

| Sunday, January 22 | Presenter Abstract # | Salon II (7th) Title | Presenter Abstract # | Chicago A/B (5th) Title | Presenter Abstract # | Chicago C (5th) Title | Presenter Abstract # | Chicago D (5th) Title | Presenter Abstract # | Chicago E (5th) Title | Presenter Abstract # | Chicago F/G (5th) Title | |
|-----------------------|--|------------------------------|---|---|----------------------|--|--|--|--|--|--|--|--|
| Time | Session 1 | AVEPM - Schwabe Symposium | Session 2 | General Health & Physiology 1 | Session 3 | Aquaculture | Session 4 | Vaccinology 1 | Session 5 | Immunology 1 | Session 6 | Virology 1 | |
| Sunday | 8:30 am | AVEPM Calvin Schwabe Lecture | Ziegler A | Dietary oligosaccharides modulate microbiome, enteric glia, and epithelial barrier function in suckling pigs | Koepper S | Diversity and community composition of the shell microbiome of American lobster (<i>H. americanus</i>) in Atlantic Canada | Cargnin Faccin F | Development of a modified live attenuated influenza virus vaccine against H9N2 for poultry | Bettin L | Kinome Analysis reveals age-dependent mechanisms of TLR7/8 induced signaling in porcine gamma-delta T Cells | Joaquin Caceres C | Antigenic map of the hemagglutinin of influenza A virus of the H9 subtype | |
| | 8:45 | Tim Carpenter | Gaire T | Effect of commingling and dietary fiber interventions on select performance metrics of suckling and weaned pigs | Peterson R | Boosting copper toxicity towards <i>Saprolegnia parasitica</i> | Choudhary P | Optimization of an intratracheal (i.u.) vaccine against porcine epidemic diarrhea virus (PEDV) in piglets | Wiarda J | Regional specialization of intraepithelial T cells and microbiota in the pig intestinal tract | Kim J | A panel of pig macrophage-derived cell clones that differs in ability to support various steps of PRRSV replication | |
| | 9:00 | 1 | Ramon Diaz Ortiz G | Rapid rumen microbiome change driven by weaning strategy on beef calves | Bernabe K | Exploring the role of T3SS gene in virulence of the oyster pathogen <i>Vibrio coralliilyticus</i> | Chowdhury S | A PRV Vectored PCV2/CSFV-Sub Vaccine protects pigs against lethal CSFV challenge and failed to replicate in TG | Liu H | An alternative cell culturing method to improve antigen-specific IFN γ responses to <i>Lawsonia intracellularis</i> protein | Thieulent C | Rapid detection of equine CXCL16 allelic variants associated with equine arteritis virus persistence | |
| | 9:15 | AVEPM Featured Speaker | Llada I | Behavioral and physiological changes associated with poor performance in late-fall toxic fescue grazing steers | Hanson L | Elucidation of virulence-associated proteins encoded by <i>Flavobacterium covaie</i> , an important channel catfish pathogen | Chand D | Evaluation of local innate immune responses induced by novel cyclic polyphosphazene, and other adjuvants in pigs | Kandel A | Differential expression of CD45RO and CD45RA in bovine T cells | Lorusso A | Diagnosis and characterization of a novel strain of EHDV-8 in Tunisia in 2021 | |
| | 9:30 | Karl Rich | Rients E | Weather impacts cattle behavior during disease challenge | Hanson L | Microcystin-LR exposure predisposes channel catfish to bacterial diseases | Khatooni | Employing artificial intelligent, computational simulations, and molecular docking for developing PRRSV vaccine | Dolbec D | IgM antibodies play a major role in the elimination of <i>Streptococcus suis</i> | Carpenter M | Characterizing the effect of coinfection ratios on bluetongue virus reassortment in <i>Culicoides sonorensis</i> | |
| | 9:45 | 2 | Redding L | Effects of regional limb perfusion technique antibiotic levels achieved at the target site: a meta-analysis | | | | | | | | | |
| | 10:00 - 10:30 | Break | | Break | | Break | | Break | | Break | | Break | |
