



CRWAD 2025 - ORAL PRESENTATIONS

The following is a list of abstracts accepted for oral presentation at CRWAD 2025, listed alphabetically by the presenting author's last name. **Please review the [oral presentation format guidelines and deadlines](#).**

Abstract	Last name	Title	Authors	Session	Date	Start time	Room
240	Abbasi	A 4-Plex qPCR Assay for the quantification of pathogens in liver abscesses and ruminal tissues of feedlot cattle	<u>Mina Abbasi</u> , Reese Wilson, Xiaorong Shi, Leigh Ann George, Farinaz Baghaei Naeini, Jianfa Bai, Raghavendra G. Amachawadi, Dale Woerner, T. G. Nagaraja	Diagnostic testing 2	1/21/25	11:15 AM	Chicago C
23	Abou-Rjeileh	Oleic acid promotes lipogenesis and improves mitochondrial function in bovine adipocytes: role of PPAR α signaling	<u>Ursula Abou-Rjeileh</u> , G. Andres Contreras, Adam L. Lock	General health and physiology	1/19/25	9:00 AM	Chicago E
71	Adegbale	Balancing farm antimicrobial resistance genomic research and data privacy	<u>Charles Adegbale</u> , Togzhan Seilkhanova, Rebecca Smith	Antimicrobial resistance 1	1/20/25	8:30 AM	Chicago A/B
27	Adewusi	Integration of laboratory testing for bovine respiratory disease: Perceptions of Canadian feedlot veterinarians.	<u>Olufunto O. Adewusi</u> , Candace I.J. Nykiforuk, Cheryl L. Waldner, Sherly P. Gow, Nathan Erickson, Simon J.G. Otto	Diagnostic testing - Cattle	1/19/25	8:30 AM	Chicago F/G
99	Ajulo	Unraveling the antibiotic-dependent evolutionary changes in globally emerging multidrug-resistant Salmonella	<u>Samuel Ajulo</u> , Smriti Shringi, Devendra H. Shah	Bacteriology 1	1/20/25	9:30 AM	Chicago F/G
223	Akinsulie	Identifying immune correlates of protection against Anaplasma marginale	<u>Olalekan Chris Akinsulie</u> , Roberta Koku, Shelby Jarvis, Sally Madsen-Bouterse, Reginaldo Bastos, Susan M. Noh	Vaccinology 2	1/21/25	8:30 AM	Chicago F/G
205	Allen	Eugenol nanoemulsion in chicken drinking water reduces Salmonella Enteritidis colonization in broiler chickens	<u>Jodie Allen</u> , Brindhalakshmi Balasubramanian, Ana Leticia De Almeida, Omoladunnandi Battles, Mackenzie Connors, Indu Upadhyaya, Abhinav Upadhyay	Salmonella	1/21/25	8:30 AM	Chicago C

Abstract	Last name	Title	Authors	Session	Date	Start time	Room
248	Alvarez-Norambuena	Detection of distinct hemagglutinin and neuraminidase Influenza lineages in single pigs across production stages	<u>Joaquin Alvarez-Norambuena</u> , Chong Li, My Yang, Marie Culhane, Montserrat Torremorell	Swine influenza	1/21/25	11:45 AM	Chicago D
225	Angelos	Ocular IgA and IgG responses in cattle vaccinated intranasally with native M. bovis/M. bovoculi cytotoxin adjuvanted with Carbigen®	<u>John Angelos</u> , Natalia Marin	Vaccinology 2	1/21/25	9:00 AM	Chicago F/G
224	Angelos	Parenteral vaccination with Moraxella bovis cytotoxin and porin adjuvanted with Emulsigen®-D to prevent bovine pinkeye	<u>John Angelos</u> , Judy Edman, Scott Wetzlich	Vaccinology 2	1/21/25	8:45 AM	Chicago F/G
238	Anil	Random forest models for antimicrobial minimum inhibitory concentration imputation	<u>Gayatri Anil</u> , Joshua Glass, Abdolreza Mosaddegh, Casey L. Cazer	Diagnostic testing 2	1/21/25	10:45 AM	Chicago C
210	Arevalo-Mayorga	Risk factor analysis of Salmonella Dublin in dairy-beef farms: A PCR-based environmental sampling study	<u>Alejandra Arevalo-Mayorga</u> , Jarred Kopkey, Amgad Riad, Jessica Pempek, Samantha Locke, Greg Habing	Salmonella	1/21/25	9:45 AM	Chicago C
97	Atlaw	Molecular characterization of uncommon historical isolates of Salmonella	<u>Nigatu A. Atlaw</u> , Jessica Hicks, Patrick Camp, Tonya Mackie, Edward Palmer, Dana Ludwick, Matt Eiben, Karthik Shanmuganatham, Brenda Morningstar-Shaw	Bacteriology 1	1/20/25	9:00 AM	Chicago F/G
140	Bahadur	Integron-encoded antimicrobial resistance genes in Salmonella Typhimurium isolated from dairy cattle	<u>Sami U.K. Bahadur</u> , Nora J. Nealon, Roberta Magnuson, Josh Daniels, Mo Salman, Sangeeta Rao	Antimicrobial resistance 2	1/20/25	3:15 PM	Chicago A/B
25	Barber	Novel bovine reference gene candidates for RT-qPCR identified via publicly available tissue RNA-seq datasets	<u>Cassandra Barber</u> , Matthew Scott, Amelia Woolums	General health and physiology	1/19/25	9:30 AM	Chicago E
16	Barua	Seroprevalence of SARS-CoV-2 Delta and Omicron variants in cats and dogs in the USA	<u>Subarna Barua</u> , Nneka V. Iduu, Daniel F.B. Murillo, Asfiha Tarannum, Hill Dimino, Suchita Barua, Yue Shu, Calvin Johnson, Megan R. Miller, Kelly Chenoweth, Peter Christopherson, Laura Huber, Theresa Wood, Kelley Turner, Chengming Wang	Epidemiology 1	1/19/25	8:45 AM	Chicago D
177	Bastos	Assessment of dual-platform technology for bone regeneration and local antibiotic delivery in a goat osteomyelitis model	<u>Gabriela Bastos</u> , Tatiana D. Dias, David E. Anderson, Pierre Y.	Antimicrobial use	1/20/25	5:15 PM	Chicago C

