

2022

Last Name	First Name	Mentor(s)	Dept	Project Title
Midkiff	Amanda	Panfil	VBS	the effects of m6A RNA modifications on the oncogenic retrovirus HTLV-1
Hegde	Shridula	Marsh	VPM	Development of novel <i>in vitro</i> cultivation methods for <i>Ancylostoma caninum</i> stages
Korenyi-Both	Jack	Arruda	VPM	Preparing for an animal health emergency: improving biosecurity and disease control protocols for the swine industry
Mamo	Esther	Newbold	VCS	Efficacy of a topical ophthalmic antihistamine in dogs with experimentally induced allergic conjunctivitis
Li	Becky	Schreeg	VBS	Clinical and pathologic features of feline infectious peritonitis (FIP) in geriatric cats
Cantu	Mercedes	Urion	VCS	Incidence of structural brain abnormalities in dogs with geriatric-onset epilepsy identified with 3T MRI and comprehensive scanning protocol
Hernandez Cueva	Juan	Arruda	VPM	Evaluation and improvement of a swine outreach program directed to small producers and non-swine veterinarians
Kimberly	Emma	O'Quin	VPM	Vaccine hesitancy and its impact on self, children, and animals
Shields	Morgan	Pesapane	VPM	Prevalence of <i>Brucella</i> species in small cetacean pulmonary nematodes along the coast of California
Roy	Meagan	Evans	VBS	Molnupiravir Retrospective Case Series
Behmer	Virginia	O'Quin	VPM	An evaluation of animal cruelty complaints in Ohio by type, outcome and demographics
Graham	Brittney	Lanno	Env Hlth Sci	Ecotoxicological investigation of contaminant effects on aquatic community biodiversity using eDNA
Keefer	Katelyn	Burns	VCS	Post-prandial metabolic response to a high-protein meal in experimental equine insulin dysregulation
McGlynn	Andrew	Hale	VPM	Longitudinal analysis of urine microbiota in healthy dogs

Satern	Faith	Flint, M	VPM	Assessment of blood lactate levels in painted turtles (<i>Chrysemys picta</i>) from dredged and non-dredged environments
Schrandt	Annaliese	Lakritz	VCS	Prevalence of <i>P. tenuis</i> in invertebrate vectors from Ohio counties with clinical disease in livestock
Seabeck	Spencer	Durgam	VCS	Delineating macrophage-tenocyte spatiotemporal interactions during tendon healing
Stewart	Cameron	Dennis	VPM	Association of insulin resistance with reproductive acyclicity in female African elephants
Stone, Jr	Charles	Winston	VCS	Gastrointestinal release site for delayed release and gelatin capsules in healthy dogs and cats
Strader	Summer	Wittum	VPM	Campylobacter prevalence and antimicrobial resistance in animal shelters
Trimble	Luke	Bowman	VPM	Evaluation of <i>Pasteurella Multocida</i> antibody titers in Ohio free-range, organic brown laying hens
Bryant	Ellen	Garabed	VPM	Evaluating outcome of low-cost patient care and patient selection
Wetzel	Lisa	Winston	VCS	Impact of standard of care treatments on canine parvovirus co-infections

2021

Last Name	First Name	Mentor(s)	Dept	Project Title
Allen	Brittany	Evans	VBS	Developing and optimizing a flow cytometry-based assay for feline infectious peritonitis virus
Cole	DaZane	Pesapane	VPM	Investigating bovine anaplasmosis via analysis of ticks and blood from Ohio livestock
Horton	Julia	Hostnik, L	VCS	Endocrine response to mare's milk in neonatal foals
Jachec	Emily	Winston	VCS	Clinical uses of ursodiol in companion animals
Kang	Danyue	Niewiesk	VBS	Applicability of ibuprofen to contain the respiratory syncytial virus
Kratzer	Gabriella	Parker	VCS	Cost comparison of home-cooked diets vs. commercial therapeutic diets for dogs with gastrointestinal disease
Li	Emma	Evans	VBS	Optimizing fountain flow cytometry as a diagnostic tool for septic effusions