| Time: | Session 7 | AVEPM - Schwabe Symposium | Session 8 | General Health & Physiology 2 | | | Session 9 | Vaccinology 2 | Session 10 | Immunology 2 | Session 11 | Disease Pathogenesis 1 | |
| Sunday | 10:30 am | AVEPM Featured Speaker | Thompson A | Comparing the variation in measures of IgG and serum total protein in neonatal calf serum | | | Chowdhury S | Novel BoHV-1-vectored Rift Valley fever virus-sub vaccine induces RVFV-specific neutralizing antibodies in calves | Thelen K | Mast cell histamine mediates intestinal inflammation to early weaning in piglets via histamine 2 receptor (H2R) | Klaeui C | <i>Lawsonia intracellularis</i> does not activate canonical Wnt signaling in cell lines in vitro or in swine intestine | |
| | 10:45 | Michael Ward | Shrestha R | Effect of hemolysis on goat serum antibody testing by ELISA | | | Angelos J | Prevention of bovine pinkeye by intranasal vaccination with <i>Moraxella</i> spp. antigens | Thoresen M | Application of mRNA to bovine preputial epithelium induces expression of antibodies against <i>Trichomonas foetus</i> | Kwon T | Gene editing of pigs to control swine influenza virus infections | |
| | 11:00 | 33 | Woodruff K | Veterinary student proficiency and time efficiency in canine and feline ovariohysterectomies | | | Barbosa L | Functional and structural characterization of potential immunogenic proteins of pathogenic <i>Leptospira</i> | Holmes C | Mucosal and systemic secretion of antileukoprotease during equine inflammation | Rawal G | Experimental study comparing contemporary and historical PRCV isolates with and without subsequent IAV infection | |
| | 11:15 | AVEPM Featured Speaker | Gunderson T | A survey of Southeast beef veterinarians regarding methods of bull breeding soundness evaluation | | | Wilson H | Protective efficacy of an intramuscular subunit vaccine for <i>Lawsonia intracellularis</i> in pigs | Van de Walle G | Impact of equine mesenchymal stromal cell secretome on innate immune response during wound healing | Wang B | Investigation of ribavirin resistance-associated hepatitis E virus mutations using genotype 3 rabbit HEV model | |
| | 11:30 | Mark Stevenson | Uribe Corrales N | Colombian Creole Horse: Frequency of oral and motor stereotypies | | | Alenton R | Overcoming roadblocks for RNA-targeted antiviral therapy in shrimp through an orally-delivered shrimp viral vector | Samuel B | Trained immunity in bovine innate cell populations followed by subcutaneous BCG administration | Mansfield L | <i>Lactobacillus murinus</i> activated the aryl hydrocarbon receptor but failed to attenuate <i>Campylobacter</i> -induced colitis | |
| 11:45 | 34 | Kolar Q | The effect supplementation with <i>Saccharomyces cerevisiae</i> fermentation product on mammary immune cell populations | | | Rajeev S | Identification of potentially immunogenic peptide epitopes from <i>Ehrlichia canis</i> and <i>Anaplasma platys</i> | Mavangira V | Soluble epoxide hydrolase activity from various cells in an in-vitro model of bovine coliform mastitis | Mazumdar V | Host FBXO22 enhances uptake of <i>Brucella</i> by macrophages promotes secretion of pro-inflammatory cytokines | | |
| Lunch - 12:00 to 1:30 | Lunch Break (On Your Own) | | | | | | | | | | | | |
| Lunch - 12:00 to 1:30 | CRWAD Fellows Luncheon (Invitation Only) | | | | | | | | | | | | |

| Time: | Session 12 | CRWAD Council Keynote and Special Symposium | CRWAD Council Keynotes and Special Symposium | CRWAD Council Keynotes and Special Symposium | CRWAD Council Keynotes and Special Symposium | CRWAD Council Keynotes and Special Symposium | CRWAD Council Keynotes and Special Symposium |
|--------------|---|---|--|--|--|--|--|
| 1:30 PM | Opening Remarks & Introduction of Fellows | | CRWAD Featured Presentations Chicago Ballroom D | CRWAD Featured Presentations Chicago Ballroom D | CRWAD Featured Presentations Chicago Ballroom D | CRWAD Featured Presentations Chicago Ballroom D | CRWAD Featured Presentations Chicago Ballroom D |
