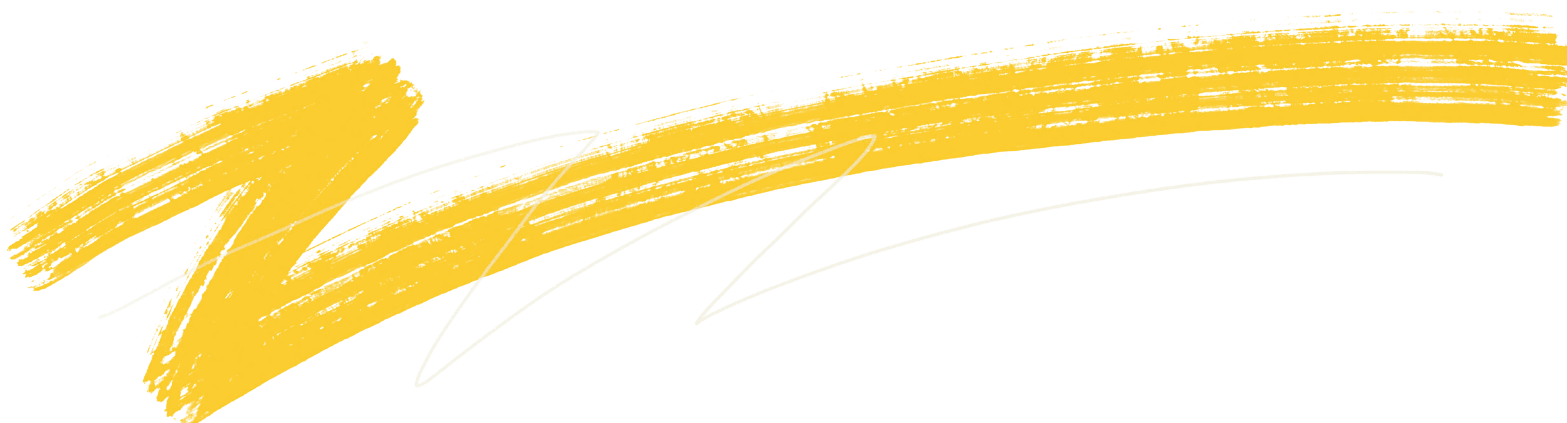
Ginger Guttner, APR, Assistant Director of Strategic Communications

Thomas Rooney, Assistant Dean for Strategic Communications

Alex Sheets, Data Processing Analyst

Brooke Rust, Executive Assistant of the Senior Associate Dean for Student Success

Thank you to everyone who helped plan, coordinate, and execute this event!



# PHI ZETA JUDGES

Basel Abuaita, Ph.D., Assistant Professor of Infectious Diseases, PBS

Neoklis Apostolopoulos, DVM, Ph.D., DECVD, Assistant Professor of Dermatology, VCS

Renee Carter, DVM (LSU 2000), DACVO, Professor of Veterinary Ophthalmology, VCS

Eddie Cramer, DVM, Copper Crowne Equestrian Center

Jeannette Cremer, DVM, Dr.med.vet., DACVAA, Associate Professor of Veterinary Anesthesiology, VCS

Fabio Del Piero, DVM, Ph.D., DACVP, Professor of Anatomic Pathology, VCS

Levent Dirikolu, DVM, MVSc, Ph.D., Professor of Pharmacology, Director of the Center for Clinical Innovation, Comparative Biomedical Sciences CBS

Dina Duplantis, DVM (LSU 1992), Equine Veterinarian

Bethany Edler, DVM (LSU 2021)

Antonieta Guerrero-Plata, BSc, MSc, Ph.D., Associate Professor, PBS

Lorrie Hale-Mitchell, DVM, MS, CVA, CVFT, CVCH, CVTP, CVTCM, Assistant Professor of Integrative Medicine and Rehabilitation, VCS

Ky Hoang, DVM, Ph.D., Assistant Professor (Research), PBS

Weishan Huang, Ph.D., Associate Professor, PBS

Duane Jeansonne, Ph.D., Assistant Professor (Research), PBS

Tomislav Jelesijevic, DVM, MS, Ph.D., DACVP, Assistant Professor, CBS

Charles Lee, Ph.D., Professor of Cognitive and Neural Systems, CBS

Jeongha Lee, DVM, MS, Assistant Professor of Veterinary Pathology PBS

Britta Leise, MS, DVM (LSU 2002), Ph.D., DACVS, Associate Dean for Student and Faculty Advancement; Associate Professor of Equine Surgery, VCS

