

2018 Research Forum Oral Presentation Schedule

Time	Location	Presenter	Title
8:00 a.m.- 8:10 a.m.	North Theater	Blake, Jackie (VS - Olby, Bereman)	INVESTIGATION OF NOVEL PROGNOSTIC BIOMARKERS IN DOGS AFFECTED WITH DEGENERATIVE MYELOPATHY
8:12 a.m.- 8:22 a.m.	North Theater	Gupta, Ankita (VS – Ghashghaei)	ASSESSMENT OF BASAL BEHAVIORS IN GENETIC MOUSE MODELS OF MILD AND SEVERE HYDROCEPHALUS
8:24 a.m.- 8:34 a.m.	North Theater	Johnson, Caroline (GS – Ghashghaei)	DYNAMIC PHOSPHORYLATION OF SP2 IS REQUIRED FOR ASYMMETRIC DIVISIONS IN THE DEVELOPING CORTEX
8:36 a.m.- 8:46 a.m.	North Theater	Montoya, Sarah (VS – Saker, Munana)	EVALUATING SYSTEMIC INFLAMMATION AS A CONTRIBUTOR TO THE DEVELOPMENT OF CANINE IDIOPATHIC EPILEPSY
8:48 a.m.- 8:58 a.m.	North Theater	Perdew, Irina (VS – Mariani)	EVALUATION AND QUANTIFICATION OF THE BRAF MUTATION IN TISSUE SAMPLES AND CELL-FREE TUMOR DNA WITHIN CEREBROSPINAL FLUID OF HISTOLOGICALLY CONFIRMED GLIOMA PATIENTS
9:00 a.m.- 9:10 a.m.	North Theater	Adrian, Derek (GS – Lascelles)	EVALUATION OF THE EFFICACY AND SAFETY OF ONSIOR (ROBENACOXIB) TABLETS IN CATS WITH CHRONIC MUSCULO-SKELETAL DISORDER
9:12 a.m.- 9:22 a.m.	North Theater	Adrian, Derek (GS – Lascelles)	FEASIBILITY AND REPEATABILITY OF MEASURING NOCICEPTIVE WITHDRAWAL REFLEXES IN HEALTHY CATS
9:24 a.m.- 9:34 a.m.	North Theater	Chiu, King Wa (NS – Lascelles)	THE EFFECT OF NATURALLY OCCURRING OSTEOARTHRITIS ON CONDITIONING PAIN MODULATION IN THE CANINE MODEL
9:36 a.m.- 9:46 a.m.	North Theater	Carlson, Alexandra (VS – Messenger)	STERILITY AND STABILITY OF LIPOSOMAL BUPIVACAINE SINGLE USE VIAL WHEN USED IN A MULTIPLE DOSE MANNER
9:48 a.m.- 9:58 a.m.	North Theater	Long, Sarah (VS – Messenger)	THE EFFECTS OF GRAPIPRANT ON ACUTE PAIN FOLLOWING OVARIOHYSTERECTOMY IN DOGS
10:00 a.m.- 10:10 a.m.	North Theater	Nixon, Emma (GS – Baynes, Messenger)	PHARMACOKINETICS AND PHARMACODYNAMICS OF NON-STEROIDAL ANTI-INFLAMMATORY DRUGS AT PIGLET CASTRATION
10:12 a.m.- 10:22 a.m.	North Theater	Harver, Dylan (VS – L. Nelson)	READABILITY AS A SOURCE OF MEASUREMENT ERROR IN VETERINARY MEDICAL EDUCATION ASSESSMENTS
10:24 a.m.- 10:34 a.m.	North Theater	Kurtz, Kari (HO – D. Adin)	PREDICTING DISEASE STAGE AND DIURETIC RESPONSIVENESS IN DOGS WITH ACQUIRED HEART DISEASE