Abstract	Last name	Title	Authors	Session	Date	Start time	Room
			Mulon, Silke Hecht, Elizabeth Croy, Lori Terrones				
148	Bastos	Bovine humoral immune response to the major piroplasm surface protein of Theileria orientalis Ikeda	<u>Reginaldo G. Bastos</u> , Cynthia K. Onzere, Lowell S. Kappmeyer, David H. Herndon, Chungwon J. Chung	Immunology 1	1/20/25	2:15 PM	Chicago D
200	Baye	Regional variability in biosecurity investment choices in the United States: the role of socio-psychological and demographic factors	Asim Zia, <u>Richmond Baye</u> , Scott Merrill, Eric Clark, Julie Smith	One health / Public health 2	1/21/25	8:45 AM	Chicago A/B
32	Bernal-Córdoba	Evaluating the accuracy of brix and serum total protein as proxies for IgG in assessing the transfer of passive immunity in calves	<u>Christian Bernal-Córdoba</u> , Jéssica Pereira, Fernanda Ferreria, Noelia Silva-del-Rio	Diagnostic testing - Cattle	1/19/25	9:45 AM	Chicago F/G
175	Bernal-Córdoba	Efficacy of antimicrobial drugs in the prevention and control of protozoal and bacterial calf diarrhea: A scoping review	<u>Christian Bernal-Córdoba</u> , Rúbia Branco-Lopes, Caroline Minjee-Lee, Diana Pérez-Solano, Erik Fausak, Richard Pereira, Noelia Silva-del-Rio	Antimicrobial use	1/20/25	4:45 PM	Chicago C
174	Bhimavarapu	Environmental antimicrobial resistance threats to pollinators	<u>kiranmayee bhimavarapu</u> , Pankaj Gaonkar, Alinne L. R. Santana-Pereira, Geoffrey Williams, Camila Rodrigues, Andre L.B.R. da Silva, Laura Huber	Antimicrobial use	1/20/25	4:30 PM	Chicago C
252	Bhowmik	Investigating the relationship between the cellular protein ZFP36L1 and autophagy in suppressing Norovirus replication	<u>Malabika Bhowmik</u> , Tooba Momin, Abiageal Newell, Mrigendra Rajput	Virology 3	1/21/25	11:15 AM	Chicago E
41	Black	A survey to assess risk factors associated with tick and mosquito exposure in Illinois	<u>Holly E. Black</u> , Sulagna Chakraborty, Rebecca L. Smith	Tick-borne diseases	1/19/25	10:30 AM	Chicago C
52	Botero	Exploring subpopulation dynamics of Salmonella enterica in harvest-ready beef cattle and feedlot environment	<u>Yesica Botero</u> , Kasi Schneid, Kendall L. Samuelson, John T. Richeson, Ty E. Lawrence, Gizem Levent	Epidemiology 2	1/19/25	11:45 AM	Chicago D
103	Bradley	Behavioral strategies of state animal health officials on national disease reporting	<u>M. Bradley</u> , S. Rao, S. Gillette	One health / Public health 1	1/20/25	10:30 AM	Chicago A/B
92	Bradley	Using fluorescent Salmonella serovars to evaluate trafficking and tissue preference in orally challenged calves	<u>Stephenie M. Bradley</u> , Alexis M. Carey, Claudia Ossa-Trujillo, Ashlyn H. Strickland, Ingrid M. Leon, L. Garry Adams, Sara D. Lawhon, Keri N. Norman, Nikki Shariat, Roberta A. Pugh, Javier Vinasco-Torres, H. Morgan Scott	Disease pathogenesis 2	1/20/25	9:15 AM	Chicago E

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192	Bradshaw	In silico design and evaluation of a cross-protective, multiepitope vaccine against outbreak-associated Salmonella	<u>David J. Bradshaw II</u> , Shawn M.D. Bearson	Vaccinology 1	1/20/25	4:30 PM	Chicago F/G
106	Brake	An Investigation into the suitability of household pets as sentinels for human exposure to Per- and Polyfluoroalkyl Substances (PFAS)	<u>Heather D. Brake</u> , Melinda J. Wilkins, John B. Kaneene	One health / Public health 1	1/20/25	11:15 AM	Chicago A/B
158	Britto de Oliveira	Highly pathogenic avian influenza H5N1 virus infection in dairy cattle, serologic antibody detection	<u>Pablo De Oliveira</u> , Ana Rebelo, Elisha Frye, Mohammed Nooruzzaman, Annika Diaz, Lina Covaleda, Diego Diel	Highly Pathogenic Avian Influenza in Cattle	1/20/25	3:15 PM	Chicago E
91	Bromfield	Heat stress alters innate immune function of the endometrial mucosa in dairy cows and is associated with increased uterine disease	Arslan Tariq, <u>John J. Bromfield</u>	Disease pathogenesis 2	1/20/25	9:00 AM	Chicago E
64	Burgess	What would it take to inspire ambulatory veterinary practitioners to make a just-in-time decision to use PPE?	<u>Brandy Burgess</u> , Nichelle Jasper	Biosecurity and infection control	1/19/25	11:45 AM	Chicago F/G
93	Cao	Interactions of Fusobacterium necrophorum, Bacteroides pyogenes and Porphyromonas levii in bovine metritis	<u>Dianjun Cao</u> , Bindu Subhadra, Mehwish Ammad, Thomas Inzana, SooJin Jeon	Disease pathogenesis 2	1/20/25	9:30 AM	Chicago E
245	Cardenas	Adaptation of a human-origin H3N2 Influenza A virus to pigs restricts receptor specificity for extended glycans and enhances sialic acid binding	<u>Matias Cardenas</u> , Pradeep Chopra, Brittany Seibert, Brianna Cowan, L. Claire Gay, Flavio Cargnin Faccin, C. Joaquin Caceres, Geert-Jan Boons, Daniel R. Perez, Amy L. Baker, Tavis K. Anderson, Daniel S. Rajao	Swine influenza	1/21/25	11:00 AM	Chicago D
153	Cargnin Faccin	Experimental infection and viral pathogenesis of H5N1 in Jersey cattle	Flavio Cargnin Faccin, L. Claire Gay, Dikshya Regmi, Sasha Compton, Teresa D Mejias, Juliana Calil Brondani, Elizabeth W Howerth, Daniela S Rajao, Roberto A Palomares, Daniel R Perez	Highly Pathogenic Avian Influenza in Cattle	1/20/25	2:00 PM	Chicago E
129	Castillo Espinoza	M. hyopneumoniae modulates ciliary and adherens junction gene expression in air-liquid porcine respiratory epithelial cells	<u>A.F. Castillo-Espinoza</u> , R.K. Nelli, J.C. Mora-Diaz, R. Rauh, B. Reddi, A. Saxena, N.C. Twu, L. Gimenez-Lirola	Bacteriology 2	1/20/25	11:00 AM	Chicago F/G
128	Castillo Espinoza	M. hyopneumoniae infects and disrupts the air-liquid cultured porcine-derived primary respiratory epithelial cells	<u>A.F. Castillo-Espinoza</u> , R.K. Nelli, J.C. Mora-Diaz, R. Rauh, N.C. Twu, L. Gimenez-Lirola	Bacteriology 2	1/20/25	10:45 AM	Chicago F/G