Mandi Lopez, DVM, Ph.D., DACVS, Professor of Veterinary Surgery, VCS

Juan Martinez, Ph.D., Professor, PBS

Colin Mitchell, BVMS, MS, DACVS, Professor of Equine Surgery and Department Head, VCS

Nancy Mitropoulou, DVM, Ph.D., DECVECC, Assistant Professor of Small Animal Emergency and Critical Care, VCS

Francisco Morales, DVM, Assistant Professor of Equine Surgery, VCS

Alexandra Noël, Ph.D., Associate Professor, CBS

Michelle Osborn, Ph.D., Associate Professor, CBS

Patricia Queiroz-Williams, DVM, Professor of Anesthesiology, Interim Director of the Veterinary Teaching Hospital, VCS

Jeremy Redmond, DVM, Director of Clinical Skills, Assistant Professor of Equine Medicine, VCS

Laura Riggs, DVM, Ph.D., Associate Professor of Equine Surgery, VCS

Emi Sasaki, DVM, DACVP, Assistant Professor of Veterinary Pathology, PBS

Robert Simpson, DVM, JD, Assistant Professor and Director of Professional Development, VCS

Ryan Smith, DVM, Assistant Professor of Emergency and Critical Care, VCS

Rhett Stout, DVM, Ph.D. (LSU 1994, 2003), DACLAM, Professor and Director of the Division of Laboratory Animal Medicine, PBS