Long	Sidney	Durgam	VCS	Adaptive changes in superficial digital flexor tendon hierarchical structure of racing Thoroughbreds
Ma	Crystal	Hokamp	VBS	Evaluation of ApoB100 as a potential urine biomarker for MPGN in dogs with proteinuric CKD
McGlynn	Andrew	Hale	VPM	Examining urine protein over time in healthy dogs
Midkiff	Amanda	Panfil	VBS	Defining the HBZ/YBX1 interaction and its role in HTLV-1 pathogenesis
Riha	Jordan	Rudinsky	VCS	Colonization and effect of Nissle 1917 E. coli probiotic on the healthy feline microbiome
Salerno	Matthew	Winston	VCS	Household pet exposure and infant microbiome
Shields	Morgan	Pesapane	VPM	Survival and control of infectious respiratory mites in sea otter care facilities
Snyder	Hailey	Toribio	VCS	Estrogens and their association with illness in hospitalized foals
Souza	Clarice	Flint, J/Flint, M	VPM	Causative agents for the increase in wildlife rehabilitation admittance
Summers	Jamie	Toribio	VCS	Vitamin D and parathyroid hormone during hospitalization in critically ill foals
Tyler	Kyleigh	Shive	VBS	Assessing VEGF-NPR2 signaling in malignant peripheral nerve sheath tumors
Wang	Wenjun	Garabed	VPM	An agent-based model of enteric disease in contact networks
Wittorff	Hannah	Jennings	VBS	Evaluation of histopathologic sectioning of canine soft tissue sarcomas
Woodfint	Rachel	Boyaka	VBS	Using serine protease inhibitors to improve host response to response to respiratory pathogens

2020

Last Name	First Name	Mentor(s)	Dept	Project Title
	Brittany	Evans	VBS	Optimizing fountain flow cytometry as a diagnostic tool for septic effusions
Almeida	Breanna	Habing	VPM	Minimal bactericidal concentration of biocides for <i>Salmonella spp</i>
Archibald	Wiley	Pesapane	VPM	Risk factors and control of infectious respiratory mites in sea otter care facilities

Bautista	Jesse	Dennis	VPM	Analysis of the gut microbiota and short-chain fatty acids for African (<i>Loxodonta africana</i>) and Asian (<i>Elephas maximus</i>) elephants housed in zoos
Caramagno	Lauren	Selmic	VCS	Does treatment administered or other patient or tumor factors affect development of non-pulmonary soft tissue metastatic appendicular osteosarcoma in dogs?
Cashman	Connor	Howard	VCS	FitBark validation for development as a canine canine clinical research calorimeter
El Musa	Hasan	Davis	VBS	Influenza A virus effect on alveolar fluid clearance and CDP-choline as potential treatment for ARDS in C57Bl/6 mice
Greenberg	Ji Ann	Bowman	VPM	Identification of risk factors contributing to the presence and transmission of influenza A virus in swine at agricultural fairs since 2012
Henning	Jed	O'Quin	VPM	Molecular and serologic surveys of shelter dogs and their ticks as sentinels for tick-borne disease risk in Ohio
Hutchinson	Dermot	Flint, J	VPM	Comparing development and umbilical scarring in American alligators from Louisiana and Florida
Jachec	Emily	Winston	VCS	Clinical utility of using a digital image to score canine fecal samples
Johnson	Alexis	Kisseberth	VCS	The effect of chemotherapy on canine natural killer (NK) cell numbers and cytotoxicity
Kiefer	Caitlin	Hostnik, E	VCS	Radiographic review of osteomyelitis and treatment response in stranded pinnipeds
Lages	Maisa	Selmic	VCS	Exploring optical coherence tomography imaging depth to differentiate tissues at surgical margins and for detection of lymphatic metastases
Loewen	Kelly	Diaz-Campos	VCS	Evaluating 16s rRNA, the sepsityper kit and traditional methods for diagnosis of bacteremia in veterinary patients
Meihls	Matthieu	Horvath	VCS	Age determination in Greyhounds using pulp chamber to tooth width ratio
Meyerson	Jeremy	Davies	VBS	Building 3-dimensional models for live-cell imaging to determine mechanisms of breast cancer resistance to therapy
Moran	Megan	Habing	VPM	Practical on-farm predictors of bacteremia in neonatal calves