Abstract	Last name	Title	Authors	Session	Date	Start time	Room
172	Chalkowski	Intensive population control for transboundary animal disease control influences space-use; case with wild pigs (<i>Sus scrofa</i>)	<u>Kayleigh Chalkowski</u> , Nathan P. Snow, Bruce R. Leland, Kurt C. Vercauteren, Ryan S. Miller, Kim M. Pepin	African Swine Fever	1/20/25	5:30 PM	Chicago A/B
95	Chen	<i>Listeria monocytogenes</i> infection in the bovine ligated ileal loops	<u>Yuxing Chen</u> , Trina Westerman, Mariana Paiva Rodrigues, Cheta Siletti, Zepeng Tu, Shreya Kumar, Johanna Elfenbein, Tu-Anh Huynh	Bacteriology 1	1/20/25	8:30 AM	Chicago F/G
178	Cheng	Associations with selective antimicrobial use practices in adult dairy cattle	<u>Ting-Yu Cheng</u> , Molly Piela, Jessica A. Pempek, Kathryn L. Proudfoot, David L. Renaud, Greg G. Habing	Antimicrobial use	1/20/25	5:30 PM	Chicago C
58	Chirivi	Cyclooxygenase Activity Determines TLR4-Mediated Lipolysis in Bovine Adipocytes During Endotoxin Challenge	<u>Miguel Chirivi</u> , G. Andres Contreras	Disease pathogenesis 1	1/19/25	11:45 AM	Chicago E
38	Chung	Evaluation of aggregate oral fluids for African swine fever real-time PCR diagnostics using samples collected on Romanian farms with an active outbreak	<u>Chungwon Chung</u> , Marta Remmenga, Sarah Mielke, Matthew Branan, Andrei Mihalca, Oana-Maria Balmos, David Oglan, Alexandru Supeanu, Attila Farkas	Diagnostic testing 1	1/19/25	11:15 AM	Chicago A/B
244	Ciacchi Zanella	Impact of maternal antibodies and weaning on the replication and transmission of human H3N2 Influenza A in piglets	<u>Giovana Ciacchi Zanella</u> , Matias I. Cardenas, Celeste Snyder, Carl Hutter, Bailey Arruda, Meghan Wymore Brand, Daniel Perez, Tavis K. Anderson, Daniela Rajao, Amy L. Baker	Swine influenza	1/21/25	10:45 AM	Chicago D
104	Cleggett	A survey of emergency preparedness and disaster response in animal shelters located in the United States of America	<u>Amber T Cleggett</u> , Amie Hufton, Jeanette O'Quin, Andréia G. Arruda	One health / Public health 1	1/20/25	10:45 AM	Chicago A/B
241	Cohen	A novel serological test for strangles in horses	<u>Noah D. Cohen</u> , Rie Nakajima, Ellen Ruth Morris, Rafael Ramiro de Assis, Emma V. Hughes, S. Garrett Wehmeyer, Jocelyne M. Bray, Reagan M. Baker, Danielle M. Gonzales, Angela I. Bordin, Philip Felgner	Diagnostic testing 2	1/21/25	11:30 AM	Chicago C
227	Cohen	Serological responses to S protein in vaccinated horses and horses with strangles	<u>Noah Cohen</u> , Emma Hughes, Charlie Bayne, Ellen Ruth Morris, Jocelyne Bray, Danielle Gonzales, Reagan Baker, Rafaela Klein, Wen	Vaccinology 2	1/21/25	9:30 AM	Chicago F/G

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			Liu, Rebecca Legere, S. Garrett Wehmeyer, Angela Bordin, Igor Wierzbicki, David Gonzalez				
180	Cohen	Modifications of mRNA encoding a monoclonal antibody against Rhodococcus equi for nebulizing foals	Noah Cohen, Daryll Vanover, Athos de Oliveira, Karin Borba, Jae Yeon Joo, Rebecca Legere, Amelia Woolums, Michael Criscitiello, Angela Bordin, Philip Santangelo, Jeroen Pollet	Immunology 2	1/20/25	4:30 PM	Chicago D
226	Colombatti Olivieri	Evaluation of Mycobacterium avium subsp. paratuberculosis DIVA vaccine in Holstein calves	Maria A. Colombatti Olivieri, Mostafa Hanafy, Denise K. Zinniel, John P. Bannantine, Raul G. Barletta	Vaccinology 2	1/21/25	9:15 AM	Chicago F/G
12	Connolly	Glycine is a nutritionally essential amino acid in juvenile hybrid-striped bass (Morone chrysops x Morone saxatilis)	Erin D. Connolly, Blaine A. Suehs, Karina L. Hissen, Michael F. Criscitiello, Delbert M. Gatlin, Guoyao Wu	Aquaculture	1/19/25	9:15 AM	Chicago C
193	Conrad	Enhancing the production of type I interferons to create rationally-defined Marek's disease vaccines	Sonsiray Alvarez-Narvaez, Steven Conrad, Taejoong Kim, Jef Boeke, John Dunn	Vaccinology 1	1/20/25	4:45 PM	Chicago F/G
208	Craig	Identifying environmental reservoirs of Salmonella enterica on dairy farms in the northeastern United States	M.J. Craig, K.J. Cummings, L.B. Goodman, E. Frye, R.J. Franklin-Guild, J.D. Siler	Salmonella	1/21/25	9:15 AM	Chicago C
31	Craig	Optimizing Salmonella Dublin detection in clinically ill dairy calves	M.J. Craig, K.J. Cummings, L.B. Goodman, E. Frye, J.D. Siler, R.J. Franklin-Guild	Diagnostic testing - Cattle	1/19/25	9:30 AM	Chicago F/G
123	Crisci	PRRSV-2 immune biobank for vaccine efficacy prediction	Lanre Sulaiman, John Byrne, Ben H. Hause, Juliana Ferreira, Glen Almond, Tobias Käser, Gustavo Machado, Elisa Crisci	Porcine Reproductive and Respiratory Syndrome	1/20/25	11:00 AM	Chicago E
113	Davies	Companion animal health surveillance systems: an environmental scan	H. Davies, T. Epp, A.L. Greer, J.S. Weese, L. Grant	Companion animal health 2	1/20/25	11:30 AM	Chicago C
144	Dawood	Oral florfenicol core-shell composite nanogels for efficient treatment of bacterial enteritis	Ali Dawood, Samah Algharib, Luo Wanhe	Disease therapeutics	1/20/25	2:45 PM	Chicago C
10	Dawood	Application of trans-cinnamaldehyde in catfish aquaculture	Ali Dawood, Hossam Abdelhamed, Fernando Yamamoto, Matt Griffin	Aquaculture	1/19/25	8:45 AM	Chicago C
9	Dawood	Understanding antimicrobial action and resistance of Edwardsiella ictaluri in response to trans-cinnamaldehyde	Ali Dawood, Hossam Abdelhamed	Aquaculture	1/19/25	8:30 AM	Chicago C