Côme Thieulent, BSc, MSc, Ph.D., Assistant Professor (Research), PBS

Gianluca Veggiani, BSc, MSc, Ph.D., Assistant Professor, PBS

Fabio Borges Vigil, Ph.D., Assistant Professor of Neuroscience, CBS

Shaomian Yao, Ph.D., Associate Professor, CBS



# PHI ZETA RESEARCH EMPHASIS DAY SCHEDULE

## Phi Zeta Kickoff: 8 to 8:15 a.m.

Dr. Mustajab Mirza  
President, Phi Zeta (Tau Chapter)  
VMED Auditorium

## Dean's Welcome: 8:15 to 8:30 a.m.

Dr. Oliver Garden  
Dean, LSU School of Vet Medicine  
VMED Auditorium

## Poster Viewing and Judging: 8:30 to 11 a.m.

VMED Auditorium

## Keynote Speaker: 11 a.m. to 12 p.m.

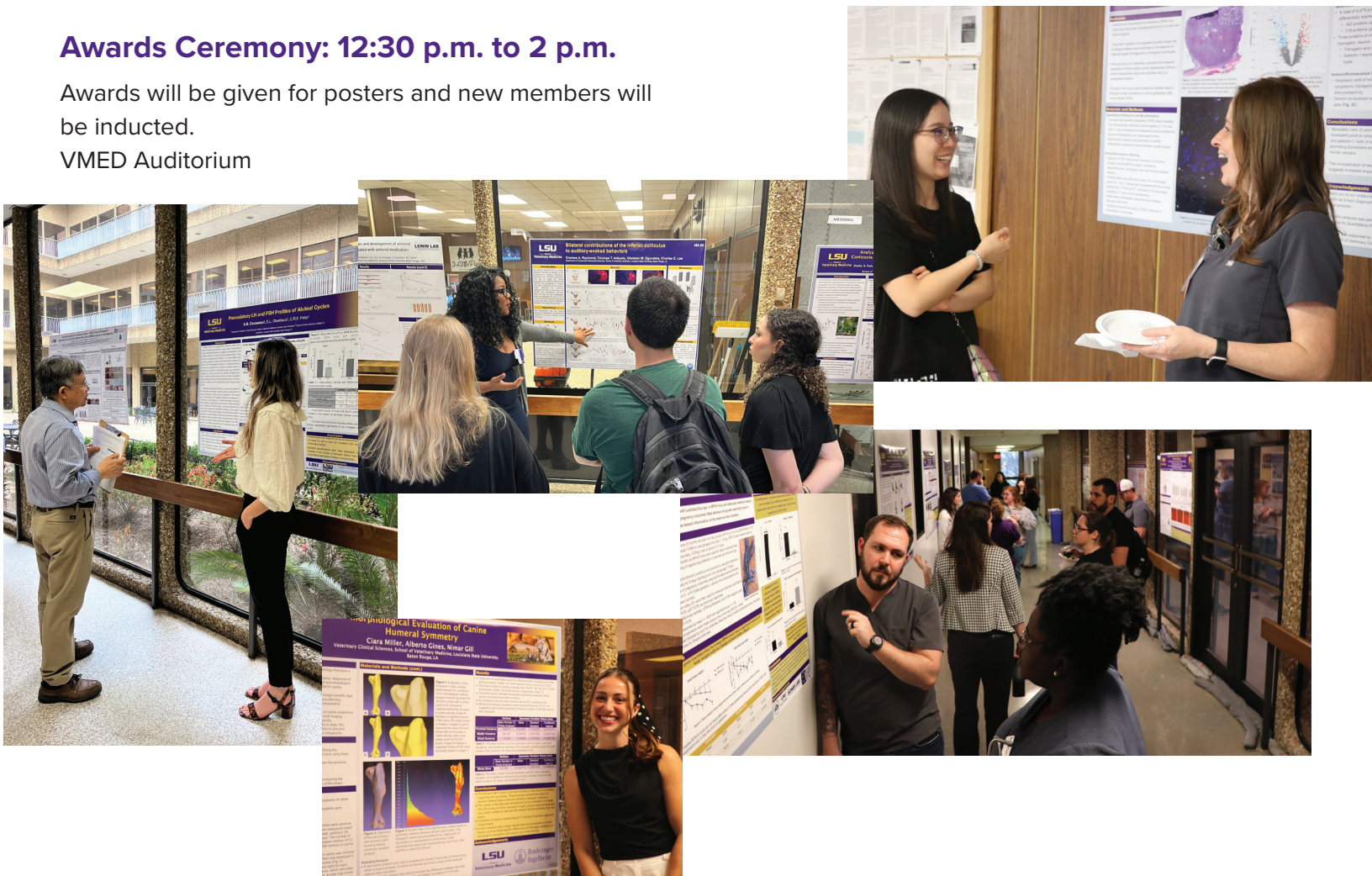
Dr. Srinand Sreevatsan  
Charting New Paths: A Veterinary Scientist's Academic Journey  
VMED Auditorium

## Awards Ceremony: 12:30 p.m. to 2 p.m.

Awards will be given for posters and new members will be inducted.  
VMED Auditorium

## Abbreviations

CBS	Comparative Biomedical Sciences
CR	Case Report
HOR	House Officer/Resident
Ph.D.	Doctoral Student
PBS	Pathobiological Sciences
PDR	Post-doctoral Researcher
UGMS	Undergraduate/Master's Student
VCS	Veterinary Clinical Sciences
VST	Veterinary Student