| 2:00 PM | CRWAD Keynote | | | | | | |
| 2:15 | Tony Goldberg | Adrift in the Virosphere: Animal Health in the Age of Viral Metagenomics | | | | | |
| 2:30 | | | | | | | |
| 2:45 | 59 | | | | | | |
| 3:00 | CRWAD Special Symposium | | | | | | |
| 3:15 | G. Cliff Lamb | The impact of COVID on agricultural research | | | | | |
| 3:30 | 60 | | | | | | |
| 3:45 to 4:15 | Break | | Break | Break | Break | Break | Break |
| Time: | Session 13 | CRWAD Special Symposium | CRWAD Special Symposium | CRWAD Special Symposium | CRWAD Special Symposium | CRWAD Special Symposium | CRWAD Special Symposium |
| 4:15 PM | CRWAD Special Symposium | | CRWAD Featured Presentations Chicago Ballroom D | CRWAD Featured Presentations Chicago Ballroom D | CRWAD Featured Presentations Chicago Ballroom D | CRWAD Featured Presentations Chicago Ballroom D | CRWAD Featured Presentations Chicago Ballroom D |
| 4:30 | KatieRose McCullough | What happened? COVID-19 and the meat industry | | | | | |
| 4:45 | 61 | | | | | | |
| 5:00 | CRWAD Special Symposium | | | | | | |
| 5:15 | Noelle Noyes | Conducting research during a global pandemic: musings of an early career scientist | | | | | |
| 5:30 | 62 | | | | | | |
| 5:45 - 6:15 | Panel Discussion | | | | | | |
| 6:00-8:00 PM | Alumni Receptions -- Denver/Houston (5th) -- Univ. of Minnesota (invitation only), Kansas State Univ. | | | | | | |

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|-----------------------|---------------------------|---|----------------------------------|--|---|---|---|---|---|--|---|---|---|--|
| Time | Session 14 | Animal Vaccinology Research Network Symposium | Session 15 | Food Safety | Session 16 | Diagnostic Testing | Session 17 | Antimicrobial Use 1 | Session 18 | Epidemiology 1 | Session 19 | Biosecurity & Infection Control 1 | | |
| Monday | 8:30 am | Vaccine Network Featured Speaker Heterologous prime-boost vaccination: from COVID-19 to HIV | Sarkar S | Effect of veterinary feed directive regulation on violative antibiotic residues in tissues of food animals in the US | Vogel E | Development of electrochemical sensors for on-farm detection of bovine infections | Strong K | National surveillance of antimicrobial use in Canadian feedlots to date | Welch J | Prevalence of Q fever antibodies in a large study of domestic goat does in the USA and associated risk factors | Germann J | Understanding Ontario horse owners attitudes and perceptions towards biosecurity during the COVID-19 pandemic | | |
| | 8:45 | | Shan Lu | Comparison of antimicrobial resistance among Salmonella serovars isolated from Canadian turkey flocks, 2013-2021 | Aravamuthan S | Performance evaluation for the real-time detection of digital dermatitis in dairy cattle on edge devices | Butters A | Surveillance of antimicrobial resistance in bovine respiratory disease pathogens on Canadian feedlots | Burton M | Prevalence and seasonality of Bluetongue Virus on the Front Range of Colorado in domestic ruminants during 2021 | Agrawal I | Illinois veterinarians attitudes, knowledge, and practices toward biosecurity | | |
| | 9:00 | | 63 | Nickodem C | Natural and targeted bacteriophage treatments as a Salmonella pre-harvest mitigation technique in cattle feedlots | Ramasamy S | Antigen cartography for the determination of historical SARS-CoV-2 variant exposure in animals using serology | Smock T | Targeted metaphylaxis using rectal or infrared temperature in high-risk steers during the feedlot receiving period | Urig H | True prevalence and predictive value of FeLV and FIV virus test results among northern Mississippi shelter cats | Baye RS | Understanding how intention to adopt biosecurity measures affects indemnity design by United States swine producers | |