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24	Dekkers	A genome-wide association study of measures of stress response in young healthy pigs and in grow-to-finish pigs exposed to a natural polymicrobial disease challenge	Fazhir Kayondo, Hayder Al-Shanoon, Yolande M. Seddon, David Janz, Dylan Carette, Carmen Cole, Frederic Fortin, John C.S. Harding, Michael K. Dyck, Graham Plastow, . PigGen Canada, <u>Jack C.M. Dekkers</u>	General health and physiology	1/19/25	9:15 AM	Chicago E
126	Deng	A longitudinal trial of fecal microbiota transplant (FMT) therapy to weaned pigs during post-weaning viral co-infection	<u>Yale Deng</u> , Megan C. Niederwerder, Noelle R. Noyes	Porcine Reproductive and Respiratory Syndrome	1/20/25	11:45 AM	Chicago E
201	Diaz	Comparing environmental and personal air sampling methods for full-length 16S-based microbiome analysis of samples collected in farms, a pilot study	<u>Gerardo R Diaz</u> , Juan Mena, Mariana Meneguzzi, My Yang, Montserrat Torremorell, Noelle Noyes	One health / Public health 2	1/21/25	9:00 AM	Chicago A/B
163	Diaz	The SERPIN function of Senecavirus A 2C protein and its regulation of the viral 3C protease	<u>Annika N. Diaz</u> , Maureen H.V. Fernandes, Diego G. Diel	Virology 1	1/20/25	3:00 PM	Chicago F/G
179	Diaz	Immunogenicity of innate nanoparticles in lambs and efficacy against Respiratory Syncytial Virus infection	<u>Fabian Diaz</u> , Elizabeth Grego, Balaji Narasimhan, Jodi McGill	Immunology 2	1/20/25	4:15 PM	Chicago D
156	Diel	The impact of highly pathogenic avian influenza H5N1 virus infection in dairy cattle	Felipe Peña-Mosca, Elisha Frye, Matthew J MacLachlan, Ana Rita Rebelo, Pablo S. Britto de Oliveira, Michael J. Zurakowski, Zoe Rose Lieberman, Lauren Elizabeth Meyer, Dennis Summers, Francois Elvinger, Daryl V. Nycham, <u>Diego G. Diel</u>	Highly Pathogenic Avian Influenza in Cattle	1/20/25	2:45 PM	Chicago E
182	Dolatyabi	Probiotic Lactobacilli enhances the efficacy of mannose chitosan nanovaccine against Salmonella food poisoning in broilers	<u>Sara Dolatyabi</u> , Khaled Abdelaziz, Raksha Suresh, Olaitan Shekoni Comfort, Jennifer Schrock, Ronna Wood, Megan Tenney, Sudhir Yadav, James Sanko, Tonima Rahman, Renukaradhya J. Gourapura	Immunology 2	1/20/25	5:00 PM	Chicago D
117	Donbraye	Metagenomic detection of BRD viruses at and shortly after arrival in commercial beef feedlots in Western Canada	<u>Emmanuel Donbraye</u> , Lianne McLeod, Cheryl Waldner	Bovine Respiratory Disease 1	1/20/25	11:00 AM	Chicago D

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152	Donia	Characterization of regional differences in neonatal calf gut-associated lymphoid tissues using high resolution snRNA-sequencing	<u>Mohamed A. Donia</u> , Brian M. Aldridge, James F. Lowe, Wenli Y. Li	Immunology 1	1/20/25	3:15 PM	Chicago D
118	Doster	Enriching without culture: target-enriched metagenomics allows for strain-level characterization of <i>M. haemolytica</i>	<u>Enrique Doster</u> , Cory Wolfe, Robert Valeris-Chacin, William B. Crosby, Michael L. Clawson, Amelia R. Woolums, Lee J. Pinnell, Paul S. Morley	Bovine Respiratory Disease 1	1/20/25	11:15 AM	Chicago D
98	Dudley	Identification of virulence genes in <i>Salmonella</i> isolates from cattle.	<u>Ethan P. Dudley</u> , Sal Lamsal, Paul S. Morley, Matthew A. Scott, Lee J. Pinnell, Brandy A. Burgess, Robert Valeris-Chacin	Bacteriology 1	1/20/25	9:15 AM	Chicago F/G
86	Dunlea	A quantitative model of the risk of FMD transmission following cattle movements during an outbreak	<u>Torre Dunlea</u> , Shankar Yadav, Michael Sanderson	Epidemiology 3	1/20/25	9:15 AM	Chicago D
85	Dunn	US-UK Collab: Influence of vaccines, host genetics, and mutation rates on the evolution of infectious diseases	<u>John Dunn</u> , Jody Mays, Cari Hearn, Hans Cheng, Margo Chase-Topping, Carol Leitch, Samantha Lycett, Andrea Doeschl-Wilson	Epidemiology 3	1/20/25	9:00 AM	Chicago D
211	Ekakoro	Investigation of <i>Burkholderia pseudomallei</i> seroprevalence in pigs slaughtered at selected pig abattoirs in Uganda	<u>John E. Ekakoro</u> , Arnold Lubega, Edrine B. Kayaga, Dickson Ndoboli, Andrew P. Bluhm, Eddie M. Wampande, Jason K. Blackburn, Karyn A. Havas, Michael H. Norris	Epidemiology 4	1/21/25	8:30 AM	Chicago D
15	Elder	Effects of varying temperatures on host-pathogen coevolution and disease transmission	<u>Bret Elder</u> , Kale Rougeau, Lucy Detweiler, Lucy Aucoin	Epidemiology 1	1/19/25	8:30 AM	Chicago D
35	Encinosa	Screening novel biocides for rapid killing of <i>Salmonella</i> isolates of concern	<u>Maya P.N. Encinosa</u> , Lucas Thompson, William M. Hart-Cooper, Bruno E. Quintanilla Florian, Roberto D.J. Avena-Bustillos, Keith Meeks, Torey Looft, Shawn M.D. Bearson	Diagnostic testing 1	1/19/25	10:30 AM	Chicago A/B
187	Feitoza	Histologic characterization of pulmonary lesions in feedyard cattle mortalities	J. Feng, <u>L. F. Feitoza</u> , B. J. White, B. L. Plattner, Abigail Finley	Bovine Respiratory Disease 2	1/20/25	4:45 PM	Chicago E
89	Felizari	Hepatic transcriptome analysis reveals candidate genes in liver abscesses of beef × dairy crossbred steers	<u>Luana D. Felizari</u> , Sydney M. Bowman, Chiquito J. Crasto, Jhones O. Sarturi, Dale R. Woerner, Bradley J. Johnson	Disease pathogenesis 2	1/20/25	8:30 AM	Chicago E