# POSTER COMPETITION

CR	Case Report	William Holl	W. Holl <sup>1,2</sup> , R. T. Hassanien <sup>1,2,3</sup> , H. Penticoff <sup>4</sup> , J. Nevarez <sup>4</sup> , M. Dorsch <sup>1,2</sup> , S. E. Salamat <sup>1</sup> , E. DeLuca <sup>1,2</sup> , J. Lee <sup>1,2</sup> , G. Li <sup>5</sup> , U. B. R. Balasuriya <sup>1</sup> , and M. Carossino <sup>1,2</sup> . Ranavirus rana <sup>1</sup> (Frog Virus 3)-associated Lesions and Viral Tropism During a Natural Outbreak in Eastern Box Turtles ( <i>Terrapene carolina carolina</i> )
CR	Case Report	Matias Dorsch	M.A. Dorsch & C. Menk. Equine protozoal myeloencephalitis
CR	Case Report	Fiona Arnold	F. Arnold, B. de Cecco, M. Dorsch, N. Falconnier, F. Del Piero, E. Sasaki. Outbreak of Avian Polyomavirus in Five Psittacines
CR	Case Report	Bianca De Cecco	B. S. de Cecco <sup>1,2</sup> , K. Bakalis <sup>3</sup> , Z. Lex <sup>3</sup> , M. Mitchell <sup>3</sup> , J. Lee <sup>1,2</sup> . Malignant Round Cell Neoplasm in a Virginia Opossum ( <i>Didelphis virginiana</i> )
CR	Case Report	Eliana De Luca	E. De Luca <sup>1,2</sup> , J. Li <sup>3</sup> , C. R. Mendez Venezuela <sup>3</sup> , A. Moses <sup>3</sup> , B. Hodgkiss <sup>3</sup> , A. Dutelle <sup>3</sup> , J. Looper <sup>3</sup> , M. Turek <sup>4</sup> , J. Lee <sup>1,2</sup> . Disseminated Metastatic Malignant Melanoma with CNS Involvement in a Geriatric Dachshund
CR	Case Report	Luis Tondo	L. A. S. Tondo <sup>1, 2</sup> , C. Aguillar <sup>3</sup> , A. Chapman <sup>3</sup> , C. McCauley <sup>3</sup> , F. Del Piero <sup>1, 2</sup> , M. Carossino <sup>1, 2</sup> . Atypical cauda equina syndrome – case report
HOR	Resident	Samuel Murray	S. Murray <sup>1</sup> , D. Thompson <sup>2</sup> , M. Mitchell <sup>1</sup> . Measuring Plasma Fat-Soluble Vitamin Concentrations in the Threatened Blanding's Turtles ( <i>Emydoidea blandingii</i> )
HOR	Resident	Keishla Marrero-Acosta	K. Marrero-Acosta (DVM), H. Rhim (DVM, MS, Ph.D., DACCM), A. Godke, G. Aguilar (DVM), K. Boykin (DVM, MS, Ph.D.), M. A. Mitchell (DVM, MS, Ph.D., DECZM). Measuring the Degradation of Plasma 25-Hydroxyvitamin D3 Concentrations in Captive Northern Blue Tongued-Skinks ( <i>Tiliqua scincoides intermedia</i> ) Over Time
HOR	Resident	Sydney Mordoh	S. Mordoh, C. Arias, H. Banse, A. Chapman, M. Keowen, F. Garza, Jr., A. Fredonnet, M. Mitchell, F. Andrews. The effect of <i>Megasphaera elsdenii</i> on fecal pH and blood pH, TCO <sub>2</sub> and blood lactate concentration in horses transitioned to a high concentrate low roughage diet
HOR	Resident	Zoey Lex	Z. Lex, K. Boykin, M.A. Mitchell. Measuring the Effects of Diet and Ultraviolet Exposure on Vitamin D Concentrations in Superworms ( <i>Zophobas morio</i> ) and Dubia Roaches ( <i>Blaptica Dubia</i> )
HOR	Resident	Victor Medina	V. Medina, S. Cousseau, F. Diaz, A. Johnson, K. Bondioli, M. Mitchell, C. Pinto. Development Potential of Domestic Cat Oocytes Stored at Room Temperature Before In Vitro Fertilization
PDR	Post-doc	Shallinie Thangadurai	S. Thangadurai, E. Pak, and A. Murashov. Mei-P26
PDR	Post-doc	Rabab Hassanien	R.T. Hassanien, W. Dittmar, GuanQun Liu, Udeni B. R. Balasuriya, C. J. Thieulent, M. Carossino. Construction of arterivirus infectious clones using circular polymerase extension reaction (CPER)
PDR	Post-doc	Michael Keowen	M. Keowen, S. Mordoh, F. Garza, Jr., C. Liu, F.M. Andrews. Effects of Polysaccharides with $\beta$ Glucan (TBG 136™) (RelyneGI®) on Stomach Health

