

Presenter	Title	Format	Session Title	Room	Session Num.	Abstract Num.	Date	Time
Smith D	Systems Thinking in Human, Animal, and Environmental Health	Oral	Population Health Featured Speakers	Chicago D	1	1	Nov 3	8:00 AM
Peck D	Two diseases meet at the livestock-wildlife interface: Can we manage for both?	Oral	Population Health Featured Speakers	Chicago D	1	2	Nov 3	8:45 AM
Streaslin N	Repeatability of open reading frame 5 sequencing for PRRSV at different concentrations	Oral	Porcine Reproductive and Respiratory Syndrome	Chicago E	2	3	Nov 3	8:00 AM
Schroeder DC	Development of a bespoke PRRSV genomic toolkit	Oral	Porcine Reproductive and Respiratory Syndrome	Chicago E	2	4	Nov 3	8:15 AM
Lalonde C	Whole genome sequencing of PRRSV lead to a better classification of clinical cases.	Oral	Porcine Reproductive and Respiratory Syndrome	Chicago E	2	5	Nov 3	8:30 AM
Pasternak JA	Maternal and fetal thyroid hormone disruption following late gestation PRRSV2 challenge	Oral	Porcine Reproductive and Respiratory Syndrome	Chicago E	2	6	Nov 3	8:45 AM
Dunkelberger JR	Genomic regions associated with host response to infection with a highly pathogenic PRRSV strain	Oral	Porcine Reproductive and Respiratory Syndrome	Chicago E	2	7	Nov 3	9:00 AM
Young JE	Isolation and immortalization of PRRSV GP5 specific porcine B-cells	Oral	Porcine Reproductive and Respiratory Syndrome	Chicago E	2	8	Nov 3	9:15 AM
Sanglard L	Association between vaginal microbiome and antibody response to PRRS vaccination in commercial gilts	Oral	Host Genomics	Chicago C	3	9	Nov 3	8:00 AM
Hickmann FM	Host-genomic scan for total antibody response during a PRRSV outbreak in purebred sows	Oral	Host Genomics	Chicago C	3	10	Nov 3	8:15 AM
Cheng J	Genetic parameters of disease resilience traits in wean-to-finish pigs from a natural disease challenge model	Oral	Host Genomics	Chicago C	3	11	Nov 3	8:30 AM
Rhoads DD	Validation of a SNP panel for selection for ascites resistance in broilers	Oral	Host Genomics	Chicago C	3	12	Nov 3	8:45 AM
Bickhart DM	US/UK Collaborative Project: Reassembly of cattle immune gene clusters for quantitative analysis	Oral	Host Genomics	Chicago C	3	13	Nov 3	9:00 AM
	CANCELLED	Oral	Host Genomics	Chicago C	3	14	Nov 3	9:15 AM
Vasquez I	Comparative genomic analysis of Vibrio anguillarum isolated from infected Cyclopterus lumpus in	Oral	Aquaculture - 1	Chicago H	4	15	Nov 3	8:00 AM
Gnanagobal H	Role of riboflavin synthase duplication in Aeromonas salmonicida pathogenesis in Cyclopterus lumpus	Oral	Aquaculture - 1	Chicago H	4	16	Nov 3	8:15 AM
Rowley DC	Phaeobacter inhibens protects oyster larvae against bacterial infection via four disparate	Oral	Aquaculture - 1	Chicago H	4	17	Nov 3	8:30 AM
Loch TP	Identification of the risks of emerging flavobacteria to farmed salmonids towards improved	Oral	Aquaculture - 1	Chicago H	4	18	Nov 3	8:45 AM
Dang M	Susceptibility and immune response to Aeromonas salmonicida infection in Atlantic salmon farmed, wild and crosses	Oral	Aquaculture - 1	Chicago H	4	19	Nov 3	9:00 AM
Santander J	Aeromonas salmonicida infection and vaccination in lumpfish (Cyclopterus lumpus)	Oral	Aquaculture - 1	Chicago H	4	20	Nov 3	9:15 AM
Needleman A	Safety and efficacy of copper oxide wire particles against gastrointestinal nematodes in alpacas	Oral	Parasitology	Chicago A/B	5	21	Nov 3	8:00 AM
Wright MC	Clinical trial to test efficacy of COWP in lowering GIN egg numbers in adult alpacas	Oral	Parasitology	Chicago A/B	5	22	Nov 3	8:15 AM
Busch JD	Evaluating genetic variation at anti-tick vaccines to improve cattle fever tick eradication	Oral	Parasitology	Chicago A/B	5	23	Nov 3	8:30 AM
Karim S	Within the Tick Vector: Sialome switches to Sialome Shifts and Sialome	Oral	Parasitology	Chicago A/B	5	24	Nov 3	8:45 AM
Aroian R	Development of a novel class of anthelmintics that cure gastrointestinal nematode parasites	Oral	Parasitology	Chicago A/B	5	25	Nov 3	9:00 AM
Winata F	Relationships between white-tailed deer, Ixodes scapularis tick, and Lyme disease in Illinois	Oral	Parasitology	Chicago A/B	5	26	Nov 3	9:15 AM
Gladue DP	Deletion of XXX in African swine fever virus produced complete attenuation and protection against challenge	Oral	Vaccines and Vaccinology -Pigs 1	Chicago F/G	6	27	Nov 3	8:00 AM
Diel DG	A novel live attenuated vaccine protects against heterologous Senecavirus A challenge	Oral	Vaccines and Vaccinology -Pigs 1	Chicago F/G	6	28	Nov 3	8:15 AM
Amaral A	Pre-exposed pigs as a model for Chlamydia trachomatis vaccine	Oral	Vaccines and Vaccinology -Pigs 1	Chicago F/G	6	29	Nov 3	8:30 AM
Khan S	Protecting swine from the next pandemic: looking back and looking	Oral	Vaccines and Vaccinology -Pigs 1	Chicago F/G	6	30	Nov 3	8:45 AM
Yu J	A Baculovirus Recombinant PEDV Spike Vaccine Enhanced PEDV replication and Diarrhea in the Vaccinated Piglets	Oral	Vaccines and Vaccinology -Pigs 1	Chicago F/G	6	31	Nov 3	9:00 AM
Higgs S	Immunogenicity and safety of a recombinant Rift Valley fever virus MP12 vaccine containing a two-segmented genome	Oral	Vaccines and Vaccinology -Pigs 1	Chicago F/G	6	32	Nov 3	9:15 AM
McCue M	Working towards precision medicine in the horse	Oral	Population Health Featured Speakers	Chicago D	7	33	Nov 3	10:00 AM
Levent G	Population dynamics of Salmonella enterica after metaphylactic antibiotic use in cattle followed to slaughter	Oral	Population Health Featured Speakers	Chicago D	7	34	Nov 3	10:45 AM
Rodriguez-Zas SL	Study of pig behavior later in life associated with maternal immune	Oral	PRRS - Immunology and Vaccines	Chicago E	8	35	Nov 3	10:00 AM
