

Faculty Members	Start Date	Topic of Research Project
Kawate, Toshi	May-23	Pannexin as a pain biosensor for dogs
Diel, Diego	May-23	Investigating the circulation and maintenance of SARS-CoV-2 in free ranging white-tailed deer
Kelly, Erica	May-23	Validation of the MIZAR® Rheometer for Detection of Inflammation in Veterinary Species
Weiss, Robert	May-23	Determining the Role of Non-Coding RNAs in Malignant Testicular Germ Cell Tumors
Lejeune, Mani	May-23	Investigating the association of Giardia sp. infection with respiratory signs in domestic animals.
Altier, Craig	May-23	Identifying diffusible signal factor-producing enteric bacteria and evaluating the inhibitory effects on Salmo
Colbath, Aimee	May-23	Effects of Clodronate on equine monocyte-derived macrophages
McGeachy, Mandy	May-23	Can fur follicle collection replace tail biopsy as a reliable, accurate method for genotyping for transgenic mice?
Jager, Mason	May-23	Evaluation of Hepatocellular Death Associated with Equine Parvovirus-Hepatitis Infection
Carreno, Hector	May-23	Production and validation of Nipah virus-like particles containing fusion and attachment glycoprotein mutants
Fiorella, Kathryn	May-23	A multifaceted approach to improving fish farming in Kenya's Lake Victoria region
Lin, Dave	May-23	Delta-protocadherin function in axon regeneration in mice
Cazer, Casey	May-23	Analysis of pathogens from urine cultures of cats and dogs from 2010 to 2021 in Northeast United States
Diel, Diego	May-23	Development of cross-reactive hemagglutinin vaccine antigens for swine influenza A (H1N1) viruses

Leifer, Cynthia	May-23	Intratumoral injection with stimulator of interferon genes (STING) increases B-cells in canine osteosarcoma
Mann, Sabine	May-23	Evaluating the Antibacterial Properties of Bovine Colostrum: The Impact of Postharvest Thermal Processing
Place, Ned	May-23	Validation of methods used to interrogate the feline endometrium after eCG/pLH- induced ovarian stimulation
Dongre, Anushka	May-23	Understanding the role of CD4+ T-cells in mesenchymal mammary carcinomas that are refractory to immune checkpoint blockade therapies
Cohen, Paula	May-23	Investigating the role of pro-crossover factors in mammalian spermatogenesis
Goodman, Laura	May-23	Metagenomic Amplicon Sequencing Identifies Hosts for Parasites & Bacteria in Raw Cat Foods.
Wieland, Matthias	May-23	Effects of supplemental pre-milking stimulation on milking performance, udder health and welfare in dairy cows
Travis, Alex	May-22	Effect of subunit composition on channel activity of voltage gated ca ²⁺ channel Cav2.3
Goodman, Laura	May-22	Development of a real-time polymerase chain reaction assay to detect Salmonella Dublin
Walle, Gerlinde	May-22	A microRNA-based breast cancer screening approach
Weiss, Robert	May-22	Regulation of ATR signaling by RAD9B-containing alternative 9-1-1 complexes during genome maintenance
Amorim, Mariana	May-22	Comparison of Embryonic and Endometrial Gene Expression of the Day 11 and Day 16 Post-Ovulation Mare.
Mann, Sabine	May-22	Using infrared thermography to detect teat tissue changes after machine milking in dairy cows
Ivanek, Renata	May-22	Quantitative microbial risk assessment of fluoroquinolone-resistant Campylobacter jejuni infections associated with unpasteurized milk consumption in the United States
Cheong, Soon	May-22	Effects of reproductive hormones on sperm-neutrophil-bindings under the influence of DNase I