PDR	Post-doc	Tony Catunda	APN Catunda, HP Pedroza; LO Cota; APL Oliveira; RR Faleiros, BS Leise Lamellar Expression of Calprotectin Correlated with Motor Pathway Activation in Oligofructose-Induced Laminitis
PDR	Post-doc	Helen Rhim	H. Rhim, K. Boykin, G. Aguilar, M. Mitchell. A Preliminary Investigation of the Gastrointestinal Bacterial Microbiomes of Barred Owls ( <i>Strix varia</i> ) Admitted to the Wildlife Hospital
PDR	Post-doc	Kamal Niaz	Kamal Niaz*, Melanie Wilson, Ahmed Abdelmoneim. Quantifying Brain Activity Changes in Freely-Swimming Zebrafish Larvae
PDR	Post-doc	Mohamed Ali	M Hamed and A Abdelmoneim. Pyrogallol-mediated acute, developmental, and neurobehavioral alterations investigated using larval zebrafish
PDR	Post-doc	Frank Garza Jr	F. Garza, Jr., T. T. Negrao Watanabe, F. Del Piero, F. Andrews. Postmortem Examination, Scoring, and Histological Assessment of Gastric Lesions in Thoroughbred Horses Presented from a Louisiana Racetrack
PDR	Post-doc	Chandika Gamage	C. Gamage <sup>1,2</sup> , D. Cryderman <sup>3</sup> , C. J. Thieulent <sup>1</sup> , W. Dittmar <sup>1,2</sup> , U. B. R. Balasuriya <sup>1</sup> , M. A. Vissani <sup>4,5,6</sup> , V. Parreño <sup>5,6</sup> , M. E. Barrandeguy <sup>7</sup> , M. Carossino <sup>1,2</sup> . Evaluation of MVA-vectored VP7 Vaccines Against Equine Rotavirus A
Ph.D.	Ph.D. Student	Tolulope Olaolorun	T. Olaolorun, S. Thangadurai, E. Pak, A. Murashov. MEI-P26 Modulates Metabolism and Behavior Through Mitochondrial and Post-Transcriptional Pathways
Ph.D.	Ph.D. Student	Graciela Aguilar	G.Aguilar <sup>1</sup> , J.Salazar <sup>2</sup> , A.Godke <sup>1</sup> , A.Tashakkori <sup>1</sup> , J.Tuminello <sup>1</sup> , D.Ledezma <sup>2</sup> , D.Salas <sup>2</sup> , H.Rhin <sup>1</sup> , K.Boykin <sup>1</sup> , JA.Krumbeck <sup>3</sup> , MA.Mitchell <sup>1</sup> . How Close Are These Cousins? Characterizing Bacterial and Fungal Skin Microbiomes of Captive & Wild Red-Eyed ( <i>Agalychnis callidryas</i> ) and Lemur ( <i>Agalychnis lemur</i> ) Tree Frogs
Ph.D.	Ph.D. Student	Zannatul Haque Tumpa	Zannatul H. Tumpa, Asif Iqbal, William N. Beavers, Basel H. Abuaita. Staphylococcus aureus Small Colony Variants Fail to Establish Lung Infection in a Murine Model of Pneumonia
Ph.D.	Ph.D. Student	Tharanja Gobalakrishnan	T. Gobalakrishnan, D. Jeansonne, E. Ruiz, and S. Jeyaseelan. Regulation of Neutrophil Heterogeneity and Effector Functions by the NLRP3 Inflammasome in Sepsis
Ph.D.	Ph.D. Student	Melina JalaliFarahani	M. JalaliFarahani <sup>1</sup> , W. Huang <sup>1,2</sup> , G. Veggiani <sup>1</sup> . Enhancing CAR-T cell function via multi-domain inhibition of ITK
Ph.D.	Ph.D. Student	John Le	John T. Le, Laxman Ghimire, Ky Hoang, Samithamby Jeyaseelan. The NLRP12 Inflammasome Negatively Regulates Neutrophil Function During Methicillin-Resistant Staphylococcus aureus (MRSA)-Induced Pneumonia
Ph.D.	Ph.D. Student	Demetrius McAtee	D. McAtee, A. Abdelmoneim. Uncovering the Role of Glucocorticoid (GC) Signaling in Arsenic-mediated Stress Behavioral Alterations
Ph.D.	Ph.D. Student	Sabrina B. Cousseau	S. Cousseau, V. Medina, C. Neto, M. Lindley, S. Loux, M. Azevedo, D. Rosseti, M. Mitchell, C. Pinto. Transcriptomic profile of single immature and in vitro matured equine oocytes after holding