Li Y	Generation of pig dendritic cells from Flt3 ligand-dependent bone marrow cultures and the infection by PRRSV1.	Oral	PRRS - Immunology and Vaccines	Chicago E	8	36	Nov 3	10:15 AM
Crisci E	Genomic characterization of PRRSV-1 infection in pulmonary innate immune cells	Oral	PRRS - Immunology and Vaccines	Chicago E	8	37	Nov 3	10:30 AM
Riccio S	Identification of host proteins that interact with non-structural proteins-1 α and -1 β of prrsv-1	Oral	PRRS - Immunology and Vaccines	Chicago E	8	38	Nov 3	10:45 AM
Chaudhari JM	Characterization of the swine immune responses to a synthetic live-attenuated PRRSV vaccine	Oral	PRRS - Immunology and Vaccines	Chicago E	8	39	Nov 3	11:00 AM
Jeong C	Evaluation of live attenuated chimeric PRRSV vaccine against Korean type 2 field strains in a reproductive model	Oral	PRRS - Immunology and Vaccines	Chicago E	8	40	Nov 3	11:15 AM

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Henao-Diaz A	Detection of PRRSV-specific antibody in swine fecal samples	Oral	Diagnostic Testing	Chicago C	9	41	Nov 3	10:00 AM
Henao-Diaz A	Commercial kit vs standard overnight protocol. What works better for PRRSV OF ELISA testing?	Oral	Diagnostic Testing	Chicago C	9	42	Nov 3	10:15 AM
Gimenez-Lirola L	Influence of technician on PRRSV OF ELISA test results	Oral	Diagnostic Testing	Chicago C	9	43	Nov 3	10:30 AM
Chung S	A fully automated sample-to-answer POCKIT Central PCR system for detecting African Swine Fever virus in Vietnam	Oral	Diagnostic Testing	Chicago C	9	44	Nov 3	10:45 AM
Cheng T	Detection of pseudorabies virus antibody in serum and oral fluid specimens using a whole virus indirect IgG ELISA.	Oral	Diagnostic Testing	Chicago C	9	45	Nov 3	11:00 AM
Jirnantasak T	Immunohistochemical characterization and molecular diagnosis of swine melioidosis	Oral	Diagnostic Testing	Chicago C	9	46	Nov 3	11:15 AM
Purcell MK	Specialist and generalist viruses in Pacific salmon of the Northwest	Oral	Aquaculture - 2	Chicago H	10	47	Nov 3	10:00 AM
Loch TP	Flavobacterial diversity and its effect on disease in aquaculture	Oral	Aquaculture - 2	Chicago H	10	48	Nov 3	10:15 AM
Richardson BM	Modeling atypical Aeromonas hydrophila (aAh) dynamics in catfish aquaculture ponds of the southeastern United States	Oral	Aquaculture - 2	Chicago H	10	49	Nov 3	10:30 AM
Sunyer O	Induction of IgM responses occurs in newly identified semi-organized lymphoid tissue of rainbow trout spleen	Oral	Aquaculture - 2	Chicago H	10	50	Nov 3	10:45 AM
Vasquez I	Infection and vaccination of sablefish (Anoplopoma fimbria) against atypical Aeromonas salmonicida	Oral	Aquaculture - 2	Chicago H	10	51	Nov 3	11:00 AM
Chukwu-Osazuwa J	Reverse vaccinology of Piscirickettsia salmonis, Aeromonas salmonicida, Yersinia ruckeri and Moritella viscosa	Oral	Aquaculture - 2	Chicago H	10	52	Nov 3	11:15 AM
Ghorbani A	Viral subpopulation-based selection reveals live attenuated influenza vaccines that induce robust immune responses	Oral	Vaccines & Vaccinology - Chickens	Chicago A/B	11	53	Nov 3	10:00 AM
Verhoeven D	Investigation of a universal influenza vaccine in poultry using mRNA	Oral	Vaccines & Vaccinology - Chickens	Chicago A/B	11	54	Nov 3	10:15 AM
Kapczynski DR	Development of a novel modified live avian influenza virus vaccine based on disruption of M2/M42 gene expression	Oral	Vaccines & Vaccinology - Chickens	Chicago A/B	11	55	Nov 3	10:30 AM
Chandrasekar S	Development of a potent MVA vectored mosaic vaccine against avian coronavirus	Oral	Vaccines & Vaccinology - Chickens	Chicago A/B	11	56	Nov 3	10:45 AM
Toro H	Suboptimal immunity in newly hatched chickens	Oral	Vaccines & Vaccinology - Chickens	Chicago A/B	11	57	Nov 3	11:00 AM
Dunn J	The role of vaccination on transmission of Marek's disease virus in poultry	Oral	Vaccines & Vaccinology - Chickens	Chicago A/B	11	58	Nov 3	11:15 AM
Sylte MJ	Host response in the cecum and cecal tonsil of turkey poults colonized by different Campylobacter jejuni isolates	Oral	Mucosal Immunology	Chicago F/G	12	59	Nov 3	10:00 AM
Wiarda JE	Single-cell RNA sequencing identifies cell phenotypes and functions in porcine ileum	Oral	Mucosal Immunology	Chicago F/G	12	60	Nov 3	10:15 AM
Deluco B	Examining the permeability of the piglet gut at birth and weaning and its impact on immune status	Oral	Mucosal Immunology	Chicago F/G	12	61	Nov 3	10:30 AM
Kaeser T	The pig – A novel translational animal model for eosinophilic esophagitis	Oral	Mucosal Immunology	Chicago F/G	12	62	Nov 3	10:45 AM
Renu S	Chitosan-Salmonella nanovaccine enhances TLRs, th1 and th2 cytokines mRNA expression in layer chicken immune cells	Oral	Mucosal Immunology	Chicago F/G	12	63	Nov 3	11:00 AM
Hall JW	Mucosal immunization with Biotech Vac-coli protects pigs from ETEC and induces secretory IgA in colostrum	Oral	Mucosal Immunology	Chicago F/G	12	64	Nov 3	11:15 AM
O'Connor A	Causal inference, reproducible research and research synthesis in veterinary science.	Oral	CRWAD Centennial Speaker	Chicago D	13	65	Nov 3	2:00 PM
Benfield D	Viral diseases of swine: Lessons from past, present and future	Oral	CRWAD Centennial Speaker	Chicago D	13	66	Nov 3	2:45 PM
Czuprynski C	Veterinary immunology then and now: 40th anniversary of the American Association for Veterinary Immunologists	Oral	CRWAD Centennial Speaker	Chicago D	14	67	Nov 3	4:00 PM
Kawaoka Y	Working with deadly viruses: battling Ebola and influenza	Oral	CRWAD Council Keynote	Chicago D	14	68	Nov 3	4:45 PM
Ellis R	The early years of CRWAD	Oral	Centennial Celebration Dedication	Chicago D		69	Nov 3	7:00 PM
Reid SW	Science with impact: Rare or well done?	Oral	Centennial Banquet Featured Speaker	Chicago D		70	Nov 3	7:00 PM
Nagaraja TG	Bovine gut microbes: Implications beyond the gut	Oral	ACVM Distinguished Immunologist	Chicago D	15	71	Nov 4	8:30 AM