Moreno	Adam	berrian	VPM	Physiologic, blood gas, and biochemical parameters of Sunda Pangolins (<i>Manis javanica</i>) during isoflurane anesthesia
Pennington	Anna	Hostnik, L	VCS	The effect of counter-regulatory hormones on insulin and glucose dynamics in the neonatal foal
Salerno	Matthew	Garabed	VPM	Infant microbial community dynamics and susceptibility to household pets
Shusterman	Lauren	Marsh/Joyner	VPM	Prevalence and drug sensitivity of nematodes in giraffes (<i>Giraffa camelopardalis</i>), sable antelope (<i>Hippotragus niger</i>), and white-tailed deer (<i>Odocoileus virginianus</i>)
Theile	Cheryl	Flint, M	VPM	Effects of metal contamination and high-volume horizontal hydraulic fracturing on aquatic wildlife in The Wilds, Cumberland, Ohio

Vesprani	Lauren	Pesapane	VPM	A ten year update on the status of Lyme disease in Ohio
Walker	Heather	Pomeroy	Environmental Health Sciences	Modeling influenza transmission in migratory waterfowl and risk assessment for pig populations
Wang	Muning	Quimby	VCS	Assessment of erythrocyte fragility in cats with chronic kidney disease
Yee	Heather	Marsh	VPM	Isolation and characterization of drug resistant <i>Ancylostoma caninum</i> from dogs

2019

Last Name	First Name	Mentor(s)	Dept	Project Title
Adams	Rachael	Wittum	VPM	Impact of intrauterine antimicrobial infusion on resistant <i>Enterobacteriaceae</i> in the microbiota of broodmares
Adams	Sierra	Quimby	VCS	Feline fecal survey study
Altmann	Nadine	Durgam	VCS	Atomic force microscopy to evaluate pericellular matrix properties of injured intrasynovial flexor tendons
Bercz	Adam	Burns	VCS	Assessing effect of AMPK agonists in horses with insulin dysregulation
Bick	Kelsey	Fenger	VCS	Interrogating the role of nuclear PTEN in maintaining chromosomal integrity in canine osteosarcoma cells
Chen	Chiaming	Burns	VCS	Effect of metformin, resveratrol, and aspirin on AMPK activation in equine insulin-responsive tissues