# POSTER COMPETITION

Ph.D.	Ph.D. Student Nishanthini Pirashanna	Nishanthini Pirashanna, Linda M. Heffernan, and Basel H. Abuaita, Exploiting Mitochondrial Metabolism to Improve Macrophage Host Defenses Against Pathogens
Ph.D.	Ph.D. Student Hafsa Haq	H Haq, E. Pak, S. Thangadurai, A. Murashov. Downregulation of huntingtin in offspring brain is linked to paternal western diet, behavioral changes, and alterations in miRNAs
Ph.D.	Ph.D. Student Yathushigan Kulatheepan	Y.Kulatheepan, K. Hoang, JT. Le, B. Aidoo, T. Gopalakrishnan, S. Jeyaseelan, Role of CD38 in Pulmonary Host Defense against Klebsiella pneumoniae-Induced Pneumonia
Ph.D.	Ph.D. Student Abhishek Pandit	B. Irving, J. Francis, D. Lefer, T. Allerton. Voluntary Exercise Training Attenuates Cardiac Hypertrophy Transcriptional Pathways in HFpEF in the Absence of Improvements in Cardiac Metabolism
Ph.D.	Ph.D. Student Angel Casillo	A Casillo, A. Abdelmoneim. Is Different Better? Assessing Effects of Bisphenol Exposures on Development and Stress Response in Larval Zebrafish
Ph.D.	Ph.D. Student Ignitius Lim	I.Lim, O.Ogundele. Neural encoding of valencies in the BNST-CeA-DRN circuits, and the implications for stress-linked behavioral responses
Ph.D.	Ph.D. Student Rana Fallahsafa	R.Fallahsafa and O.M. Ogundele. The Role of CeA-VTA Circuits in Decision-Making and Ranked Choice during Learning
Ph.D.	Ph.D. Student Amit Sharma	A. Sharma, L.M. Heffernan, V. Mayandi, B.H. Abuaita. Activation of the Endoplasmic Reticulum Stress Regulator IRE1a Augments Trained Immunity
Ph.D.	Ph.D. Student Bernard Aidoo	K. Hoang, B. Aidoo, J. Le, T. Gopalakrishnan & S. Jeyaseelan. CXCL1 Modulates Emergency Granulopoiesis and Neutrophil Trafficking During Klebsiella pneumoniae-Induced Pneumonia
Ph.D.	Ph.D. Student Ivan Martinez-Espinoza	I. Martinez- Espinoza and A. Guerrero-Plata. Impact of Pneumovirus Infection on the Phagocytic Function of Human Macrophages
Ph.D.	Ph.D. Student Pius Babawale	P. Babawale, A. Guerrero-Plata. Age-Dependent Immune Responses of Primary Respiratory Epithelial Cells to Pneumovirus Infection
Ph.D.	Ph.D. Student Nicole Akers	N. Akers, A. Harmon, M.R. Smith, C.E. Astete, C. Sabliov, and T.R. Dugas. Novel Polymeric Nanoparticles Releasing Polyphenols Alter Coagulation
Ph.D.	Ph.D. Student Sadia Islam Sinza	S.I. Sinza, O.Ogundele. VTA glutamate projections guide hippocampal encoding of space and contexts
Ph.D.	Ph.D. Student Oluwamuyiwa Ayanshina	OA Ayanshina, TT Adeyelu, ML Osborn, KL Matthews, CC Lee. A Neurotomographic Approach for the Mesoscale Mapping of Convergent Neural Circuits
Ph.D.	Ph.D. Student Melanie Wilson	M. Wilson, A. Abdelmoneim. Effects of Developmental Lead (Pb) Exposure on the Structural Development and Activity of Locus Coeruleus Noradrenergic Neurons
Ph.D.	Ph.D. Student Wellesley Dittmar	W. Dittmar, C.J. Thieulent, L. Liu, N. Gaudreault, U.B.R. Balasuriya, J.A. Richt, M. Carossino. Investigating the Effects of SARS-CoV-2 Spike Mutations Arising in North American White-Tailed Deer