Moxley R	Culture-based detection of non-O157 enterohemorrhagic Escherichia coli: Can further improvements be made?	Oral	ACVM - Microbiology & Disease Pathogenesis Featured Speakers	Chicago D	15	72	Nov 4	9:15 AM
Gillespie A	Immune synapse formation of WC1+γδ T cells in response to Leptospira	Oral	Immunology - 1	Chicago E	16	73	Nov 4	8:30 AM
DeKuiper JL	Mycobacterium avium sub. paratuberculosis drives an innate Th17 response with or without antigen- presenting cells	Oral	Immunology - 1	Chicago E	16	74	Nov 4	8:45 AM
Walker CC	Bioactivity of the endocannabinoid arachidonylethanolamide in cultured bovine endothelial cells	Oral	Immunology - 1	Chicago E	16	75	Nov 4	9:00 AM
Angelos J	Efficacy of an intranasal vaccine containing Moraxella bovis and Moraxella bovoculi antigens against bovine pinkeye	Oral	Immunology - 1	Chicago E	16	76	Nov 4	9:15 AM
Sang Y	Cross-species analysis reveals molecular and functional novelty of unconventional interferon subtypes in livestock	Oral	Immunology - 1	Chicago E	16	77	Nov 4	9:30 AM
Moeser A	Biological Sex and Early Weaning Shape Gut Immune Development in the	Oral	Immunology - 1	Chicago E	16	78	Nov 4	9:45 AM
Gaire T	Evaluation of foot and mouth disease vaccination strategies for the U.S. beef feedlots using mathematical modeling	Oral	Disease Modeling	Chicago C	17	79	Nov 4	8:30 AM
Ceres KM	Characterizing infection trajectories of slowly progressing infectious disease using hidden Markov models	Oral	Disease Modeling	Chicago C	17	80	Nov 4	8:45 AM
Seger HL	Quantification of fenceline contacts between pens of feedlot cattle and implications for disease transmission	Oral	Disease Modeling	Chicago C	17	81	Nov 4	9:00 AM
Zaheer M	Simulation model for infectious animal diseases in endemic regions (SMIAD-ER): a demonstration using a case of FMD	Oral	Disease Modeling	Chicago C	17	82	Nov 4	9:15 AM
Mori J	Spray Irrigation with Animal Wastewater: Modeling Infection Risks and Ammonia Toxicity	Oral	Disease Modeling	Chicago C	17	83	Nov 4	9:30 AM

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O'Hara KC	Using dynamic time warping algorithms and spatiotemporal analyses of swine condemnations for syndromic surveillance	Oral	Disease Modeling	Chicago C	17	84	Nov 4	9:45 AM
Kuhn MJ	In vitro evaluation of vitamin E analogs as ancillary antioxidants in dairy	Oral	Nutrition	Chicago H	18	85	Nov 4	8:30 AM
Strickland JM	Serum vitamin concentrations as biomarkers of disease in dairy cows	Oral	Nutrition	Chicago H	18	86	Nov 4	8:45 AM
VanLeeuwen JA	Effects from Calliandra and Sesbania supplementation (leguminous shrubs) on milk production in dairy cattle	Oral	Nutrition	Chicago H	18	87	Nov 4	9:00 AM
Abdelgayed SS	Impact of Safflower Petals and Moringa Leaves Extracts in Experimental Hyper and Hypothyroidism in Rats	Oral	Nutrition	Chicago H	18	88	Nov 4	9:15 AM
Bansal M	Dietary deoxycholic acid reduces necrotic enteritis and modifies bile acid composition	Oral	Nutrition	Chicago H	18	89	Nov 4	9:30 AM
Mavangira V	Oxygenated lipid mediators are altered during subclinical hypocalcemia of dairy cows	Oral	Nutrition	Chicago H	18	90	Nov 4	9:45 AM
Ogunrinu OJ	Can lower-order β -lactam use in livestock over-select for higher-order β -lactamases of consequence to human health?	Oral	Antimicrobial Resistance - Cattle	Chicago A/B	19	91	Nov 4	8:30 AM
Goulart D	Effect of danofloxacin treatment on the development of fluoroquinolone resistance in <i>Campylobacter jejuni</i> in cattle	Oral	Antimicrobial Resistance - Cattle	Chicago A/B	19	92	Nov 4	8:45 AM
Holbert A	The effect of tylosin and DFM supplementation on Enterococcus and antibiotic resistance in the cattle feedyard	Oral	Antimicrobial Resistance - Cattle	Chicago A/B	19	93	Nov 4	9:00 AM
Murray SA	Effects of macrolides and alternatives on Enterococcus faecium diversity and resistance in U.S. feeder cattle	Oral	Antimicrobial Resistance - Cattle	Chicago A/B	19	94	Nov 4	9:15 AM
Pereira R	Effect of metaphylactic treatment of calves on antimicrobial resistance in fecal E. coli	Oral	Antimicrobial Resistance - Cattle	Chicago A/B	19	95	Nov 4	9:30 AM
Habing G	Guiding antimicrobial therapy: prevalence of bacteremia in dairy calves with diarrhea	Oral	Antimicrobial Resistance - Cattle	Chicago A/B	19	96	Nov 4	9:45 AM
Crist SD	The effects of flooding on beef cattle: a scoping review	Oral	Epidemiology - 1	Chicago F/G	20	97	Nov 4	8:30 AM
Thompson AC	Measures of transfer of passive maternal immunity and the occurrence of pneumonia in pre-weaned beef calves	Oral	Epidemiology - 1	Chicago F/G	20	98	Nov 4	8:45 AM
Kellogg C	Impact of Bovine Leukemia Virus on lymphocyte counts and ELISA status across a lactation cycle in dairy cattle	Oral	Epidemiology - 1	Chicago F/G	20	99	Nov 4	9:00 AM
Zeynalova SK	Biosurveillance of Schmallenberg disease in Azerbaijan in 2012-2017	Oral	Epidemiology - 1	Chicago F/G	20	100	Nov 4	9:15 AM
Patterson L	Spatial overlap of feral & outdoor-raised pigs: potential disease transmission in the wildlife-livestock interface	Oral	Epidemiology - 1	Chicago F/G	20	101	Nov 4	9:30 AM
Goehring L	Clinical evidence of breed predilection for Equid Herpesvirus-1 associated myeloencephalopathy (EHM)	Oral	Epidemiology - 1	Chicago F/G	20	102	Nov 4	9:45 AM
Vincent A	Ten years after the 2009 H1N1 pandemic – what have we learned about the swine-human interface of influenza?	Oral	ACVM - Microbiology & Disease Pathogenesis Featured Speakers	Chicago D	21	103	Nov 4	10:30 AM
Swiderski CE	Protein networks mediating airway hyper-responsiveness in pasture-associated severe equine asthma	Oral	Immunology - 2	Chicago E	22	104	Nov 4	10:30 AM