Cressman	Sophie	Kim	VBS	Effects of CD3e-immunotoxin treatment on tissue T-Lymphocytes
El Musa	Hasan	Davis	VBS	Functionals implications of impaired phospholipid synthesis for ATII cells in influenza
Fabelo	Carolina	Selmic	VCS	Assessing the diagnostic accuracy of optical coherence tomography for surgical margin assessment for canine mammary tumors
Feinzig	Adam	Dabrowski	SENR	Morphological and histological analysis of liver and intestine in rainbow trout fed diets enriched in high-oleic-acid
French-Kim	Kristen	Niewiesk	VBS	Combining the fusion protein of human respiratory syncytial virus and the hemagglutinin protein of measles virus to create a combination vaccine candidate
Garcia	Jessica	Sharma	VBS	Role of interferon-induced host factors in restriction of chimeric simian/human immunodeficiency viruses
Gibson	Jordan	Rudinsky	VCS	Characterization and in vitro susceptibility of clinical feline UPEC isolates to an E. coli probiotic
Giralico	Leah	Stull/Wittum	VPM	Lyme disease in dogs: prevalence, clinical illness, and prognosis
Guresh	Andrew	Newbold	VCS	The effect of central corneal thickness on intraocular pressure values using various tonometers in the dog
Guzman	Daniella	Flint	VPM	Progesterone levels in pregnant giraffe-detection and validation
Hughes	Natalie	Tinga	VCS	Femorotibial kinematics in dogs treated with CORA-based leveling osteotomy for cranial cruciate ligament insufficiency
Johnson	Alexis	Rikihisa	VBS	Mechanisms of interferon-gamma resistance of Ehrlichia in macrophages
Jones	Sarah	Quimby	VCS	Owner Survey of defecation frequency in CKD cats
Kiefer	Caitlin	Hostnik	VCS	Computed Tomography for the osseous structures of the skull in the Red Panda (<i>Ailurus fulgens</i>)
King	Emily	Green/Panfil	VBS	Role of HTLV envelope in transformation tropism
Minich	David	Hale	VPM	Characterizing the gut microbiome of rainbow lorikeets (<i>Trichoglossus haematodus moluccanus</i>) seasonally and during episodes of enteritis
Oruganti	Pallavi	Berrian	VPM	Influence of sociodemographic factors on infectious and zoonotic pathogen risk in a resource-limited community at the livestock-wildlife interface

Overcast	Macon	Garabed	VPM	Cattle production and landscape pattern's impact on antimicrobial resistance: a participatory epidemiology approach
Palillo	Michael	Malbrue	VPM/ULAR	Housing, husbandry and clinical techniques for crayfish (<i>Procambarus spp</i>) used in biomedical research
Ranney	Emma	Coutinho da Silva	VCS	Improving sperm cryopreservation in Sauger (<i>Sander canadensis</i>)
Rose	Julia	Proudfoot	VPM	The effect of stocking density and a physical barrier on the social behavior of transition dairy cows
Rowe	John	Boyaka	VBS	Augmenting Neutrophil function to improve sublingual vaccination
Showers	Annie	Horvath	VCS	Comparison of ovarian pedicle ties vs double circumferential ligatins in student performed feline ovariohysterectomies
Shusterman	Lauren	Hostnik	VCS	Computed Tomography of the osseous skull structures in the giant panda (<i>Ailuropoda melanoleuc</i>)
Stahl	Rachel	Green/Panfil	VBS	Role of HTLV-1 HBZ in transformation and disease
Vasyliiev	Ava	Moore	VCS	The role of Sur1 in ischemic spinal cord injury caused by canine fibrocartilaginous embolism
Walker	Heather	Arruda	VPM	Sampling evaluation ofr porcine reproduction and respiratory syndrome (PRRS) virus detection
Weaver	Kentlyn	Habing	VPM	Survey of organic dairy producers and motivations behind lack of vaccine use
Zelachowski	Kendra	Runcan	VCS	Effect of ejaculation frequency, PGF2a, and cooled storage on the quality of canine frozen-thawed semen

2018

Last Name	First Name	Mentor(s)	Dept	Project Title
Adams	Rachael	Wittum	VPM	Impact of intrauterine antibiotic infusion on the recovery antimicrobial resistant <i>Enterobacteriaceae</i> in the reproductive and enteric flora of mares
Boisvert	Natalie	Fenger	VCS	Characterizing the biological consequences of PTEN loss in canine osteosarcoma
Bookenberger	Lane	Moore	VCS	Comparison of the effects of body position and neurologic status of measures of spasticity in dogs
Carman	Michelle	Marsh	VPM	Evaluation of a Commercial <i>Haemonchus contortus</i> vaccine in exotic hoofstock
Courtney	Lindsay	Wittum	VCS/COM	