| | 9:15 | | Vaccine Network Featured Speaker | Lauder K | Prevalence of Shiga toxin genes in E. coli DNA extracted from finisher pig feces in Illinois, USA | Stanton J | MiniION-based semi-targeted PCR-Seq of infectious bronchitis viruses: balancing inclusivity and sensitivity | Awsolke B | Correlation between cepem and CMY-2 resistance in S. enterica and E. coli from human and food animal sources | Julianingsih D | Prevalence of Salmonella Pullorum and Gallinarum in poultry farms and potential option to control | Zia A | Discovering leverage points for enhancing biosecurity in swine production networks using agent based models | |
| | 9:30 | | Thanh Nguyen | Time-release microneedle-based vaccine platforms | Tabashsum Z | Ex vivo evaluation of modified probiotic metabolites with prebiotic like components against Campylobacter | Shrestha R | Effect of swab retention in MTM on detection of ASF virus DNA in blood swab samples | Rahman MK | beta-lactamase genes in Enterobacteriaceae from the food animal and human surveillance programs in the United States | Riley D | Prevalence and contributing factors of enteric parasites in cats and dogs on intake to Mississippi shelters | Agrawal I | Understanding swine producers and veterinarians biosecurity perception and practices: a scoping review |
| | 9:45 | | 64 | Edache S | Use of a postbiotic product to reduce Salmonella prevalence in the peripheral lymph nodes of cull dairy cattle | Woodruff K | Sensitivity of standing fecal flotation in hookworm identification in fecal aliquots from shelter canines | Locke S | Prevalence and relatedness of Salmonella recovered from Ohio and Wisconsin livestock markets | | | Jasper N | I have gloves! Food animal veterinarians perceptions of zoonotic disease risks and prevention | |
| 10:00 - 10:30 | Break | | Break | | Break | | Break | | Break | | Break | | | |
| Time: | Session 20 | Animal Vaccinology Research Network Symposium | Session 21 | One Health & Public Health | Session 22 | Antimicrobial Alternatives | Session 23 | Immunology 3 | Session 24 | Epidemiology 2 | Session 25 | Disease Pathogenesis 2 | | |
| Monday | 10:30 am | Vaccine Network Featured Speaker Emerging technology and potential applications in animal health | Chakraborty S | A systematic review of impacts of cattle on human risk of exposure to vector-borne diseases | Loving C | Alternatives to antibiotics: neonatal immunomodulation to improve disease resistance in animals | Madrid DM | A single cell analysis of pulmonary leukocytes in pigs | Van de Walle G | Prevalence and pathology of equine parvovirus-hepatitis in racehorses from New York racetracks | Sun X | The role of bile metabolism disorder and inflammation on chicken necrotic enteritis | | |
| | 10:45 | | Michael Roof | Invasive plants as risk factors for tickborne disease in humans and livestock | Zeng X | Inhibition of protease RseP sensitizes polymyxin resistant Gram-negative bacteria | Tuggle C | Annotating cell transcriptomes in four immune tissues to establish a porcine single-cell immune atlas | Tomlinson J | Chronic hepatitis in horses with Equine Hepacivirus infection | Cao L | Oral administration of microplastic polystyrene increased incidence of woody breast myopathy in broilers | | |
| | 11:00 | | 95 | Johnson T | Ecology of avian Escherichia coli across niches and in response to vaccination | Zhang G | Epigenetic regulation of host defense peptide synthesis | Yoo D | Nonstructural protein 1-beta of PRRSV suppresses protein expression and promotes viral replication | Johnson W | A survey of gastrointestinal nematodes (GIN) in North American bison (Bison bison bison), a 2023 update | Alenezi T | Cloning and expressing microbial bile acid metabolizing enzymes to reduce Clostridium perfringens infection | |