Larson EM	Functional characterization and phenotyping of IgE-binding monocytes in equine seasonal Culicoides hypersensitivity	Oral	Immunology - 2	Chicago E	22	105	Nov 4	10:45 AM
Raza F	Basophil of horses with Culicoides hypersensitivity produce IL-4 in response to allergens	Oral	Immunology - 2	Chicago E	22	106	Nov 4	11:00 AM
Van de Walle G	Defining the immune cell atlas in equine peripheral blood by single cell RNA sequencing	Oral	Immunology - 2	Chicago E	22	107	Nov 4	11:15 AM
Le Page L	Genomic organization and expression of the swine WC1 multigenic array of hybrid co-receptor/PRR molecules	Oral	Immunology - 2	Chicago E	22	108	Nov 4	11:30 AM
Yirshaw AW	Characterization of goat $\gamma\delta$ T cells and responses of WC1+ $\gamma\delta$ T cells to pathogens	Oral	Immunology - 2	Chicago E	22	109	Nov 4	11:45 AM
Cazer CL	Characterization of multidrug resistance patterns in canine Staphylococcus pseudintermedius with machine learning	Oral	Companion Animal Disease & Epidemiology	Chicago C	23	110	Nov 4	10:30 AM
Oguttu JW	Antimicrobial resistance among Enterococcus isolates from dogs presented at a teaching hospital, South Africa	Oral	Companion Animal Disease & Epidemiology	Chicago C	23	111	Nov 4	10:45 AM
Huber L	Prevalence and genetic variability of resistant Rhodococcus equi in horse-breeding farms in Kentucky, USA	Oral	Companion Animal Disease & Epidemiology	Chicago C	23	112	Nov 4	11:00 AM
Oosthuizen J	Risk factors and occurrence of Brucella canis within selected provinces of South Africa.	Oral	Companion Animal Disease & Epidemiology	Chicago C	23	113	Nov 4	11:15 AM
Cain CJ	Phenotypic factors affecting shelter dog adoption in five states	Oral	Companion Animal Disease & Epidemiology	Chicago C	23	114	Nov 4	11:30 AM
Abouelkhair MA	Results of a clinical trial using a vaccine containing key antigens from Staphylococcus pseudintermedius in dogs	Oral	Companion Animal Disease & Epidemiology	Chicago C	23	115	Nov 4	11:45 AM
DeLong TN	Enhancing a Sustainable Dairy Industry by Controlling Bovine Leukemia	Oral	Biosecurity and Infection Control	Chicago H	24	116	Nov 4	10:30 AM
Pantaleon L	Why we need to lead with biosecurity	Oral	Biosecurity and Infection Control	Chicago H	24	117	Nov 4	10:45 AM
Burgess BA	Efficacy of disinfectant wipes for reducing bacterial contamination on stethoscopes in a veterinary teaching hospital	Oral	Biosecurity and Infection Control	Chicago H	24	118	Nov 4	11:00 AM
Burgess BA	Characterization of biosecurity and infection control practices among public display aquaria	Oral	Biosecurity and Infection Control	Chicago H	24	119	Nov 4	11:15 AM
Yoo HS	Identification of pathogenic mechanisms in initial stage of Mycobacterium avium subsp paratuberculosis infection	Oral	Biosecurity and Infection Control	Chicago H	24	120	Nov 4	11:30 AM
Hanley KM	Development of a biosecurity information session for service providers in the swine industry	Oral	Biosecurity and Infection Control	Chicago H	24	121	Nov 4	11:45 AM
Chowdhury SI	BHV-1 Vectored Subunit BVDV-2 Vaccine Induces Protective Cellular Immune Response Against BVDV 1 and 2 in Calves	Oral	Immunology and Vaccines	Chicago A/B	25	122	Nov 4	10:30 AM

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Sangewar N	Improved vaccine platforms for safe and effective control of Bovine Viral Diarrhea Virus	Oral	Immunology and Vaccines	Chicago A/B	25	123	Nov 4	10:45 AM
Talaat AM	Functional genomics of Johnes's Disease: Cattle Immunity to Different Vaccines against Johnes's	Oral	Immunology and Vaccines	Chicago A/B	25	124	Nov 4	11:00 AM
Wang H	Enterobactin-specific antibodies: a novel tug-of-war weapon against Gram-negative pathogens	Oral	Immunology and Vaccines	Chicago A/B	25	125	Nov 4	11:15 AM
Ziegler AL	Suckling piglets have a rescuable defect in intestinal barrier repair associated with an immature enteric glial network	Oral	Immunology and Vaccines	Chicago A/B	25	126	Nov 4	11:30 AM
Fu Y	DCA-modulated anaerobes attenuate chicken transmission-exacerbated campylobacteriosis in IL10-/- mice	Oral	Immunology and Vaccines	Chicago A/B	25	127	Nov 4	11:45 AM
Abdi RD	Multidrug-resistant coagulase-negative staphylococci associated with dairy farms, abattoirs and food handlers	Oral	AMR Surveillance	Chicago F/G	26	128	Nov 4	10:30 AM
Wass B	Analysis of broiler litter resistomes during exposure to in-feed antimicrobials over successive flock cycles	Oral	AMR Surveillance	Chicago F/G	26	129	Nov 4	10:45 AM
MacKinnon MC	An evaluation of incidence rates and antimicrobial resistance in human Escherichia coli bloodstream infections	Oral	AMR Surveillance	Chicago F/G	26	130	Nov 4	11:00 AM
Singer RS	Estimating on-farm antimicrobial usage in U.S. broiler chicken and turkey production	Oral	AMR Surveillance	Chicago F/G	26	131	Nov 4	11:15 AM
Atlaw NA	Prevalence and antimicrobial susceptibility of Salmonella and E. coli in sheep and environment in North Carolina	Oral	AMR Surveillance	Chicago F/G	26	132	Nov 4	11:30 AM
Jha S	Creating an integrated framework for the analysis of AMR data to establish a one health surveillance system	Oral	AMR Surveillance	Chicago F/G	26	133	Nov 4	11:45 AM
Wagner B	Host immunity against equine herpesvirus type 1	Oral	AAVI Distinguished Immunologist	Chicago D	27	134	Nov 4	2:00 PM
Mason N	Testing next-generation genetically engineered T cells in dogs with cancer and autoimmunity	Oral	AAVI - Immunology Featured Speakers	Chicago D	27	135	Nov 4	3:00 PM
Coetzee J	Association between antimicrobial class for retreatment of BRD and frequency of resistant BRD pathogen isolation	Oral	Antimicrobial Resistance and BRD in Cattle	Chicago E	28	136	Nov 4	2:00 PM
