

Research Day Abstracts

Abstract #	Presenting Author	Title
1	Erica Joo	Investigating BLM Helicase Functions in Meiosis by Using a BLM Inhibitor (ML216)
2	Royal Shrestha	Barcode-matching of the euchromatin regions along homologous chromosomes facilitates DNA-break-repair-independent homologous pairing
3	Zhengde Liu	To Establish a Contraceptive and Anti-cancer Drug Screening System by Synchronizing Spermatogenesis and BrdU Incorporation
4	Annalisa Fama	A National Survey of Licensed Clinical Veterinarians on Current Zoonotic Disease Practices and Prevention
5	Emma Albers-Lopez	Selection of ETT size: myth busting (or, Morphometric determinants of endotracheal tube size selection)
6	Siobhan Nicole Adelaide Meadows	Campylobacter hyointestinalis ISOLATION FROM HOWLER (Alouatta caraya) AND SPIDER MONKEYS (Ateles fusciceps robustus) AT A ZOOLOGICAL FACILITY IN CENTRAL ILLINOIS
7	Jinrui Lyu	TBD
8	Emily Javery	Validation of a Point-of-Care Quantitative Assay for Feline NT-proBNP
9	Alysha McDaniel	TBD
10	Ka Lam (William) Nguyen	Is Bacteroides intestinalis DSM 17393 a probiotic candidate?
11	Shahbaz Khan*	Cryptosporidium parvum pyruvate kinase inhibitors with in vivo anti-cryptosporidial efficacy
12	Andressa Varella Gonsioroski*	Effects of Prenatal and Lactational Exposure to Iodoacetic Acid on the F1 Generation of Mice
13	Endia Fletcher	Effects of Prenatal Exposure to an Environmentally Relevant Phthalate Mixture on Ovarian Gene Expression in F1 Female Mice
14	Wei Lu+	SEC16B regulates lipid secretion by modulating VLDL intracellular trafficking
15	Sulagna Chakraborty	Determining farmers knowledge and awareness of ticks and tickborne diseases in Illinois
16	Andrea Corbet	Elucidating the role of GOS2 in breast cancer
17	Vasiliki Mourikes*	Imidacloprid and desnitro-imidacloprid elicit different mechanisms of toxicity in isolated neonatal ovaries and antral follicles in culture
18	Ruicheng Shi	Intestinal SEC16B is required for dietary lipid absorption in mice
19	MYUNG WHAN OH	Dual RNA-seq analysis upon pneumococcal infection in mouse to decipher the pneumococcal competence development in vivo
20	Isha Agrawa*	Assessing biosecurity knowledge and practices among Illinois veterinarians and swine producers

21	Yuexi Wang	Dissect the role of PTBP1 in preventing necrotizing enterocolitis
22	Ye Tian	Hepatic Phospholipid Remodeling Promotes Non-Alcoholic Steatohepatitis by Inducing Liver Oxidative Stress
23	Erin O'Leary+	Regulation of social behavior by noncanonical genomic imprinting in the monoamine system
24	Jianan Feng+	The Adverse Effects of PFAS on Mouse-Oocyte-in-vitro Maturation are Associated with Carbon Chain Length and Sulfonate Group
25	Yiheng Peng	The myth of the oesperm growth: single-cell RNA-seq analysis reveals mechanisms of spermatogenesis checkpoints
26	Dion Adiriesta Dewananda*	Bone Marrow Response to Methicillin-Resistant Staphylococcus aureus Infected Type 2 Diabetic Wound Model
27	Ning Liu	DECIPHER MEIOTIC CHROMOSOME STRUCTURE BY MICROMANIPULATION
28	Srini Mudalagiriappa	Sialophorin Mediates Protective Immunity Against Lethal Fungal Pneumonia
29	Chia-Ming Su+	Cellular response to IFN suppression-negative and NF- κ B activation-negative porcine reproductive and respiratory syndrome virus infection
30	Yung-Tien (Yvette) Tien	Mareks disease virus early and late gene expression during temperature-induced reactivation
31	Hafiz Sohaib Zafar	Generation of Mareks disease virus (MDV) expressing epitope tagged glycoprotein C for functional characterization
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 (<i>Blattella germanica</i>)
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 (<i>Cavia porcellus</i>)
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
53	Matthew R. Berry*	Evaluating a Procaspase-3 Activating Synergistic Couplet Strategy for Metastatic Osteosarcoma
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

+ poster competition/lightning talks

* oral presentations