| | 11:15 | | Vaccine Network | Butters A | Genetic relatedness and antimicrobial resistance carriage of Escherichia coli isolates in a One Health continuum | Cornejo S | Bovine Myeloid Antimicrobial Peptide-28 (BMAP-28) MIC for Mannheimia haemolytica and combination with florfenicol | Su CM | Immune outcome of IFN suppression negative and NF kappa B activation-negative PRRSV infection in vitro and in vivo | Chen SY | Survey about Anaplasma marginale on grazing beef operations in California | Jarosinski K | The role of the conserved alpha herpesvirus glycoprotein C in host-to-host transmission | |
| | 11:30 | | Roundtable Discussion | | | Vinayamohan P | Impact of sublethal biocide exposure on antibiotic resistance gene transfer in Salmonella | Franco C | Dietary zinc and BRD effects on intracellular zinc concentration and transporter expressions in bovine immune cells | de Souza Ferreira L | Apparent prevalence of hemotrophic mycoplasma infection in Michigan dairy calves | Jarosinski K | Mareks disease herpesvirus UL13, virion protein US10, and cellular LY6E in horizontal transmission | |
| | 11:45 | | 96 | | | | | Cohen N | Passive immunization against rhodococcal roal pneumonia using nebulized mRNA | Bickmeier N | Pregnancy success among eastern Kansas beef cows infected with Anaplasma marginale and/or Bovine Leukemia Virus | Westrich J | Longitudinal viral progression and immunological responses to Bluetongue virus in experimentally infected ruminants | |
| Lunch - 12:00 to 2:00 | Lunch Break (On Your Own) | | | | | | | | | | | | | |

| Monday, January 23 | Presenter Abstract # | Salon II (7th) Title | Presenter Abstract # | Chicago A/B (5th) Title | Presenter Abstract # | Chicago C (5th) Title | Presenter Abstract # | Chicago D (5th) Title | Presenter Abstract # | Chicago E (5th) Title | Presenter Abstract # | Chicago F/G (5th) Title | | | |
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| Time: | Session 26 | ACVM - Featured Speakers | Session 27 | Omics 1 | Session 28 | Modeling, Methods, & Study Design | Session 29 | Vaccinology 3 | Session 30 | Epidemiology 3 | Session 31 | Biosecurity & Infection Control 2 | | | |
| Monday | 2:00 PM | ACVM - Distinguished Microbiologist Development of “intelligently-designed” vaccines based on understanding of bacterial pathogenesis and host response | Young J | Microbial community structure of the gastrointestinal tract of beef cattle in relation to liver abscess occurrence | Machado V | Predictive models for metritis cure using farm collected data and hematological variables measured at diagnosis | Aarattuthodi S | Efficacy determination of an attenuated vaccine against channel catfish virus | Cummings K | Novel approaches to define Salmonella Dublin transmission dynamics and improve disease control in dairy cattle | Leon I | Evaluation of mitigation strategies to reduce bioaerosols in cattle feedyards | | | |
| | 2:15 | | Thomas Inzana | 129 | Fusobacteria or Bacteroidetes? Microbial communities in bovine liver abscesses arise from throughout the gut | Prim J | Application of behavior data to predict metritis self-cure and treatment failure in dairy cows | Lara H | Field trial experience with an intranasal nonpathogenic novel vaccine against PRRS | Barua S | Serological and molecular survey of SARS-CoV-2 in deer in Alabama, USA | Wang L | Preventing particle bounce while preserving virus viability to improve the characterization of virus-laden aerosols | | |
| | | | | 130 | Simultaneous long-read sequencing of porcine viral pathogens from field samples through TELSVirus workflow | Wang C | Connecting disjoint trial networks with a new trial: optimizing the estimation of a comparative effect in a NMA | Ferm J | A modified live vaccine protects cattle against Anaplasma marginale transmitted by Dermacentor variabilis ticks | Hite J | Effects of feed withdrawal prior to transport on pathogen transmission and virulence evolution. | Alvarez-Norambuena J | Evaluation of hand sanitation protocols on detection of swine influenza in hands of workers | | |