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56	Filipov	Ergot alkaloid dynamics and physiological responses in steers rotating grazing toxic endophyte-infected tall fescue	<u>N. M. Filipov</u> , I. M. Llada, J. M. Lourenco, M. K. Ross, G. Suen, D. P. Jones, M. M. Dycus, N. S. Hill	Disease pathogenesis 1	1/19/25	11:15 AM	Chicago E
13	Fragomeni	Evaluation of genomic selection for acute hepatopancreatic necrosis disease resistance in white pacific shrimp: Genomic prediction	<u>Breno Fragomeni</u> , Issabelle Ampofo, Hung Mai, Daniel grevers, Monique Luna, Harris Wright, Arun Dhar	Aquaculture	1/19/25	9:30 AM	Chicago C
53	Gaber	Testing the pathogenesis of the Louse-borne Relapsing Fever pathogen in the immunocompetent mouse model	<u>A. M. Gaber</u> , J. C. Blazier, C. Lui, D. J. Wiener, A. S. Rogovsky	Disease pathogenesis 1	1/19/25	10:30 AM	Chicago E
76	Gaire	The impact of diet and commingling on the fecal resistome of production pigs exposed to metaphylactic antibiotics: a randomized controlled trial in a commercial flow	<u>Tara Nath Gaire</u> , Jared Young, Gerardo R Diaz, Mariana Meneguzzi, Valeria Lugo Mesa, Ammar Yasir, Yale Deng, Katie Culhane, Avery Cheeseman, Garret Drum, Claire Mitchell, Serena May, Mark Schwartz, Randall Singer, Maria Pieters, Noelle Noyes	Antimicrobial resistance 1	1/20/25	9:45 AM	Chicago A/B
74	Gaire	Targeted resistome sequencing and colocalization analysis for assessing antimicrobial resistance genes and their bacterial hosts	<u>Tara Nath Gaire</u> , Jacob Singer, Noelle Noyes	Antimicrobial resistance 1	1/20/25	9:15 AM	Chicago A/B
216	Gangwar	A multi-host SIR model for community transmission of SARS-CoV-2 among animal species	<u>Mayank Gangwar</u> , Andrew M. Kramer	Epidemiology 4	1/21/25	9:45 AM	Chicago D
135	Gaonkar	Antimicrobial resistance in the different stages of commercial poultry production environment	<u>Pankaj Gaonkar</u> , Alinne Santana-Pereira, Alyssa Lambert, Reed Golden, Courtney Higgins, Yagya Adhikari, Matthew Bailey, Kenneth Macklin, Laura Huber	Antimicrobial resistance 2	1/20/25	2:00 PM	Chicago A/B
90	Garzon	WGS of intrauterine E. coli from cows with metritis reveals a non-unique genotype and the lack of virulence factors associated with disease	<u>Adriana Garzon</u> , Carl Basbas, Cory Schlesener, Noelia Silva del Rio, Betsy Karle, Fabio Lima, Bart C. Weimer, Richard Pereira	Disease pathogenesis 2	1/20/25	8:45 AM	Chicago E
54	Ghahari	Inflammatory pathways in Clostridioides difficile infection: A murine spatial transcriptomics study	<u>N Ghahari</u> , D Pillai, S Narayanan, A Abdelkhalek	Disease pathogenesis 1	1/19/25	10:45 AM	Chicago E
169	Gladue	An innovative and effective CRISPR based anti-viral treatment in pigs infected with African Swine Fever Virus	Naveen Verma, Dylan Keiser, Roky Mohammad, Craig Mosman, Deric	African Swine Fever	1/20/25	4:45 PM	Chicago A/B