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8:00 a.m.- 8:10 a.m.	A-101	Walker, Grayson (VS – Thakur, Borst)	THE ROLE OF <i>ENTEROCOCCUS FAECALIS</i> IN THE MODULATION OF AVIAN PATHOGENIC <i>E. COLI</i> INFECTIONS OF POULTRY
8:12 a.m.- 8:22 a.m.	A-101	Klontz, Dallas (VS – Borst)	BIOFILM FORMATION IN COMMENSAL AND PATHOGENIC <i>ENTEROCOCCUS CECORUM</i> STRAINS ISOLATED FROM BROILER CHICKENS
8:24 a.m.- 8:34 a.m.	A-101	Cruz, Eddy (UG – Elfenbein)	DMSO REDUCTION INCREASES BOTH ANAEROBIC GROWTH AND BIOFILM FORMATION IN <i>SALMONELLA TYPHIMURIUM</i>
8:36 a.m.- 8:46 a.m.	A-101	Griewisch, Kyle (GS – Elfenbein, Pierce)	SYNTHETIC 4-OXAZOLIDINONES: THE SEARCH FOR ANTIMICROBIAL AND ANTIBIOFILM DRUG TARGETS
8:48 a.m.- 8:58 a.m.	A-101	Parker, Tracy (VS – Elfenbein)	TRAVELERS' DIARRHEA: PROVIDENCIA ALCALIFACIENS CAN INFECT HUMANS, AND CALVES, BUT WHAT ABOUT MICE?
9:00 a.m.- 9:10 a.m.	A-101	Westerman, Trina (GS – Sheats, Elfenbein)	IDENTIFICATION OF <i>SALMONELLA TYPHIMURIUM</i> GENES ESSENTIAL TO INDUCE THE NEUTROPHIL RESPIRATORY BURST
9:12 a.m.- 9:22 a.m.	A-101	Dawson, Dan (NS – Lanzas)	TRANSMISSION ON EMPIRICAL DYNAMIC CONTACT NETWORKS IS INFLUENCED BY DATA PROCESSING DECISIONS
9:24 a.m.- 9:34 a.m.	A-101	Erwin, Samantha (NS – Lanzas)	MATHEMATICAL MODELS OF HIGH DIMENSIONAL DATA FORM CLOSTRIDIUM DIFFICILE INFECTION
9:36 a.m.- 9:46 a.m.	A-101	Farthing, Trevor (NS – Lanzas)	USING NETWORK ANALYSIS AND MODELING TO ILLUMINATE THE INFLUENCE OF SOCIAL BEHAVIORS ON FEEDLOT-CATTLE DISEASE TRANSMISSION DYNAMICS
9:48 a.m.- 9:58 a.m.	A-101	Love, William (NS – Jacob, Lanzas)	CORRELATION STRUCTURE OF NON- β -LACTAM RESISTANCES IN METHICILLIN-RESISTANT <i>S. PSEUDINTERMEDIUS</i> ISOLATES FROM CANINE PATIENTS
10:00 a.m.- 10:10 a.m.	A-101	Gilbertie, Jessica (GS – Schnabel)	PLATELET-RICH PLASMA LYSATE INTRAARTICULAR THERAPY IMPROVES BACTERIAL LOAD AND CLINICAL OUTCOMES IN AN EQUINE MODEL OF <i>STAPHYLOCOCCUS AUREUS</i> INDUCED INFECTIOUS ARTHRITIS
10:12 a.m.- 10:22 a.m.	A-101	Gilbertie, Jessica (GS – Schnabel)	AGGREGATION OF <i>STAPHYLOCOCCUS AUREUS</i> IN SYNOVIAL FLUID CAUSES ANTIMICROBIAL TOLERANCE DUE TO CHANGES IN GROWTH KINETICS, ATP PRODUCTION AND CELLULAR RESPIRATION
10:24 a.m.- 10:34 a.m.	A-101	Thanissery, Rajani (NS – Theriot)	INCIDENCE AND GENETIC CHARACTERIZATION OF <i>CLOSTRIDIUM DIFFICILE</i> ISOLATED FROM ANIMALS, AND THE ASSOCIATED CHANGES IN THE HOST FECAL MICROBIOTA