Fernandez	Mariana	Dyce	VCS	Femoral Cortical Remodeling in Dogs with Luxated Dysplastic Hips. A Complicating factor for Total Hip Replacement
French-Kim	Kristen	Niewiesk	VBS	Testing Potential Vaccine Candidates for Human Respiratory Syncytial Virus in Cotton Rats (<i>Sigmodon hispidus</i>)
Garcia	Jessica	Habing	VPM	Prevalence of Bacteremia in Diarrheic Calves and Treatment Protocol
Hengy	Miranda	Habing	VPM	A Comparison of Traditional Culture and MALDI-TOF Sepsityper in Detecting Bacteremia in Diarrheic Calves
Jiron	Lindsey	Davis	VBS	Role of ATII Cell HIF-1 α in Influenza Pathogenesis
King	Emily	Hostnik	VCS	Hepatic Computed Tomographic Evaluation in Clinically Healthy, Captive Side Necked Turtles (<i>Chelodina siebenrocki</i>) and Vietnamese Pond Turtles (<i>Mauremys annamensis</i>)
Kuerbitz	Ellen	Warry/Fenger	VCS	Circulating exosome microRNA Associated with Survival in Spontaneous Canine Osteosarcoma
Lama	Victoria	Hokamp	VBS	Correlation of Pre- and Post- Mortem Urinalysis Findings in Dogs
Lantz	Sophia	Cooper	VCS	Microcirculatory changes associated with administration of various fluids in dogs with isoflurane-induced hypotension
Lewis	Chaunte	Niewiesk	VBS	Maturing the Immune System of Cotton Rats with KLH-DNP
Lordi	Nicholas	Flint	VPM	Evaluating SDMA as a Renal Insufficiency Marker in Captive Cheetahs Through the Design of an Iohexol Clearance Study
Makii	Rebecca	Fenger	VCS	Investigating the Role of Wwox in DNA Damage Repair and Radiosensitivity of Canine Osteosarcoma Cells
McAuley	Rachel	Toribio	VCS	Effect of Progestogen Administration to Pregnant Mares on Foal Health
Minich	David	Hale	VPM	Examining M Cells in the Rectal Tissue of White-Tailed Deer (<i>Odocoileus virginianus</i>) Dwelling in Urban and Suburban Habitatas
Monje	Daniela	Flint	VPM	Characterization and Comparison of Haemonchus Isolated from Different Wild Ruminant Species within an Exhibit
Nelson	Andrew	Davis	VBS	Liponucleotide Therapeutics for Asthma

Nijveldt	Eline	Belknap/Burns	VCS	Endocrinopathic Laminitis: Pathophysiology and Treatment
Overcast	Macon	Arruda/Wittum	VPM	Surveillance and Genomic Characterization of MDR <i>E. coli</i> from Ovine Population on Navajo Nation
Palillo	Michael	Bertone	VCS	Amnion Fluid and Stem Cell Intra-articular Injection: Safety and Efficacy in Osteoarthritic Joints
Paschall	Rene	Quimby	VCS	Assessing Expression of CD31 in Feline Kidneys to Characterize Peritubular Capillary Density in CKD
Peck	Chanera	Kisseberth	VCS	Breed Association of Natural Killer (NK) Cell Number and Function in Dogs
Rowe	John	Boyaka	VBS	Novel Adjuvant Approach for Mucosal Vaccination Against Influenza Virus
Rullan-Oliver	Paola	Millward/O'Quin	VCS/VPM	Homelessness and Animal Companions
Singh	Benjamin	Durgam	VCS	Cross-Sectional Collagen Distribution and Cellular Morphology in Normal and Injured Equine Tendons
Smith	Anthony	Rikihisa	VBS	Molecular Pathogenesis of Ehrlichial Infection in Mouse Disease Model
Stahl	Rachel	Green	VBS	Identification of HTLV-1 HBZ Binding Partners and Their Role in HTLV-1 Biology and Pathogenesis
Tracey	Amahdi	Kim	VBS	Investigation of T-cell and Blood Stem Cell Behaviors in HIV/AIDS Gene Therapy