| | 2:30 | | 127 | ACVM Featured Speaker Inflammation and innate immune tolerance in the pathogenesis of bovine respiratory disease and Mycoplasma bovis pneumonia | 131 | Gaire T | Pooled piglet fecal samples accurately reflect individual-level fecal microbial composition | Tamm S | Surveillance of Mannheimia haemolytica through novel group-based sampling and molecular detection | Mahmoud A | Role of rel, regulator of the stringent response, in establishment of persistent infections by mycobacteria | Burgess B | Are we teaching too much? Epidemiology education in the veterinary curricula | Chakma S | Factors influencing the avian influenza A/H5 environmental contamination at live bird markets in Dhaka, Bangladesh |
| | 2:45 | | Jeff Caswell | | 132 | Wuest NB | Is sequencing of pooled nasal swab samples effective for characterizing DNA for microbial community structures? | Lima V | Self-destructing attenuated Salmonella strains: Innate immunity activators to improve food safety and animal health | Locke | Mark Gearhart Award: Prevalence and sources of Salmonella lymph node infection in special-fed veal calves | Smith R | Optimizing testing frequency for infectious disease control | | |
| | 3:00 | | | | 133 | Doster E | Updates to the MEGARes v3.0 database and its associated AMR++ bioinformatic pipeline for resistome analysis | Petro-Turnquist E | An adenoviral-vectored epigraph vaccine induces durable immune responses against H3 Influenza Virus in swine | 151 | Nemecek K | Animal contact outbreaks of Salmonella and Shiga Toxin-Producing Escherichia coli - United States, 2017 - 2021 | | | |
| 3:15 | 128 | 134 | CRWAD Business Meeting and Listening Session - Chicago Ballroom E (5th) | | | | | | | | | | | | |
| 3:30-4:15 PM | | | | | | | | | | | | | | | |
| Time: | Session 32 | ACVM - Featured Speakers | Session 33 | | Omics 2 | Session 34 | Antimicrobial Use 2 | Session 35 | Immunology 4 | Session 36 | Virology 2 | | | | |
| Monday | 4:15 PM | ACVM Featured Speaker Challenges on developing a vaccine for protection against Mycoplasma bovis respiratory disease in cattle | Slizovskiy I | Showering as a biosecurity intervention to disrupt work-related shifts in swine worker skin microbiomes | McClurg M | Does antimicrobial-free beef production reduce transmission of resistant bacteria to human consumers? | Hong S | Altered cytokine and gene expression in vitamin A deficient mice after RSV infection and vitamin A supplementation | Kim Y | Inhibition of protein glycosylation blocks PRRSV and swine influenza virus replication | | | | | |
| | 4:30 | | Jose Perez-Casal | 161 | Transcriptome analysis of beef cattle reveals influence of marketing on bovine respiratory disease risk | Murphy M | Ionophore use in food animal production and potential impacts on human and animal health: a scoping review | Chitko-McKown C | First description of LPS-treated, pen-housed feeder cattle as a model of bacterial infection | Cardenas M | Multiple transmissions of human influenza A virus in pigs leads to improved replication | | | | |
| | | | | 162 | Characterization of the respiratory microbiome and virome associated with Bovine Respiratory Disease Complex | Magiri R | Trends of human and veterinary antimicrobial consumption in Fiji from a one health perspective | Jacobson B | Impaired alveolar macrophage phagocytosis contributes to bacterial persistence in M. ovipneumoniae infected sheep | Zabiegala A | Entry of pseudoviruses carrying SARS-CoV and SARS-CoV-2 S protein into cells expressing human and animal ACE2 | | | | |
| | 4:45 | | 159 | Wynn E | Whole genome sequencing of Moraxella bovis strains reveals two genotypes with different genetic determinants | Singer R | On-farm monitoring of antimicrobial use and resistance in U.S. broiler production: 2020-2021 | Fries-Craft K | Performance and immunometabolic responses to assess dietary anti-IL-10 on enteric disease outcomes in chickens | Kincaid J | BVDV compromises fetal immune organ development leading to post-natal health consequences | | | | |