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1:00 p.m.- 1:10 p.m.	North Theater	Ziegler, Amanda (GS – Blikslager)	NEONATAL DEFECT IN INTESTINAL BARRIER RESTITUTION IS RESCUED BY JUVENILE MUCOSAL HOMOGENATE
1:12 p.m.- 1:22 p.m.	North Theater	Jin, Younggeon (NS – Blikslager)	KNOCKOUT OF CLC-2 REVEALS CRITICAL FUNCTIONS OF ADHERENS JUNCTIONS IN COLONIC HOMEOSTASIS AND TUMORIGENICITY
1:24 p.m.- 1:34 p.m.	North Theater	Bacola, Gregory (GS – Van Landeghem)	ENTERIC GLIAL CELLS PROMOTE COLON CANCER STEM CELL CHEMORESISTANCE VIA AN ATM-DEPENDENT PATHWAY
1:36 p.m.- 1:46 p.m.	North Theater	Tufts, Sara (VS - Gonzalez)	INTESTINAL STEM CELL REPARATIVE RESPONSE TO SEVERE ISCHEMIC INJURY
1:48 p.m.- 1:58 p.m.	North Theater	Gonzalez, Gabriel (VS – Gonzalez)	ANALYSIS OF CHANGES IN STEM CELL BIOMARKERS TO DETERMINE TISSUE VIABILITY AND OUTCOME IN HORSES WITH INTESTINAL STRANGULATION
2:00 p.m.- 2:10 p.m.	North Theater	Stewart, Amy (GS – Gonzalez)	SIGNALS ARISING FROM THE SURROUNDING SUBEPITHELIAL TISSUE ARE CRITICAL FOR INTESTINAL REPAIR FOLLOWING SEVERE ISCHEMIC INJURY
2:12 p.m.- 2:22 p.m.	North Theater	Stewart, Amy (GS – Gonzalez)	INCLUSION OF BUTYRIC ACID AND ZINC MAY PROTECT EQUINE INTESTINAL EPITHELIAL CELLS DURING PERIODS OF SEVERE STRESS
2:24 p.m.- 2:34 p.m.	North Theater	Pratt, Haley (VS – Piedrahita)	ATTEMPTED EXPANSION OF BILIARY TREE STEM CELLS THROUGH CULTURE IN CONDITIONS FOR INTESTINAL STEM CELL EXPANSION
2:36 p.m.- 2:46 p.m.	North Theater	Nemec, Paige (GS – Hess)	THE PREVELANT BOXER DOG LEUKOCYTE (DLA)-8*034:01 ALLELE PRESENTS 9-MER PEPTIDES WITH A CONSERVED BINDING MOTIF
2:48 p.m.- 2:58 p.m.	North Theater	Wise, Elisabeth (VS – Mowat)	DEVELOPMENT OF A CLINICAL ELECTROPHYSIOLOGICAL PROTOCOL TO SEPARATE CONE SUBCLASS FUNCTION IN DOGS

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1:00 p.m.- 1:10 p.m.	A-101	Meier, Elisa (VS – Gookin)	COLON-TARGETED DELIVERY OF A NOVEL TREATMENT FOR <i>TRITRICHOMONAS FOETUS</i> INFECTION IN CATS
1:12 p.m.- 1:22 p.m.	A-101	Brochu, Hayden (GS – Peng)	CHARACTERIZATION OF MACAQUE GUT MICROBIOME RESPONSE DURING RHCMV/SIV VACCINATION AND HIV CHALLENGE
1:24 p.m.- 1:34 p.m.	A-101	Andrews, Natalie (VS – S. Bailey)	TRANSCERVICAL ADMINISTRATION OF PROCAINE PENICILLIN AND GENTAMICIN IN PREGNANT MARES INDUCED PRECOCIOUS FETAL MATURATION
1:36 p.m.- 1:46 p.m.	A-101	Von Dollen, Karen (HO – S. Bailey)	ANTIBIOTIC ACTIVITY IN AN <i>EX VIVO</i> MODEL OF CANINE PYOMETRA
1:48 p.m.- 1:58 p.m.	A-101	Beachler, Theresa (GS – S. Bailey)	ALTERATIONS OF THE CTUP IN RESPONSE TO ASCENDING PLACENTITIS PRECEDE CHANGES IN HEMATOLOGIC INFLAMMATORY MARKERS, PROGESTERONE AND ESTRADIOL-17 β CONCENTRATIONS, AND ALLANOTIC METABOLITES
2:00 p.m.- 2:10 p.m.	A-101	Báez-Ramos, Patricia (VS - Lyle, Gonzalez)	USE OF PROTEIN BIOMARKERS TO CHARACTERIZE EPITHELIAL STEM CELLS IN THE EQUINE ENDOMETRIUM
2:12 p.m.- 2:22 p.m.	A-101	Bublitz, Claire (UG - Baynes)	COMPARATIVE URINE AND TISSUE RESIDUES OF FLUNIXIN AND MELOXICAM IN SHOW GOATS
2:24 p.m.- 2:34 p.m.	A-101	Lynch, Alex (NS)	PROTHROMBIN TIME CORRELATES BETTER WITH ANTI-XA ACTIVITY THAN THROMBOELASTOGRAPHIC VARIABLES IN HEALTHY DOGS RECEIVING RIVAROXABAN
2:36 p.m.- 2:46 p.m.	A-101	Lai, Erik Yen-Hao (GS – Nolan)	RADIOTHERAPY-INDUCED MUCOSITIS AND PAIN IS ASSOCIATED WITH TRPV1 AND TRPV4 ACTIVATION
2:48 p.m.- 2:58 p.m.	A-101	Stoneburner, Regan (VS – Mathews)	COMPARISON OF STRESS ABATEMENT STRATEGIES FOR FELINE FRIENDLY HOUSING
3:00 p.m.- 3:10 p.m.	A-101	Carson, Megan (VS – Gruen)	BEHAVIORAL CORRELATES OF CANINE TAIL POSITION IN A LEASH-ASSOCIATED AGGRESSION MODEL