

# Research Day Poster Presentations

April 27, 2022

12:00 p.m. - 2:00 p.m.

\* Student Poster Competitor

<b>Poster</b>	<b>Presenting Author and Title</b>
1	Erica Joo – <i>Investigating BLM Helicase Functions in Meiosis by Using a BLM Inhibitor (ML216)</i>
2	Royal Shrestha – <i>Barcode-matching of the euchromatin regions along homologous chromosomes facilitates DNA-break-repair-independent homologous pairing</i>
3	Zhengde Liu – <i>To Establish a Contraceptive and Anti-cancer Drug Screening System by Synchronizing Spermatogenesis and BrdU Incorporation</i>
4	Annalisa Fama – <i>A National Survey of Licensed Clinical Veterinarians on Current Zoonotic Disease Practices and Prevention</i>
5	Emma Albers-Lopez – <i>Selection of ETT size: myth busting (or, Morphometric determinants of endotracheal tube size selection)</i>
6	Siobhan Nicole Adelaide Meadows – <i>Campylobacter hyointestinalis Isolations From Howler (Alouatta caraya) And Spider Monkeys (Ateles fusciceps robustus) at a Zoological Facility in Central Illinois</i>
7	Jinrui Lyu – <i>Cognitive Dysfunction Induced by Chronic Chemogenetic Inhibition of Somatostatin-Positive Interneurons in the Dentate Gyrus Hilus</i>
8	Emily Javery – <i>Validation of a Point-of-Care Quantitative Assay for Feline NT-proBNP</i>
9	Alysha McDaniel – <i>A Comparative Burden of Lead in the Virginia Opossum in the Upper Midwest</i>
10	Ka Lam (William) Nguyen – <i>Is Bacteroides intestinalis DSM 17393 a probiotic candidate?</i>
13	Endia Fletcher – <i>Effects of Prenatal Exposure to an Environmentally Relevant Phthalate Mixture on Ovarian Gene Expression in F1 Female Mice</i>
14*	Wei Lu – <i>SEC16B regulates lipid secretion by modulating VLDL intracellular trafficking</i>
15	Sulagna Chakraborty – <i>Determining farmers knowledge and awareness of ticks and tickborne diseases in Illinois</i>
16	Andrea Corbet – <i>Elucidating the role of GOS2 in breast cancer</i>
18	Ruicheng Shi – <i>Intestinal SEC16B is required for dietary lipid absorption in mice</i>
19	Myung Whan Oh – <i>Dual RNA-seq analysis upon pneumococcal infection in mouse to decipher the pneumococcal competence development in vivo</i>
21	Yuexi Wang – <i>Dissect the role of PTBP1 in preventing necrotizing enterocolitis</i>
22	Ye Tian – <i>Hepatic Phospholipid Remodeling Promotes Non-Alcoholic Steatohepatitis by Inducing Liver Oxidative Stress</i>
23*	Erin O’Leary – <i>Regulation of social behavior by noncanonical genomic imprinting in the monoamine system</i>
24*	Jianan Feng – <i>The Adverse Effects of PFAS on Mouse-Oocyte-in-vitro Maturation are Associated with Carbon Chain Length and Sulfonate Group</i>
25	Yiheng Peng – <i>The myth of the oesperm growth: single-cell RNA-seq analysis reveals mechanisms of spermatogenesis checkpoints</i>
27	Ning Liu – <i>Decipher Meiotic Chromosome Structure By Micromanipulation</i>
28	Srini Mudalagiriappa – <i>Sialophorin Mediates Protective Immunity Against Lethal Fungal Pneumonia</i>
29*	Chia-Ming Su – <i>Cellular response to IFN suppression-negative and NF-κB activation-negative porcine reproductive and respiratory syndrome virus infection</i>
30	Yung-Tien (Yvette) Tien – <i>Mareks disease virus early and late gene expression during temperature-induced reactivation</i>
31	Hafiz Sohaib Zafar – <i>Generation of Mareks disease virus (MDV) expressing epitope tagged glycoprotein C for functional characterization</i>