Abstract	Last name	Title	Authors	Session	Date	Start time	Room
			Holden, Alison Mahony, <u>Douglas Gladue</u>				
82	Gontu	A trans-amplifying SARS-CoV-2 mRNA vaccine generates broad antibody responses against multiple virus variants	<u>Abhinay Gontu</u> , Sougat Misra, Shubhada K. Chothe, Santhamani Ramasamy, Padmaja Jakka, Maurice Byukusenge, Lindsey C. LaBella, Meera S. Nair, Marco Archetti, Ruth H. Nissly, Suresh V. Kuchipudi	Parasitology & Vaccinology	1/20/25	9:45 AM	Chicago C
139	Gregory	Characterization of ceftiofur-resistant Gram-negative bacteria recovered from dairy cattle	<u>D. Gregory</u> , K.A. Vasco, S.L. Carbonell, R. Mani, K. Dodd, P. Ruegg, S. Manning	Antimicrobial resistance 2	1/20/25	3:00 PM	Chicago A/B
147	Griffin	Interferon stimulated genes as predictive morbidity markers in calves following in-utero viral infection	<u>Caroline K. Griffin</u> , Andrea S. Lear, Morgan L. Adkins, Jon Beever	Immunology 1	1/20/25	2:00 PM	Chicago D
203	Hagan	A One-Health approach in surveilling for emerging respiratory viruses on cattle farms in Kentucky and Indiana	<u>Daniel B. Cummings</u> , John T. Groves, Alex G. Hagan, Judith U. Oguzie, Lyudmyla V. Marushchak, Thang Nguyen-Tien, Ismaila Shittu, Claudia M. Trujillo-Vargas, Jessica Rodriguez, Gregory C. Gray	One health / Public health 2	1/21/25	9:30 AM	Chicago A/B
212	Hakimi	Molecular epidemiology and population structure of Brachyspira hyodysenteriae and its impact on swine dysentery	<u>Maria Hakimi</u> , Anugrah Saxena, Huigang Shen, Orhan Sahin, Eric R Burrough, Ganwu Li	Epidemiology 4	1/21/25	8:45 AM	Chicago D
143	Harman	Treatment of equine thorax wounds with mesenchymal stromal cell secretome	<u>Megan J. Fahey</u> , <u>Rebecca M. Harman</u> , Matthew A. Thomas, Brenna R. Pugliese, Jeanine Peters-Kennedy, Michelle L. Delco, Gerlinde R. Van de Walle	Disease therapeutics	1/20/25	2:30 PM	Chicago C
3	Hasan	Epidemiology and case fatality associated factors of atypical canine infectious respiratory disease complex	<u>Mahamudul Hasan</u> , Gregg A. Hanzlicek, Laura Miller	Companion animal health 1	1/19/25	8:30 AM	Chicago A/B
142	Helmy	Novel quorum sensing inhibitors as potential therapeutics for the control of Salmonella infections	<u>Yosra A. Helmy</u> , Bibek Lamichhane, Ajran Kabir, Khaled A. Shaaban, Larissa V. Ponomareva, Jon S. Thorson	Disease therapeutics	1/20/25	2:15 PM	Chicago C
60	Herman	Enhanced biosecurity planning resources for foot-and-mouth disease preparedness for cattle veterinarians	<u>Julia A. Herman</u>	Biosecurity and infection control	1/19/25	10:45 AM	Chicago F/G

Abstract	Last name	Title	Authors	Session	Date	Start time	Room
11	Hissen	Glutamate effects on reactive oxygen species in intestinal mucosal leukocytes of juvenile hybrid striped bass	<u>Karina L. Hissen</u> , Wenliang He, Guoyao Wu, Michael F. Criscitiello	Aquaculture	1/19/25	9:00 AM	Chicago C
49	Howell	Cross-sectional study to determine factors related to gastrointestinal parasite prevalence in Mississippi beef cow-calf herds	<u>Caroline L. Howell</u> , David R. Smith, W. Isaac Jumper	Epidemiology 2	1/19/25	11:00 AM	Chicago D
190	Huertas	Nasal and bronchoalveolar BRSV IgG-1 transferred from maternal colostrum or a colostrum replacement in dairy calves	<u>O.F. Huertas</u> , M.F. Chamorro, T. Passler, M. Saucedo, S. Taylor, D. Schwartz, J.E. Bayne, J. Stockler, M. Thoresen, A. Woolums	Bovine Respiratory Disease 2	1/20/25	5:30 PM	Chicago E
185	Inzana	Characterization and resolution of poly-microbial biofilms in bovine respiratory disease	<u>Thomas J. Inzana</u> , Dianjun Cao, Bindu Subhadra, Yue-Jia Lee, Neeti Gandhi, Padma Rajagopalan, Weiman Weng, Nancy Vogelaar	Bovine Respiratory Disease 2	1/20/25	4:15 PM	Chicago E
96	Jacobson	Exploring biofilm formation in Mycoplasma ovipneumoniae: attachment, nuclease activity, and disaggregation	<u>B. Tegner Jacobson</u> , Eli T. Selong, Jessica DeWit, Noah Adams, Sobha Sonar, McKenna Quirk, Diane Bimczok, Erika R. Schwarz	Bacteriology 1	1/20/25	8:45 AM	Chicago F/G
115	Jakes	Stress primes a proinflammatory respiratory mucosal immune response in beef stocker cattle	<u>Grace Jakes</u> , Dylan Ammons, Ediane Silva, Steven Dow, Sarah Raabis	Bovine Respiratory Disease 1	1/20/25	10:30 AM	Chicago D
108	James	Close genetic relatedness of carbapenem-resistant Enterobacterales from companion animals and humans.	<u>Allison E. James</u> , Lingzi Xiaoli, Anna Stahl, Stephen D. Cole, Maho Okumura, Jaclyn M. Dietrich, Molly M. Lapeer, Jordan K. Putney, Maroya S. Walters, Richard A. Stanton	One health / Public health 1	1/20/25	11:45 AM	Chicago A/B
100	Jarvis	The development of an axenic medium to support Anaplasma marginale metabolic activity and replication	<u>Shelby M. Jarvis</u> , Susan M. Noh, Anders Omsland	Bacteriology 1	1/20/25	9:45 AM	Chicago F/G
42	Johnson-Walker	Invasive plant species as risk factors for tickborne disease in humans and livestock	<u>YJ Johnson-Walker</u> , TL Steckler, CM Stone, HC Tuten, CW Evans, MS Myint, Erica Jackson	Tick-borne diseases	1/19/25	10:45 AM	Chicago C
218	Jones	Activation of of bovine herpesvirus 1 (BoHV-1) infected cell protein 0 (ICP0) early promoter by stress	<u>Clinton Jones</u>	Virology 2	1/21/25	8:45 AM	Chicago E
30	Jumper	Likelihood ratios of T. foetus RT-qPCR around limit of detection	<u>T. M. Jumper</u> , M. Thoresen, E.H. King, D. Loy, J.D. Loy, D.R. Smith	Diagnostic testing - Cattle	1/19/25	9:15 AM	Chicago F/G