Harris B	Antimicrobial resistance in Mannheimia haemolytica isolates from the National Animal Health Laboratory Network.	Oral	Antimicrobial Resistance and BRD in Cattle	Chicago E	28	137	Nov 4	2:15 PM
Jumper WI	Survey of cattle health and production record-keeping methods by cow-calf producers in Mississippi	Oral	Antimicrobial Resistance and BRD in Cattle	Chicago E	28	138	Nov 4	2:30 PM
Doster E	Antimicrobial drug use in beef feedlots; effects on the microbiome and resistome dynamics in individual cattle	Oral	Antimicrobial Resistance and BRD in Cattle	Chicago E	28	139	Nov 4	2:45 PM
McMurray TB	Modeling the effects of antimicrobial use policies on profitability of post-weaning beef production systems	Oral	Antimicrobial Resistance and BRD in Cattle	Chicago E	28	140	Nov 4	3:00 PM
Carter HF	Assessing diversity of antimicrobial resistance phenotypes and genotypes in bovine Mannheimia haemolytica isolates	Oral	Antimicrobial Resistance and BRD in Cattle	Chicago E	28	141	Nov 4	3:15 PM
Rowe SM	Selective Dry Cow Therapy on U.S. Dairy Farms: Impact on Udder Health and Productivity	Oral	Mastitis	Chicago C	29	142	Nov 4	2:00 PM
Williams TL	Intramammary calcitriol treatment of mastitis alters indicators of redox activity and percentage of neutrophils.	Oral	Mastitis	Chicago C	29	143	Nov 4	2:15 PM
Zhao F	Intramammary endotoxin challenge elicits time-dependent local and systemic effects on lactating bovine mammary glands.	Oral	Mastitis	Chicago C	29	144	Nov 4	2:30 PM
Rowe SM	Randomized controlled trial evaluating the efficacy of two commercial internal teat sealants in dairy cows	Oral	Mastitis	Chicago C	29	145	Nov 4	2:45 PM
Lippolis J	What 50 years of breeding has done to the ability of Holsteins to fight mastitis?	Oral	Mastitis	Chicago C	29	146	Nov 4	3:00 PM
Giordano JO	Improving dairy cow health monitoring and management using automated sensors	Oral	Mastitis	Chicago C	29	147	Nov 4	3:15 PM
Tabashsum Z	Antimicrobial effect of individual phenolic compounds against	Oral	Infectious Disease	Chicago H	30	148	Nov 4	2:00 PM
Van de Walle G	The antimicrobial properties of mesenchymal stromal cells as a biological alternative to antibiotics	Oral	Infectious Disease	Chicago H	30	149	Nov 4	2:15 PM
Shen Z	Capsular serotypes and antimicrobial susceptibility of Streptococcus suis isolated from healthy pigs in China	Oral	Infectious Disease	Chicago H	30	150	Nov 4	2:30 PM
Hutchinson H	Interrelated measures of bovine leukemia virus disease infection and disease progression	Oral	Infectious Disease	Chicago H	30	151	Nov 4	2:45 PM
Zhang B	Prevalence and antimicrobial susceptibilities of bacterial pathogens in Chinese pig farms from 2013 to 2017	Oral	Infectious Disease	Chicago H	30	152	Nov 4	3:00 PM
Sporer KR	BLV Super-shedders: Insights into a longitudinal field trial	Oral	Infectious Disease	Chicago H	30	153	Nov 4	3:15 PM
Powell JD	Host responses at the molecular level to vaccine associated enhanced respiratory disease in swine	Oral	Influenza in Pigs	Chicago A/B	31	154	Nov 4	2:00 PM
Gu W	Prophylactically activating iNKT cells in swine does not alter the course of an influenza infection.	Oral	Influenza in Pigs	Chicago A/B	31	155	Nov 4	2:15 PM
Madrid D	Oseltamivir for influenza infection in pigs	Oral	Influenza in Pigs	Chicago A/B	31	156	Nov 4	2:30 PM
Gagnon C	Genetic diversity preliminary results of swine influenza virus in Quebec, Canada, in 2018	Oral	Influenza in Pigs	Chicago A/B	31	157	Nov 4	2:45 PM
Jang Y	Genetic analysis and pathogenicity in mice and pigs of H1N2 influenza viruses isolated from Korean pigs in 2018	Oral	Influenza in Pigs	Chicago A/B	31	158	Nov 4	3:00 PM
Torremorell M	Influenza transmission during the pre-weaning period: are nurse sows a risk for influenza transmission in piglets?	Oral	Influenza in Pigs	Chicago A/B	31	159	Nov 4	3:15 PM
Levent G	Exploring evolutionary shifts from Salmonella Mbandaka to Lubbock serotypes in U.S. High Plains feedlot cattle.	Oral	Salmonella - 1	Chicago F/G	32	160	Nov 4	2:00 PM
Locke SR	Prevalence of Non-typhoidal Salmonella in veal calf production	Oral	Salmonella - 1	Chicago F/G	32	161	Nov 4	2:15 PM

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Eifenbein JR	DMSO reduction influences Salmonella Typhimurium intestinal colonization and environmental persistence	Oral	Salmonella - 1	Chicago F/G	32	162	Nov 4	2:30 PM
Habing GG	Genomic characterization of Salmonella Dublin recovered from cattle in	Oral	Salmonella - 1	Chicago F/G	32	163	Nov 4	2:45 PM
Konrad Burin R	A novel anti-nutritional strategy that inhibits the newly identified TYR and DGA metabolic pathways in Salmonella	Oral	Salmonella - 1	Chicago F/G	32	164	Nov 4	3:00 PM
Gupta A	Immunomodulatory effect of butyrate on chicken macrophage cell line in	Oral	Salmonella - 1	Chicago F/G	32	165	Nov 4	3:15 PM
Beck B	Bacterial infections of catfish: mechanisms of pathogen virulence, host susceptibility, and novel control measures	Oral	AAVI - Immunology Featured Speakers	Chicago D	33	166	Nov 4	4:15 PM
Noronha L	Preliminary evaluation of a recombinant subunit vaccine for the protection of white-tailed deer (<i>Odocoileus virginianus</i>) from epizootic	Oral	AAVI - Immunology Featured Speakers	Chicago D	33	167	Nov 4	4:45 PM
Henry K	Genetics and immunological functions of camelid heavy chain antibodies	Oral	AAVI - Immunology Featured Speakers	Chicago D	33	168	Nov 4	5:15 PM
Gaire T	Distribution of AMR genes and bacterial taxonomic composition in contents and mucosa across the GI tract of piglets	Oral	Mobile Genetic Elements and AMR	Chicago E	34	169	Nov 4	4:15 PM
Slizovskiy IB	Big data survey of Integrative Conjugative Elements and associated cargo genes across hundreds of bacterial genera	Oral	Mobile Genetic Elements and AMR	Chicago E	34	170	Nov 4	4:30 PM