| | 5:00 | | Jodi McGill | 164 | Stable flies harbor a low complexity microbiota dominated by mastitis-associated bacteria | Touchard L | Multicolor flow cytometry panels for immunophenotyping pig leukocytes | Hemida M | MicroRNAs as genetic markers for bovine coronavirus (BCoV) infection | | | | | | |
| | 5:15 | | | 165 | Roozitalab A | Complete genome sequence of a novel Canine Distemper Virus strain, Isolated from a Fox in United States | Holmes C | Identification of granulysin in the mucosal immune response to Equine herpesvirus type 1 (EHV-1) infection | Yadav K | Expanding host range and cross species transmission potential of Rocaepevirus rattii | | | | | |
| 5:30 | 160 | 166 | Break | | | | | | | | | | | | |
| 5:45 | | | | | | | | | | | | | | | |
| 6:00-8:00 PM | Poster Session -- Salon III (7th) | | | | | | | | | | | | | | |

| Tuesday, January 24 | Presenter Abstract # | Salon II (7th) Title | Presenter Abstract # | Chicago A/B (5th) Title | Presenter Abstract # | Chicago C (5th) Title | Presenter Abstract # | Chicago D (5th) Title | Presenter Abstract # | Chicago E (5th) Title | Presenter Abstract # | Chicago F/G (5th) Title |
|---------------------|--|--|---|--|--|---|----------------------|---|--|---|--|---|
| Time: | Session 37 | AAVI - Featured Speakers | Session 38 | Preventive Medicine | | | Session 39 | Antimicrobial Use 3 | Session 40 | Epidemiology 4 | Session 41 | Disease Pathogenesis 3 |
| Tuesday | 8:30 AM | AAVI - Distinguished Immunologist Applied research to enhance resistance to respiratory disease in cattle | Rodriguez Z | Use of reticuloruminal temperature to predict clinical mastitis in dairy cows challenged with Streptococcus uberis | | | Gaonkar P | Dissemination of antibiotic resistance genes across the food chain of commercial antibiotic-free poultry farms | Ekakoro J | An investigation of the differential diagnoses of African swine fever in pigs slaughtered in central Uganda | Elder B | Host-pathogen coevolution in a changing environment: Pathogen exposure and host performance |
| | 8:45 | | Amelia Woolums | 187 | | | 193 | | 199 | | 205 | |
| | | | | Pietrantonio P | Towards novel acaricide development against cattle fever tick: GPCR chemical hits and neuropeptide physiology | | Young J | SNP profiling of poultry litter resistomes following in-feed oxytetracycline administration | Ekakoro J | Clinical and pathological presentation of African swine fever in pigs slaughtered in central Uganda | Filipov N | Rumen dynamics of volatile fatty acids and Epichloe coenophiala produced ergovaline in steers grazing tall fescue |
| | 9:00 | 185 | | De Assis Rocha I | Pharmacokinetics of Bumped Kinase Inhibitor-1708 in horses: a candidate for EPM treatment | | Pang J | Effect of enrofloxacin on cecal microbiota and metabolites of chickens challenged with Campylobacter jejuni | Neveau M | Analysis of IAV transmission in large U.S. swine production systems using active surveillance | McDaniel Z | Development of an experimental model for liver abscesses in calves using an acidotic diet and bacterial inoculation |
| | 9:15 | AAVI Featured Speaker | | Fry L | In vivo efficacy of tulathromycin and diclazuril against Theileria hayeyi in horses | | Portillo-Gonzalez R | Antimicrobial quantification on dairy farms before and after the implementation of farmworker stewardship training | Kerfua S | A review on the occurrence of foot-and-mouth disease virus serotypes in Uganda and Tanzania (2003 to 2015) | Strieder-Barboza C | Depot-specific adipose tissue transcriptional alterations in transition dairy cows with subclinical ketosis |
| | 9:30 | Rahul Nelli | 3D organotypic cell cultures – an alternative ex vivo infection model for animal research | Fries-Craft K | Dietary anti-IL-10 impacts on enteric disease outcomes in chickens without early Salmonella exposure | | Alam J | Quantifying antimicrobial use in peri urban dairy system of Pakistan | Wilson D | Neonatal calf diarrhea case definitions: a scoping review | Slate J | Investigating the role of IL-17A in lung repair following Bovine Respiratory Syncytial Virus infection |