Ph.D.	Ph.D. Student	Md Mostafijur Rahman	M. M. Rahman <sup>1</sup> , G. Veggiani <sup>1</sup> . Engineered Anti-inflammatory Peptides to Modulate Toll-like Receptor Signaling
UGMS	UG/Master's	Sydney Stepp	S. Stepp, A. Catunda, S. Annison, S. Mordoh, B. Leise. Assessment of equine epithelial wound healing in vitro after exposure to stimulated adipose-derived mesenchymal stem cell supernatant
UGMS	UG/Master's	Balseba Tewelde	B. Tewelde, T. Rangasamy, J. Le, and S. Jeyaseelan. Lung mesenchymal stem cells attenuate pneumonia caused by <i>Streptococcus pneumoniae</i>
UGMS	UG/Master's	Jenna Crosby	J. Crosby, T. Rangasamy, J. Le, D. Jeansonne, S. Jeyaseelan. Nrf2 regulates host defense against the superbug carbapenem-resistant <i>Klebsiella pneumoniae pneumonia</i>
UGMS	UG/Master's	Hudson Rieman	Hudson R. Rieman, John T. Le, Sagar Paudel, Tirumalai Rangasamy, Ky Hoang, Anna T. Brown, Samithamby Jeyaseelan. The NLRP10 Inflammasome Decreases Host Defense and Survival During Methicillin-Resistant <i>Staphylococcus aureus</i> Pneumonia
UGMS	UG/Master's	Christella Nelson	C. Nelson, E. Ruiz, F. Musarrat, H. Mohan, Md I Hossain, K. Kousoulas. Host-directed kinase inhibitors act as novel therapies against HSV-1 infection
VST	Vet Student	Genesis Mize	Genesis Mize, Linda Heffernan, Sydney Mordoh, Britta S Leise, Basel Abuaita. Comparative horse macrophage host defenses against <i>Salmonella</i> serovars
VST	Vet Student	Logan Roddy	L. Roddy, H.W. Green, W. Wolfson. Presentation of Clinical Signs and Cardiac Deterioration in Canines Affected with <i>Trypanosoma cruzi</i> Infections across Various Southern Louisiana Parishes
VST	Vet Student	Austin Dykas	A. Dykas, K. Ieradi, M. Mirza. Development of Intraluminal stenting with End-to-End Anastomosis
VST	Vet Student	kimia Nourozi	C.C.Lee, K.Nourozi, W.N. Sitterson, I.E. Lim. Longitudinal Analysis of Behavior and Neuropathology in a Mouse Model of Alzheimer's Disease
VST	Vet Student	Carolina Iturregui	C.Iturregui, C.Liu, R.Carter, P.Camacho-Luna. Evaluation of Circadian Variations of Central Corneal Thickness and its Correlation with Intraocular Pressure in Healthy Horses
VST	Vet Student	Ethan Neal	E. Neal, H. Rhim, T. Harris, L. Dirikolu, M. Mitchell. Determining the Pharmacokinetic Properties of Two Different Doses of Oxfendazole in Barred Owls ( <i>Strix varia</i> )
VST	Vet Student	Ralph A. Delgado-Trujillo	Ralph A. Delgado Trujillo, Courtney Price, Parisa Firouzabadi, Catherine Takawira, Rita Aoun, Mandi J. Lopez. Micro-Computed Tomography Imaging of Unaffected and Laminitic Hoof Dermal Tissue
VST	Vet Student	Sara Bucher	S. Bucher, A. Stackhouse, A. Iqbal, W. Beavers. Cell Envelope Stress Induces Arachidonic Acid Resistance in <i>Staphylococcus aureus</i>
VST	Vet Student	Erin Schwalbe	E. Schwalbe <sup>1</sup> , J. Lee <sup>1,2</sup> , E. Sasaki <sup>1,2</sup> , M. Carossino <sup>1,2</sup> , I. M. Langohr <sup>1,2</sup> , F. Del Piero <sup>1,2</sup> , C. Menk <sup>1,2</sup> . West Nile Virus in Louisiana