Young JG	Antimicrobial resistance genes associated with mobile genetic elements in metagenomic sequencing data	Oral	Mobile Genetic Elements and AMR	Chicago E	34	171	Nov 4	4:45 PM
Looft T	Salmonella sentinel for antibiotic resistant genes acquired by horizontal transfer under antimicrobial selective pressure.	Oral	Mobile Genetic Elements and AMR	Chicago E	34	172	Nov 4	5:00 PM
Enekave E	Plasmids and genetic resistance determinants to quinolones and cephalosporins in Salmonella in	Oral	Mobile Genetic Elements and AMR	Chicago E	34	173	Nov 4	5:15 PM
Fakhr MK	Comparative genomics of plasmid-bearing Staphylococcus aureus strains isolated from various retail meats	Oral	Mobile Genetic Elements and AMR	Chicago E	34	174	Nov 4	5:30 PM
Lasrado N	Identification of immunogenic epitopes that permit detection of antigen-specific T cell responses in CVB infections	Oral	Virology - 1	Chicago C	35	175	Nov 4	4:15 PM
Lin S	The capsid protein of hepatitis E virus inhibits interferon induction via its N-terminal arginine-rich motif	Oral	Virology - 1	Chicago C	35	176	Nov 4	4:30 PM
Kumar D	Metagenomic next-generation sequencing reveal presence of a novel ungulate Bocaparvovirus in alpaca	Oral	Virology - 1	Chicago C	35	177	Nov 4	4:45 PM
Lorusso A	The envelope protein of Usutu virus attenuates WNV virulence in mice	Oral	Virology - 1	Chicago C	35	178	Nov 4	5:00 PM
Das A	Development of multiplex qPCR assays for simultaneous detection of parapox, capripox and foot and mouth disease	Oral	Virology - 1	Chicago C	35	179	Nov 4	5:15 PM
Bird IM	Novel Insights into the Susceptibility of Chicken to Experimental Zika Virus Infection	Oral	Virology - 1	Chicago C	35	180	Nov 4	5:30 PM
Anderson TK	Evolutionary diversification of clade 1A.3.3.3 H1 swine influenza A viruses and zoonotic risk in the United States	Oral	Sequence of Infectious Agents	Chicago H	36	181	Nov 4	4:15 PM
Mubarak FA	PhyloVirus: Inferring virus reassortment and recombination, and a visualization tool for phylogenetic networks	Oral	Sequence of Infectious Agents	Chicago H	36	182	Nov 4	4:30 PM
Wang L	Isolation and characterization of novel reassortant mammalian orthoreovirus from pigs with neurological signs	Oral	Sequence of Infectious Agents	Chicago H	36	183	Nov 4	4:45 PM
Stanton JB	Metagenomic MinION-based sequencing of cultured RNA viruses	Oral	Sequence of Infectious Agents	Chicago H	36	184	Nov 4	5:00 PM
Rhoads DD	Identification of genes for macrophage-survival in Staphylococcus agnetis, an agent of lameness in broilers	Oral	Sequence of Infectious Agents	Chicago H	36	185	Nov 4	5:15 PM
Wang Y	Reproducible R functions to analyze WGS data from animals infected with multiple strains of Johne's disease	Oral	Sequence of Infectious Agents	Chicago H	36	186	Nov 4	5:30 PM
Zhang H	Identification of host-adaptation genes in extraintestinal pathogenic escherichia coli during infection in different hosts	Oral	Pathogenic <i>E. coli</i>	Chicago A/B	37	187	Nov 4	4:15 PM
Stanton E	Evolutionary lineages of Escherichia coli O157:H7 are distinguished by prophage content and Stx2 production	Oral	Pathogenic <i>E. coli</i>	Chicago A/B	37	188	Nov 4	4:30 PM
Valencia DM	Prevalence of non-O157 STEC in pre- and peri-harvest cattle worldwide: A systematic review and meta-analysis	Oral	Pathogenic <i>E. coli</i>	Chicago A/B	37	189	Nov 4	4:45 PM
Enem SI	Prevalence of Shigatoxin Producing Escherichia coli O157 in Cattle, Chicken and Animal Products in Abuja, Nigeria.	Oral	Pathogenic <i>E. coli</i>	Chicago A/B	37	190	Nov 4	5:00 PM
Amachawadi RG	Fecal prevalence of the top-7 Shiga Toxin-Producing Escherichia coli in finisher pigs	Oral	Pathogenic <i>E. coli</i>	Chicago A/B	37	191	Nov 4	5:15 PM
Lu T	GM1-binding fimbriae-toxoid MEFA of ETEC for a broadly protective vaccine against porcine post-weaning diarrhea (PWD)	Oral	Pathogenic <i>E. coli</i>	Chicago A/B	37	192	Nov 4	5:30 PM
Mora-Díaz J	First isolation and in vivo characterization of porcine circovirus 3	Oral	Swine Diseases	Chicago F/G	38	193	Nov 4	4:15 PM
Ganwu L	Genetic characterization of Streptococcus equi subsp. zooepidemicus associated with high mortality in swine in US	Oral	Swine Diseases	Chicago F/G	38	194	Nov 4	4:30 PM
Estrada AA	Serotyping and Multilocus Sequence Typing as approaches for predicting pathotype of Streptococcus suis in the U.S	Oral	Swine Diseases	Chicago F/G	38	195	Nov 4	4:45 PM
Estrada AA	Virulence-associated gene profiling of Streptococcus suis in the United	Oral	Swine Diseases	Chicago F/G	38	196	Nov 4	5:00 PM
Milanez Preis G	Role of transportation stress on early pathogenesis of Senecavirus A in pigs	Oral	Swine Diseases	Chicago F/G	38	197	Nov 4	5:15 PM
Kim H	Characterization of homologous protective humoral immunity against Seneca Valley virus	Oral	Swine Diseases	Chicago F/G	38	198	Nov 4	5:30 PM
Baumler A	Microbiota-nourishing immunity against Salmonella	Oral	Microbiome - 1	Chicago D	39	199	Nov 5	8:30 AM
Abundo M	Invasive and non-invasive methods of sampling the chicken respiratory microbiota	Oral	Microbiome - 1	Chicago D	39	200	Nov 5	8:45 AM
Sarwar F	Changes in fecal microbiota of cattle fed the beta-adrenergic agonist ractopamine hydrochloride and elevated zinc	Oral	Microbiome - 1	Chicago D	39	201	Nov 5	9:00 AM

Presenter	Title	Format	Session Title	Room	Session Num.	Abstract Num.	Date	Time
Valeris-Chacin R	Performance of bacterial differential abundance tests on broiler cecal microbiome data	Oral	Microbiome - 1	Chicago D	39	202	Nov 5	9:15 AM
Almansour AM	Modulating microbiota and metabolome to reduce <i>Campylobacter jejuni</i> colonization in chickens	Oral	Microbiome - 1	Chicago D	39	203	Nov 5	9:30 AM