| 9:45 | 186 | | | Johnson A | Evaluating turkey-derived lactic acid producing bacteria as potential probiotics for use in commercial turkeys | | | | | Kincade J | Global epigenomic changes observed postnatally elucidate lifelong defects following fetal BVDV infection | |
| 10:00 - 10:30 | Break | | Break | | Break | | Break | | Break | | Break | |
| Time: | Session 42 | AAVI - Featured Speakers | Session 43 | Bacteriology | | | Session 44 | Antimicrobial Use 4 | Session 45 | Epidemiology 5 | Session 46 | Zoonoses |
| Tuesday | 10:30 AM | AAVI Featured Speaker Strategies for preventing rhodococcal foal pneumonia | Inzana T | The role of Hfq and sRNAs on gene expression and virulence in Histophilus somni | | | Elsakhawy O | Antimicrobial genes in thermophilic bacillus paralicheniformis associated with mobile elements | Horton L | Outcomes affected by metaphylaxis from a clinical trial of feedlot calves at medium-risk for respiratory disease | Redding L | Inrequent intra-household transmission of Clostridioides difficile between pet owners and their pets |
| | 10:45 | | Noah Cohen | Gelgie A | Identification of virulence genes of Mycoplasma bovis by transposon mutation coupled with in vivo infection | | Crosby W | Metaphylaxis increases prevalence of multidrug resistant Mannheimia haemolytica while improving health in stockers | McAtee T | Comprehensive assessment of feedlot health interventions using outcomes research in a sustainability context | Benedict K | Investigating multistate Salmonella outbreaks linked to backyard poultry: Detection, data, and partners |
| | | | | Ott L | Egg components inhibit the transfer of antimicrobial resistance plasmids in vitro | | Bigelow R | Characterizing the influence of metaphylaxis for bovine respiratory disease on host transcriptome responses | Carlson J | Effect of genetic selection for reduced heart failure risk on feedlot performance and carcass characteristics | Prezioso T | Understanding close contact between humans and white-tailed deer in Illinois: a survey study |
| | 11:15 | AAVI Featured Speaker | | Vinayamohan P | Prevalence and characterization of Salmonella in mesenteric lymph nodes of bob veal calves | | Rahman K | Predictive modeling of MICs of cephalosporin antibiotics from beta-lactamase resistance genes in Enterobacteriaceae | Reif K | Investigation of chronic Anaplasma marginale infection and breeding soundness in beef bulls | Hall D | Hunters behavior change preferences based on risk of tuberculosis and brucellosis from wood bison in Canada |
| | 11:30 | Erica Spackman | Highly pathogenic avian influenza in the US and approaches to control | Burciaga S | Comparison of MDR Salmonella enterica serovar Heidelberg outbreak isolates linked to dairy beef calves | | De Abreu C | Evaluation of Mycoplasma hyopneumoniae antimicrobial resistance in US contemporary isolates | Goncalves J | Prevalence of methicillin-resistant & susceptible Staphylococci spp. in bulk tank milk from dairy farms in Michigan | Herring E | Emergence and mitigation of carbapenem-resistant Escherichia coli in a small animal veterinary teaching hospital |
| | 11:45 | 212 | | | Fu Y | Specific bacteria biotransform bile acids to influence Campylobacter jejuni in vitro growth | | De Abreu C | Molecular evaluation of Mycoplasma hyopneumoniae antimicrobial resistance in field specimens | Bourassi S | Multilevel modeling: Association between bovine leukosis proviral load and dairy production parameters | |
| 12:00 | Break | | Break | | Break | | Break | | Break | | Break | |
| 12:15 - 1:30 PM | Closing Comments and Award Presentations - Chicago D (5th) | | | | | | | | | | | |