**Poster Presenting Author and Title**

- 32 Shuangqi Wang – *Examine the role of caspase-3 activation in perinatal oocyte apoptotic pathways by PAC-1 treatment*
- 33 Patrick Barko – *Targeted Serum Metabolomics Reveals Altered Amino Acid Metabolism in Cats with Chronic Inflammatory Enteropathy and Alimentary Small Cell Lymphoma*
- 34 Nagabhushan Chandrashekar – *Disparate T-cell immunogenicity of fungal antigens is associated with their cellular localization*
- 35 Jaishree Sharma – *Myeloid-Specific Ablation of CBLB is Necessary for Mounting Immunity Against Lethal Fungal Pneumonia*
- 36\* Shanny H. Kuo – *Pseudomonas aeruginosa Volatile Organic Compounds Causes Mucus Hypersecretion by Activating Ahr Signaling in Chronically Diseased Lungs*
- 37 Irene Infancy Joseph – *Evolutionarily conserved acrosomal protein SP-10 is dispensable for male fertility in mice*
- 38 Qinan Hu – *Cyclin-Dependent Kinase Inhibitor 1A (CDKN1A) Activation in Drug-Resistant Neuroblastoma*
- 39 Derek Pinto – *Understanding molecular mechanisms that control macrogamont development and oocyst formation in Cryptosporidium parvum*
- 40 Huai Xu – *Is glycoprotein C required for turkey herpesvirus (HVT) horizontal transmission in turkey?*
- 41 Maria Nava – *Role of a Cryptosporidium parvum signaling kinase in male gametogenesis and virulence*
- 42 Muxiao Wang – *Reversal of schizophrenia-like phenotypes in mice engineered to harbor additional copies of the glycine decarboxylase (Gldc) gene*
- 43 Shuangqi Wang – *Examine the role of caspase-3 activation in perinatal oocyte apoptotic pathways by PAC-1 treatment*
- 44 Setyo Yudhanto – *Assessing multidrug resistance patterns in bacteria isolated from canine urine samples submitted to the Veterinary Diagnostic Laboratory, University of Illinois*
- 45 Noah Diaz-Portalatin – *Pilot assessment of safety and efficacy of a single heparin injection in Dubia roaches (Blaptica dubia)*
- 46 Monica Chen – *Computed Tomographic Evaluation of Safe Ventral Corridors for Implant Placement in Rabbit Vertebrae*
- 47 Amanda Wong – *Bulbourethral Gland Mineralization in Two Guinea Pigs (Cavia porcellus)*
- 48 Sandra Diaz Yucupicio – *Effect of holding time and sampling protocol on VCM-Vet parameters using fresh equine blood*
- 49\* Rebecca Bishop – *Preliminary evaluation of reference intervals for a novel point of care viscoelastic coagulation monitor (VCM Vet) in healthy adult horses*
- 50 Rebecca Bishop – *Subclinical colitis following NSAID administration in healthy horses*
- 51 Rebecca Bishop – *Characterizing the biogeographical topography of the equine respiratory microbiome*
- 52 Rebecca Bishop – *Characterizing the core microbiome of equine gastric juice*
- 54 Ramses Santacruz-Marquez – *Short-term exposure to di-(2-ethylhexyl) phthalate and diisononyl phthalate may have short-term and long-term consequences on inflammatory markers in the ovary*
- 55 Rima Shrestha – *Antimicrobial Resistance in Turkey Flocks*
- 56 Rajasekar Nagarajan – *Reduction of postoperative cognitive deficits in aged mice by chronic intermittent propofol*
- 57 Alison Neff – *Di(2-ethylhexyl) Phthalate and Mono-2-ethylhexyl Phthalate Induce Aryl Hydrocarbon Receptor Activation in Mouse Ovarian Tissues*
- 58 Maltesh Kambali – *Pathophysiological role of an increased glycine decarboxylase (GLDC) copy number in a mouse model of schizophrenia*
- 59 Kari Foss – *Whole-brain magnetic resonance spectroscopic imaging in healthy dogs*