Dongre, Anushka	May-22	The Epithelial-Mesenchymal Transition regulates the expression of CD73 in human breast cancer cell lines
Schang, Luis	May-22	Epigenetic modifications of HSV-1 genomes during lytic infections
Cheetham, Jonathan	May-22	Single cell RNA sequencing of the canine recurrent laryngeal nerve
Loftus, John	May-22	Exploring canine polymorphonuclear myeloid-derived suppressor cells in health and disease
Wagner, Bettina	May-22	Lymphocyte proliferation in neonatal foals following EHV-1 vaccination
Getchell, Rod	May-22	Identification of Viral Hemorrhagic Septicemia Virus in invasive Round Gobies from the Hudson River, New York
Reesink, Heidi	May-22	Proteomics identifies A2M, gelsolin and lubricin as synovial fluid biomarkers for equine osteoarthritis
Todhunter, Rory & J. Hayward	May-22	Genome wide association study of feline diabetes mellitus
Sethupathy, Praveen	May-22	Uncovering mechanisms of miR-375-mediated control of host resistance to helminth infection
Stokol, Tracy	May-22	Validating an anti-CD80 antibody as a marker for monocytes in the dog
Schimenti, John	May-22	Exploring the role of transposable elements in female placental embryonic lethality and genomic instability
Lis, John	May-22	Optimization of PRO-IP-seq to reveal when key proteins interact with RNA Pol II during transcription
Felippe, Julia	May-22	Serum TNF- α Concentration as an Indicator of Early Placentitis in Pregnant Mares
Ivanek, Renata	May-21	Antibiotic resistance in dairy cattle: a foe, or no? A survey-based study of dairy farmers
Fortier, Lisa	May-21	Thrombinator Thrombin-platelet poor plasma fibrin sealant retains BioCartilage in high-load/shear cartilage defects

White, Andrew	May-21	Defining the PD1+ and PDL1+ populations in response to targeted therapy treatment in a murine melanoma model
Lin, Dave	May-21	Determining the effect of neuron-derived extracellular vesicles on axonal regeneration of dorsal root ganglia
Sethupathy, Praveen	May-21	Defining the strain-specific effects of high-fat diet on intestinal epithelial architecture in FVB mice
Walle, Gerlinde	May-21	Prevalence and pathology of equine parvovirus-hepatitis in New York racehorses
Sevier, Carolyn	May-21	Methionine sulfoxide reductases (MSRs) and Fe-S cluster biogenesis
Weiss, Robert	May-21	Investigating Sirtuin 5 (SIRT5)-mediated regulation of macrophage polarization in the tumor microenvironment
Nydam, Daryl	May-21	Social aspects of antimicrobial use, resistance, and regulation in dairy farming in Alberta, Canada
Fiorella, Kathryn	May-21	Deleterious health effects of harmful algal blooms on fishing communities in Lake Victoria, Kenya
Cazer, Casey	May-21	Efficacy of diagnostics for reducing inappropriate antimicrobial use in simple canine urinary tract infections
Loftus, John	May-21	Effects of 1,25(OH)2D3 on the transcriptome and cytokine production of purified canine peripheral blood mononuclear cells
Goodman, Laura	May-21	Surveillance for Salmonella and resistome profiling among hospitalized wildlife patients
McArt, Jessica	May-21	Calcium metabolism and associated patterns of milk constituents in early lactation dairy cows
Rudd, Rudd	May-21	Involvement of the CCR9-CCL25 axis in CD8+ T cell migration into the brain
Wagner, Bettina	May-21	IgE and sCD14 as Potential Biomarkers for Culicoides Hypersensitivity in Icelandic Horses
Reesink, Heidi	May-21	Multispecies proteomics reveals potential biomarkers for osteoarthritis