VST	Vet Student	Solomon Pearson	S. Pearson, T. Cook, D. Mabou, M. Shexnayder, A. Noel. Impact of E-cigarette Nicotine, Tobacco-derived vs. Non-tobacco-derived, on Pulmonary Responses in Mice
VST	Vet Student	Peyton Cagle	P. Cagle, K. Black, S. Bordelon, B. Dubansky. Using Contrast-Enhanced CT to Visualize Osteoderms and Their Musculoskeletal Attachments in the Alligator
VST	Vet Student	Julia Harig	J. Harig, K. Niaz, A. Abdelmoneim. Developmental and Stress Behavioral Effects of Trace-Element Oversupplementation Using the Zebrafish Model
VST	Vet Student	Trace Presley	T. Presley, P. Camacho-Luna, R.T. Carter. Using Intraocular Fluid Analysis to Investigate the Role of Leptospirosis in Horses with Chronic Equine Recurrent Uveitis (ERU)
VST	Vet Student	Thomas Harris	T. Harris, N. Diaz-Falcon, M. Mitchell, J. Cremer, H. Rhin, E. Neal. Can indirect blood pressure monitoring be used in birds?
VST	Vet Student	Rhiannon Ballard-Davis	R. Ballard-Davis, K. Scott. Using Targeted Pulsed Electromagnetic Field Therapy to Decrease Anxiety in Captive Wolfdogs
NC	Non-compete	Casey Anderson	Casey Anderson, Clare M. Scully, Adriano F. Vatta. Parasitic anemia is a major reason for small ruminant hospitalizations at LSU Veterinary Teaching Hospital
NC	Non-compete	William Holl	W. Holl <sup>1,2</sup> , T. Plangsangmas <sup>3</sup> , H. Penticoff <sup>3</sup> , J. G. Nevarez <sup>3</sup> , C. Gamage <sup>1,2</sup> , M. Mitchell <sup>1,2</sup> , M. Carossino <sup>1,2</sup> , and F. Del Piero <sup>1,2</sup> . Mass Mortality in Juvenile Farmed Alligator Snapping Turtles ( <i>Macrochelys temminckii</i> ) due to Cutaneous Fusariosis ( <i>F. solani</i> Species Complex [FSSC]) and <i>Citrobacter freundii</i>
NC	Non-compete	Chandika Gamage	C. Gamage <sup>1,2</sup> , A. Graves <sup>3</sup> , G. Li <sup>4</sup> , C. Thieulent <sup>1</sup> , U.B. R. Balasuriya <sup>1</sup> , J. Morrow <sup>3</sup> , M. A. Vissani <sup>5,6,7</sup> , V. Parreño <sup>6,7</sup> , J. Matthijns <sup>8</sup> , M. Carossino <sup>1,2</sup> . Genomic Characterization and Phylogenetic Analysis Reveal Persistent Circulation of a Single Genomic Constellation of Group B Equine Rotavirus in Central Kentucky
NC	Non-compete	Francisco Morales	F. Morales, C. Takawira, M. Keowen, CC. Liu, C. Mitchell. Thermal and Biological Analysis during Drilling Equine Cortical Bone
NC	Non-compete	Anusha Zaman	A. Zaman, T. Cook, S. Yilmaz, M. Schexnayder, R. Xiao, Z. Perveen, A. Penn, A. Noël. Sex-Specific Modulation of Lung Physiology and Transcriptome in Mice Exposed Neonatally to Thirdhand Electronic-Cigarette Aerosols
NC	Non-compete	V Adamchick-Galindo	V Adamchick-Galindo, RT Carter, P Camacho-Luna, LP Guarneri, IM Langohr, MA Dorsch, M Carossino. Equine Anterior Uveal Melanocytic Tumors with Pigmented Haabs Striae: A Case Series

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# TAU CHAPTER OF PHI ZETA INDUCTION

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## WHAT IS PHI ZETA?

Phi Zeta is a national Veterinary Honor Society, the object of which is to recognize and promote scholarship and research in matters pertaining to the welfare and diseases of animals. From its beginning, it has been the aim of Phi Zeta to stand for constant advancement of the veterinary profession, for higher educational requirements, and for high scholarship. As stated in the constitution, the object of the society shall be to recognize and promote scholarship and research in matters pertaining to the welfare and diseases of animals.

Phi Zeta was originated in 1925 by a group of senior veterinary students in the New York State Veterinary College at Cornell University. With the assistance of a group of faculty members, including the dean of the college, Dr. Veranus A. Moore, the society was formally organized, and Dean Moore was elected as the first president in 1929 at a meeting in Detroit, Michigan.

Also in 1929, a charter was granted to the School of Veterinary Medicine at the University of Pennsylvania, and the Beta Chapter was established. In 1931, the

Executive Committee approved the petition of a group from Iowa State College, and the Gamma Chapter was established. Since then 24 chapters have been chartered, bringing the total number of chapters to 27. Chapters of the Society may be formed at any recognized veterinary medical college or at any other institution of higher learning.

## Names and Symbols of the Society

The organizers of the society, when seeking a suitable name, sought the help of a learned Greek scholar, Professor George P. Bristol of Cornell University. Professor Bristol suggested a Greek word, which in the Latin form is spelled PHILOZOI and means "love for animals." The abbreviation of Phi Zeta was adopted as the name of the society.

The emblem consists of a pendant formed by the letter Phi superimposed by the letter Zeta. The design was the work of Louis Agassiz Fuertes, the great naturalist and artist.



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**Private donation from Lisa Scrantz**

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