Taylor K	Progress toward integrating the dynamics of gut and respiratory microbiota into poultry health	Oral	Microbiome - 1	Chicago D	39	204	Nov 5	9:45 AM
Joshi LR	Orf virus based vectored vaccine induces protective immunity to swine influenza virus	Oral	Vaccines and Vaccinology - Pigs 2	Chicago E	40	205	Nov 5	8:30 AM
Li C	Exploring heterologous prime-boost vaccination approaches to enhance influenza control.	Oral	Vaccines and Vaccinology - Pigs 2	Chicago E	40	206	Nov 5	8:45 AM
Tan S	PEDV T cell epitope persistence suggests immune pressure does not act on T cell immunity	Oral	Vaccines and Vaccinology - Pigs 2	Chicago E	40	207	Nov 5	9:00 AM
Tummala H	A Toll-like Receptor-4 agonist-based nano-vaccine delivery system for porcine influenza	Oral	Vaccines and Vaccinology - Pigs 2	Chicago E	40	208	Nov 5	9:15 AM
Yuan F	Evaluation of a chimeric influenza virus HA antigen as candidate vaccine in pregnant sow model	Oral	Vaccines and Vaccinology - Pigs 2	Chicago E	40	209	Nov 5	9:30 AM
Shepherd FK	Validation and application of B cell epitope prediction tools for porcine rotavirus A	Oral	Vaccines and Vaccinology - Pigs 2	Chicago E	40	210	Nov 5	9:45 AM
Scott MA	Whole blood RNA-seq analysis at arrival to identify biomarkers of respiratory disease risk in stocker cattle	Oral	Bovine Respiratory Disease	Chicago C	41	211	Nov 5	8:30 AM
Raabis SM	Lung microRNA expression and microbiota changes in dairy calves following induced <i>Pasteurella multocida</i> infection	Oral	Bovine Respiratory Disease	Chicago C	41	212	Nov 5	8:45 AM
McMullen C	Bacterial topography of the respiratory tract in feedlot beef cattle	Oral	Bovine Respiratory Disease	Chicago C	41	213	Nov 5	9:00 AM
Maier G	Development of a risk assessment tool for bovine respiratory disease (BRD) in preweaned dairy calves	Oral	Bovine Respiratory Disease	Chicago C	41	214	Nov 5	9:15 AM
Munoz V	Efficacy of metaphylaxis with tulathromycin and pentavalent modified-live virus vaccination in high-risk cattle	Oral	Bovine Respiratory Disease	Chicago C	41	215	Nov 5	9:30 AM
Clothier K	<i>Mycoplasma bovis</i> -associated otitis media in calves and sample sites evaluation utilizing a real-time PCR assay	Oral	Bovine Respiratory Disease	Chicago C	41	216	Nov 5	9:45 AM
Miyagaki Shoyama	Elucidating the regulon of a fur-like protein in <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> (MAP)	Oral	Bacteriology	Chicago H	42	217	Nov 5	8:30 AM
Inzana TJ	Further characterization and resolution of poly-microbial biofilms in bovine respiratory disease	Oral	Bacteriology	Chicago H	42	218	Nov 5	8:45 AM
Poeta Silva A	Comparison of three methods of gilt exposure to <i>M. hyopneumoniae</i>	Oral	Bacteriology	Chicago H	42	219	Nov 5	9:00 AM
Betlach AM	Evaluating <i>Mycoplasma hyopneumoniae</i> detection and transmission dynamics in minimal prevalence scenarios	Oral	Bacteriology	Chicago H	42	220	Nov 5	9:15 AM
Talukdar PK	Molecular dissection of the <i>Campylobacter jejuni</i> CadF and FlpA virulence proteins in binding to host cell fibronectin	Oral	Bacteriology	Chicago H	42	221	Nov 5	9:30 AM
Walker A	Atypical dose response curves for some <i>Leptospira</i> Serogroups: regulatory, and animal welfare implications	Oral	Bacteriology	Chicago H	42	222	Nov 5	9:45 AM
Hadi S	Application of pathogen-specific biomarkers to enhance specificity of bovine TB diagnosis	Oral	Zoonosis	Chicago A/B	43	223	Nov 5	8:30 AM
Lin J	<i>Escherichia albertii</i> is an emerging zoonotic human pathogen in the United States	Oral	Zoonosis	Chicago A/B	43	224	Nov 5	8:45 AM
Donde BG	Retrospective study of rabies cases registered at two hospitals and community KAP in south Ethiopia	Oral	Zoonosis	Chicago A/B	43	225	Nov 5	9:00 AM
Rossouw J	Human brucellosis: seroprevalence and exposure factors among abattoir workers in central South Africa, 2018	Oral	Zoonosis	Chicago A/B	43	226	Nov 5	9:15 AM
Redding L	The effect of pet ownership on the recurrence of <i>Clostridioides difficile</i> infection	Oral	Zoonosis	Chicago A/B	43	227	Nov 5	9:30 AM
Binkley LE	Molecular epidemiology of Rabies Viruses in Ethiopia	Oral	Zoonosis	Chicago A/B	43	228	Nov 5	9:45 AM
Ekakoro J	Constructing veterinary hospital antibiograms to guide antimicrobial selection for empiric therapy	Oral	Antimicrobial Use and Stewardship	Chicago F/G	44	229	Nov 5	8:30 AM
Redding L	Pet Owner Knowledge of and Attitudes Toward the Judicious Use of Antimicrobials in Companion Animals	Oral	Antimicrobial Use and Stewardship	Chicago F/G	44	230	Nov 5	8:45 AM
Vriezen R	Quality assessment of systematic reviews of preventive antibiotics and disease prevention practices in livestock	Oral	Antimicrobial Use and Stewardship	Chicago F/G	44	231	Nov 5	9:00 AM
Pempek J	Organic dairy producers' perspectives concerning vaccination and antimicrobial use	Oral	Antimicrobial Use and Stewardship	Chicago F/G	44	232	Nov 5	9:15 AM
Acharya KR	Expanding antibiotic stewardship among veterinary prescribers using an OPEN Stewardship platform	Oral	Antimicrobial Use and Stewardship	Chicago F/G	44	233	Nov 5	9:30 AM
Okafor C	Psychosocial factors of Tennessee cattle producers regarding responsible antibiotic use	Oral	Antimicrobial Use and Stewardship	Chicago F/G	44	234	Nov 5	9:45 AM
Tan S	Viral strain identification in field samples using nanopore MinION direct RNA sequencing	Oral	Microbiome - 2	Chicago D	45	235	Nov 5	10:30 AM
Johnson TJ	Antibiotic-free alternatives to improve health and performance in commercial turkeys: genomic insights	Oral	Microbiome - 2	Chicago D	45	236	Nov 5	10:45 AM