Abstract	Last name	Title	Authors	Session	Date	Start time	Room
29	Jumper	Comparing 0.9% sterile saline to phosphate buffered saline as a transport media for <i>Tritrichomonas foetus</i> RT-qPCR testing	<u>T. M. Jumper</u> , M. Thoresen, E. H. King, D. Loy, J. D. Loy, D.R. Smith	Diagnostic testing - Cattle	1/19/25	9:00 AM	Chicago F/G
48	Jumper	Cross-sectional study estimating seroprevalence of <i>Anaplasma marginale</i> in Mississippi beef cow-calf herds	<u>W. Isaac Jumper</u> , Brandi Karisch, Carla L. Huston, David R. Smith	Epidemiology 2	1/19/25	10:45 AM	Chicago D
73	Kabir	Whole genome sequence analysis and molecular characterization of virulence and antimicrobial resistance profiles of <i>Salmonella</i> isolated from necropsied horse	<u>Ajran Kabir</u> , Grant William, Cheyenne Glover, Steve Locke, Erdal Erol, Yosra A. Helmy	Antimicrobial resistance 1	1/20/25	9:00 AM	Chicago A/B
260	Kaeser	Immunological lessons on how to best protect pigs against porcine reproductive and respiratory syndrome virus.	Andrew R. Kick, Jessica Proctor, Amanda F. Amaral, Lizette M. Cortes, Juliana Bonin-Ferreira, Phillip C. Gauger, James M. Hammer, Glen W. Almond, Jeremy Pittman, Elisa Crisci, <u>Tobias Kaeser</u>	Vaccinology 3	1/21/25	11:45 AM	Chicago F/G
120	Kaplan	Bovine herpesvirus-1, <i>Mycoplasma bovis</i> co-infection rapidly enhances lung pathogenesis at early timepoints post-infection	<u>Bryan S. Kaplan</u> , Carly R. Kanipe, Kaitlyn S. Davila, Jenny Rasmussen, Randy E. Sacco	Bovine Respiratory Disease 1	1/20/25	11:45 AM	Chicago D
122	Keen	Effect of dietary vitamin D3 on PRRSV disease severity and immune response in nursery pigs	<u>KG. Keen</u> , E. van Heugten, P. Sitthicharoenchai, S. Hernandez, V. Bamrung, S. Hough, M. Rahe	Porcine Reproductive and Respiratory Syndrome	1/20/25	10:45 AM	Chicago E
151	Kesler	Utilizing zinc to modulate GLUT4 expression in bovine CD4 lymphocytes	<u>Katy Kesler</u> , Angel Abuelo	Immunology 1	1/20/25	3:00 PM	Chicago D
217	Khatiwada	Coinfection of SPF turkeys with arthritic and enteric reovirus alters viral shedding and gut bacterial diversity	<u>Saroj Khatiwada</u> , Patricia A. Boley, Thamonpan Laocharoensuk, Kush K. Yadav, Carolyn M. Lee, Jelmer W. Poelstra, Gireesh Rajashekara, Scott P. Kenney	Virology 2	1/21/25	8:30 AM	Chicago E
164	Kim	A comparative study of structural protein compositions to assemble virus-like particles of Seneca Valley virus	<u>Hanjun Kim</u> , Limin Li, Baoqing Guo, Kyoung-Jin Yoon	Virology 1	1/20/25	3:15 PM	Chicago F/G
221	Kincade	A novel multi-omics perspective on postnatal deficiencies in cattle following transient fetal infection with Bovine Viral Diarrhea Virus	Jessica N. Kincade, Jordan M. Eder, Erin M. McDonald, Darcy M. Deines, Brie M. Wright, Alexander P. R. Bally, Reyes A. Murrieta,	Virology 2	1/21/25	9:30 AM	Chicago E

Abstract	Last name	Title	Authors	Session	Date	Start time	Room
			Terry E. Engle, Hana Van Campen, Thomas R. Hansen				
173	Koebel	AUDIO: An app to aid antimicrobial use monitoring on dairy farms	<u>Katherine J. Koebel</u> , Ece Bulut, Daryl V. Nydam, Michael B. Capel, Renata Ivanek	Antimicrobial use	1/20/25	4:15 PM	Chicago C
202	Koebel	Quantitative risk assessment of human H5N1 infection from consumption of fluid milk	<u>Katherine J. Koebel</u> , Ece Bulut, Samuel D. Alcaine, Aljosa Trmcic, Diego G. Diel, Renata Ivanek	One health / Public health 2	1/21/25	9:15 AM	Chicago A/B
219	Krueger	Reduced susceptibility to heparan sulfate-adapted BVDV in primary cells from a CD46-edited bovine heifer	<u>Alexandria C. Krueger</u> , Brian L. Vander Ley, Michael P. Heaton, Aspen M. Workman	Virology 2	1/21/25	9:00 AM	Chicago E
242	Kulkarni	Development of digital PCR assay for detection of Taylorella equigenitalis causing Contagious Equine Metritis in horses	<u>Vishakha Kulkarni</u> , Smriti Shringi, Devendra H. Shah	Diagnostic testing 2	1/21/25	11:45 AM	Chicago C
72	L. R. Santana-Pereira	Antimicrobial resistance and virulence reservoirs: evolution, distribution and persistence of R.equi in horse farms	<u>Alinne L. R. Santana-Pereira</u> , Courtney Higgins, Nathan Slovis, Pankaj Gaonkar, Laura Huber	Antimicrobial resistance 1	1/20/25	8:45 AM	Chicago A/B
141	Lamichhane	Novel antibiotic alternative approaches for controlling Salmonella infections in vitro	<u>Bibek Lamichhane</u> , Yosra A. Helmy	Disease therapeutics	1/20/25	2:00 PM	Chicago C
119	Lamsal	Development and optimization of targeted enriched metagenomics protocol to obtain strain-level data for Mycoplasma bovis in respiratory samples from cattle	<u>Kushal R. Lamsal</u> , Christopher Panaretos, Ethan P. Dudley, Lee J. Pinnell, Matthew A. Scott, John T. Richeson, Hatem H. Kittana, Paul S. Morley, Robert Valeris-Chacin	Bovine Respiratory Disease 1	1/20/25	11:30 AM	Chicago D
46	Latre de Latre	Inactivated whole cell antigen vaccine confers protection against heterologous Rickettsia rickettsii strains in the canine host.	<u>Perle Latré de Laté</u> , Ian Stoll, Jonathan Ferm, Francy Liliana Crosby, Jodi McGill, Kim D. Yong, Dominica Ferm, Deepika Chauhan, Debika Choudhury, Huitao Liu, Suhasini Ganta, Roman R. Ganta	Tick-borne diseases	1/19/25	11:45 AM	Chicago C
170	Lee	Molecular characterization reveals novel African swine fever virus recombinant between genotypes I and II	<u>K. Lee</u> , T.T.H. Vu, M. Yeom, V.D. Nguyen, T.T. Than, V.Y. Nguyen, D. Jeong, A. Ambagala, V.P. Le, D. Song	African Swine Fever	1/20/25	5:00 PM	Chicago A/B
75	Li	Assessment of antimicrobial resistance genes in the bovine gastrointestinal tract	Levi Svaren, <u>Wenli Li</u>	Antimicrobial resistance 1	1/20/25	9:30 AM	Chicago A/B
14	Li	Underwater vaccination using biopolymeric microneedles	<u>Meng Li</u> , Gregory Wiens, Jad Raad, Gael Kurath, Benedetto Marelli	Aquaculture	1/19/25	9:45 AM	Chicago C