Coonrod, Scott	Jun-20	Advances in understanding molecular pathogenesis of Hemangiosarcoma using cutting-edge genome technologies
Lin, Dave	Jun-20	Role of Delta Protocadherin 19 in Axon guidance demonstrated through axon choice.
McArt, Jess	Jun-20	Does postpartum calcium supplementation interfere with homeostasis of dairy cows?
Fortier, Lisa	Jun-20	Bone lysis and foreign body reaction following polyvinyl synthetic cartilage implantation
August, Avery	Jun-20	Transcriptomic analysis of the role of tyrosine kinase ITK in Foxp3+ T regulatory cells
White, Andrew	Jun-20	Phenotypic plasticity of cutaneous squamous cell carcinoma mediated by cyclooxygenase-2
Reesink, Heidi	Jun-20	Proteoglycan 4/lubricin and implications for osteoarthritis therapy: A review
Aguilar-Carreno, Hector	Jun-20	A Veterinary Perspective on the most significant emerging viral pathogens.
Adler, Carrie	Jun-20	A Modern Approach to Planarian learning and Memory
Niktin, Alex	Jun-20	Expression of BMPs in uterine tube tissues and their implications in ovarian cancer
Cazer, Casey	Jun-20	Using survival analysis to examine antimicrobial resistance trends in canine Staphylococcus pseudintermedius
Gilbert, Martin	Jun-20	Lessons learned from the Pamir Mountains: what conservancies can do to save endangered species
Loftus, John	Jun-20	The role of the retrobiome in aging of dogs: a preliminary analysis of T cell phenotypes in retired sled dogs
Wagner, Bettina	Jun-20	Characterization of IL-4+ basophils in equine neonatal PBMC
Cummings, Bethany	Jun-20	Review of clinical efficacy of GLP-1-based therapeutics in dogs and cats

Mann, Sabine	Jun-20	Review of the physiology of pain, assessment techniques and painful conditions in dairy cows
Grohn, Yrjo	Jun-19	Statistical approach to evaluate trends in antimicrobial resistance in dogs over a 10-year period
Lin, Dave	Jun-19	Effects of extracellular vesicles on neuronal regeneration in the olfactory system
Gary Whittaker	Jun-19	Antiviral activity of doxycycline against feline coronavirus in vitro
Weiss, Robert	Jun-19	Differentiation Therapy as a Treatment Strategy for Testicular Germ Cell Tumors
Cindy Leifer/Tracy Stokol	Jun-19	Breast cancer microvesicles stimulate M2 in wildtype & reduce M1 in TRPV4 knockout macrophages
John Loftus/Heather Huson	Jun-19	Aerobic exercise induced changes in innate immune function and serum cytokine concentration in sled dogs
Michelle Delco	Jun-19	Mitochondrial transfer from mesenchymal stem cells to intervertebral disc cells of sheep
Van de Walle, Gerlinde	Jun-19	The effect of miRNA-214 on apoptosis in DNA-damaged cells
Heidi Reesink	Jun-19	Repeated arthrocentesis elevates synovial fluid lubricin, sGAG and HA degradation in two equine models
Song, Jeongmin	Jun-19	Characterizing the effects of nontyphoidal Salmonella serovar Javiana derived A 2 B 5 toxin on enteroid models
McArt, Jessica	Jun-19	Intravenous dextrose as a treatment for hyperketonemia in dairy cows
Sethupathy, Praveen	Jun-19	High-resolution transcriptomic analysis of the colon in a murine vertical sleeve gastrectomy / colitis model
Mann, Sabine	Jun-19	Markers of endoplasmic reticulum stress in periparturient bovine immune cells
Erica Behling-Kelly	Jun-19	Probing the interaction between bovine high density lipoproteins and Escherechia coli lipopolysaccharide

Avery August	Jun-19	Immune system maturity and Th2/Th17 responses in murine models of asthma
Williams, Wendy	Jun-19	The Effect of Oral Administration of Cisapride on Gastrointestinal Transit Time in New Zealand White Rabbits
Cummings, Kevin	Jun-19	Surveillance for zoonotic pathogens and antimicrobial resistance among hospitalized wildlife patients
White, Andrew	Jun-19	The role of Hmga2 in cutaneous inflammation following 12-O-tetradecanoylphorbol-13-acetate (TPA) treatment