Chitko-McKown C	The respiratory microbiome is altered in dairy calves fed milk-replacer with added probiotics	Oral	Microbiome - 2	Chicago D	45	237	Nov 5	11:00 AM
Abraham M	An anaerobic microbiota increases broiler chicken growth performance	Oral	Microbiome - 2	Chicago D	45	238	Nov 5	11:15 AM
Beji, AF	Alteration of gut microbiota following treatment of bovine respiratory disease with Danofloxacin in beef calves	Oral	Microbiome - 2	Chicago D	45	239	Nov 5	11:30 AM
Pilch H	16S analysis of the microbiome of recycled bedding sand	Oral	Microbiome - 2	Chicago D	45	240	Nov 5	11:45 AM

Presenter	Title	Format	Session Title	Room	Session Num.	Abstract Num.	Date	Time
Wilson HL	Vaccine administered with semen during artificial insemination to promote immunity without affecting pig fertility	Oral	Vaccines and Vaccinology -2	Chicago E	46	241	Nov 5	10:30 AM
Lee S	Intradermal inactivated vaccine against PCV2 and Mycoplasma hyopneumoniae (Mhp) induces protective immunity in pigs	Oral	Vaccines and Vaccinology -2	Chicago E	46	242	Nov 5	10:45 AM
Vasquez E	Characterization of the local and systemic immune response to Lawsonia intracellularis infection in vaccinated pigs	Oral	Vaccines and Vaccinology -2	Chicago E	46	243	Nov 5	11:00 AM
Curtiss R	Availability of Protective Immunity Enhanced Salmonella Vaccine vectors for antigen and DNA vaccine delivery	Oral	Vaccines and Vaccinology -2	Chicago E	46	244	Nov 5	11:15 AM
Swain B	Regulated lysis E. piscicida vaccine vector system to deliver I-antigen of I. multifiliis (Ich) to protect fish	Oral	Vaccines and Vaccinology -2	Chicago E	46	245	Nov 5	11:30 AM
Jacob JM	Developing a protective immunity enhanced Salmonella vaccine against Brucella melitensis using the Bp26 antigen	Oral	Vaccines and Vaccinology -2	Chicago E	46	246	Nov 5	11:45 AM
Jones C	Progesterone stimulates bovine herpesvirus 1 productive infection and reactivation from latency	Oral	Virology - 2	Chicago C	47	247	Nov 5	10:30 AM
Jones C	Cellular pioneer transcription factors regulate bovine herpesvirus 1 gene expression following stressful stimuli	Oral	Virology - 2	Chicago C	47	248	Nov 5	10:45 AM
Azab W	Role of EHV-1 proteins for establishment of viremia and infection of CNS endothelia	Oral	Virology - 2	Chicago C	47	249	Nov 5	11:00 AM
Giessler KS	Localizing Equid Herpesvirus 1 in various neural and lymphatic tissues at 30 and 70 days post- infection	Oral	Virology - 2	Chicago C	47	250	Nov 5	11:15 AM
Jarosinski KW	Determining the role of Marek's disease virus UL13 protein kinase in horizontal transmission	Oral	Virology - 2	Chicago C	47	251	Nov 5	11:30 AM
Hassan MS	Molecular characterization of infectious bronchitis virus variants isolated in Canada: Evidence of recombination	Oral	Virology - 2	Chicago C	47	252	Nov 5	11:45 AM
Xiao Z	IL-10-producing neutrophils in cattle	Oral	Parasitology - Cattle	Chicago H	48	253	Nov 5	10:30 AM
Okafor C	Factors associated with seroprevalence of Anaplasma marginale in Mississippi cattle	Oral	Parasitology - Cattle	Chicago H	48	254	Nov 5	10:45 AM
Pietrantonio PV	Towards novel acaricide development against cattle fever tick: GPCR target validation by RNAi and chemical leads	Oral	Parasitology - Cattle	Chicago H	48	255	Nov 5	11:00 AM
Reif KE	Comparison of chlortetracycline and oxytetracycline treatment regimens to clear bovine anaplasmosis	Oral	Parasitology - Cattle	Chicago H	48	256	Nov 5	11:15 AM
Reif KE	Maintenance of distinct Anaplasma marginale genotypes in different herds within the same beef	Oral	Parasitology - Cattle	Chicago H	48	257	Nov 5	11:30 AM
Curtis AK	Development of a subcutaneous ear implant to deliver an anaplasmosis vaccine to dairy steers.	Oral	Parasitology - Cattle	Chicago H	48	258	Nov 5	11:45 AM
Sargeant JM	Clinical trials: Improving knowledge or research wastage?	Oral	Epidemiology - 2	Chicago A/B	49	259	Nov 5	10:30 AM
Winder C	Randomized clinical trial of pain mitigation protocols for caustic paste disbudding in young dairy calves	Oral	Epidemiology - 2	Chicago A/B	49	260	Nov 5	10:45 AM
Grohn YT	Mycobacterial transmission dynamics: integrating phylogenetics, epidemiology, ecology, and economics	Oral	Epidemiology - 2	Chicago A/B	49	261	Nov 5	11:00 AM
Dodd CC	Student focus group research to fuel improvement of didactic veterinary curriculum	Oral	Epidemiology - 2	Chicago A/B	49	262	Nov 5	11:15 AM
Baruch J	Evaluation of the type and timing of vaccination for bovine respiratory disease prevention: a network meta-analysis	Oral	Epidemiology - 2	Chicago A/B	49	263	Nov 5	11:30 AM
Wills R	A system dynamics model to facilitate the control and eradication of brucellosis in sheep within Gansu Province, China	Oral	Epidemiology - 2	Chicago A/B	49	264	Nov 5	11:45 AM
Gonzalez S	Phenotypic and genotypic characterization of Salmonella enterica serovar I 4,[5],12:i:- isolated from swine	Oral	Salmonella - 2	Chicago F/G	50	265	Nov 5	10:30 AM
Meneguzzi M	Brazilian Salmonella 4,[5],12:i:- carry multiple resistance genes: a potential threat to animal and public health	Oral	Salmonella - 2	Chicago F/G	50	266	Nov 5	10:45 AM
Parker EM	Salmonella monitoring programs in Australian feed mills: a retrospective analysis	Oral	Salmonella - 2	Chicago F/G	50	267	Nov 5	11:00 AM
Byrne KA	Dietary B-glucan reduces Salmonella shedding and alters monocyte phenotype	Oral	Salmonella - 2	Chicago F/G	50	268	Nov 5	11:15 AM
Kumar D	Antimicrobial resistant nontyphoidal Salmonella isolated from retail chicken meat shops in Northern India	Oral	Salmonella - 2	Chicago F/G	50	269	Nov 5	11:30 AM
Venner L	Epidemiology of MDR Salmonella Newport at Galbreath Equine Center at the Ohio State Veterinary Medical Center	Oral	Salmonella - 2	Chicago F/G	50	270	Nov 5	11:45 AM