Abstract	Last name	Title	Authors	Session	Date	Start time	Room
259	Liu	Engineering a recombination-resistant live attenuated vaccine candidate for Porcine Epidemic Diarrhea Virus	<u>Mingde Liu</u> , Bikash Aryal, Xiaoyu Niu, QiuHong Wang	Vaccinology 3	1/21/25	11:30 AM	Chicago F/G
28	Long	Associations of gross and histopathological cardiac and hepatic findings in feedyard mortalities	<u>Katie A. Long</u> , Brad J. White, Brandon L. Plattner, Eduarda M. Bortoluzzi, Laura Carpenter, Robert L. Larson, Brian V. Lubbers	Diagnostic testing - Cattle	1/19/25	8:45 AM	Chicago F/G
235	Looft	Microbiota modulation of chickens impacts Salmonella colonization and host gene expression	<u>Torey Looft</u> , Melissa Monson, Carmen Wickware	Microbiome	1/21/25	11:30 AM	Chicago A/B
232	Lugo-Mesa	Linking Salmonella populations in feedlot holding ponds to cattle feces and the overall microbial community	<u>Valeria Lugo-Mesa</u> , Enrique Doster, Brandy Burgess, Nikki Shariat, Benjamin J. Newcomer, Vinicius Machado, Juan Pineiro, Robert Valeris-Chacin, Matthew A. Scott, Paul S. Morley, Lee J. Pinnell	Microbiome	1/21/25	10:45 AM	Chicago A/B
204	Macdonald	Determinants of health and disease at the global livestock-wildlife-human interface: a scoping review	<u>Alaina Macdonald</u> , Manuel Perez Maldonado, Lauren Grant, Claire Jardine, E. Jane Parmley	One health / Public health 2	1/21/25	9:45 AM	Chicago A/B
159	Mani	Exploring the pathogenesis of newly emerged African swine fever virus in naturally infected pigs from India	<u>Saminathan Mani</u> , Karam Pal Singh, Sukdeb Nandi, Pavulraj Selvaraj, Arun Chatla, Cole Knuese, Jorge E. Osorio	Virology 1	1/20/25	2:00 PM	Chicago F/G
136	Mansfield	Zoonotic spread of antibiotic resistance genes by conjugation to the gut microbiota can expand the resistome	<u>Azam A. Sher</u> , Ashley M. Peer, Julia A. Bell, Daniel B. Vocelle, Joshua T. Dippel, Charles E. Whitehead-Tillery, Lixin Zhang, <u>Linda S. Mansfield</u>	Antimicrobial resistance 2	1/20/25	2:15 PM	Chicago A/B
188	McAllister	How does vaccination and marketing impact bovine respiratory disease and inflammatory mediator production in beef calves?	<u>Hudson McAllister</u> , Sarah Capik, Robert Larson, Brad White, David Amrine, Brandi Karisch, Kelsey Harvey, Jane Parish, Amelia Woolums, Vinicius Gouvea, Alexis Thompson, Matthew Scott	Bovine Respiratory Disease 2	1/20/25	5:00 PM	Chicago E
80	McAtee	Aerosolized synthetic mRNA elicits antibodies against Trichostrongylus axei in bovine preputial skin	<u>Kenzie McAtee</u> , Merrilee Thoresen, Heath King, Santiago Cornejo, Cassandra Barber, Daryll Vanover, Jae Yeon Joo, Hannah Peck, J.M.	Parasitology & Vaccinology	1/20/25	9:15 AM	Chicago C

Abstract	Last name	Title	Authors	Session	Date	Start time	Room
			Feugang, Philip Santangelo, Amelia Woolums				
47	McAtee	Associations between estimated greenhouse gas emissions in feedlot cattle cohorts and their health and performance	Taylor B. McAtee, David G. Renter, Nick B. Betts, Natalia Cernicchiaro	Epidemiology 2	1/19/25	10:30 AM	Chicago D
186	McClurg	Impact of six different antimicrobial treatments on the microbiome and resistome of feedlot cattle	Molly McClurg, Enrique Doster, Lee J. Pinnell, Cory Wolfe, Rebecca A. Bigelow, Robert Valeris-Chacin, Matthew A. Scott, John T. Richeson, Paul S. Morley	Bovine Respiratory Disease 2	1/20/25	4:30 PM	Chicago E
105	McClurg	Are antimicrobial resistance genes transferred to consumers through beef consumption?	Molly McClurg, Enrique Doster, Cory A. Wolfe, Noelle R. Noyes, Lee J. Pinnell, Keri Norman, Emily Rice, Adam Byers, Eric Davis, Harrison M. Cottingham, Mahesh Nair, Keith E. Belk, Wayne W. Campbell, Paul S. Morley	One health / Public health 1	1/20/25	11:00 AM	Chicago A/B
114	McCullough	Diagnoses in dogs with pet health insurance	Aliya McCullough, Janice O'Brien, Audrey Ruple	Companion animal health 2	1/20/25	11:45 AM	Chicago C
132	Meinen-Jochum	Sequencing of the chicken segmented filamentous bacteria genome reveals differences between host-species	Jared Meinen-Jochum, Melha Mellata	Bacteriology 2	1/20/25	11:45 AM	Chicago F/G
130	Mellata	Broiler and layer chickens' responses to host-specific bacteria colonization in early life	Melha Mellata, Jared Meinen-Jochum	Bacteriology 2	1/20/25	11:15 AM	Chicago F/G
253	Momin	ZFP36L1 suppresses virus replication beyond poly(a) tail deadenylation	Tooba Momin, Malabika Bhowmik, Abiageal Newell, Mrigendra Rajput	Virology 3	1/21/25	11:30 AM	Chicago E
231	Mooyottu	Fecal microbiota transplantation modulates jejunal host-microbiota interface in weanling piglets	Farnaz Yousefi, Alejandro Ramirez, Joy Scaria, Shankumar Mooyottu	Microbiome	1/21/25	10:30 AM	Chicago A/B
17	Mundt	Evaluating sources of uncertainty in predictions of epidemic spread	Eli Horner, Ross Meentemeyer, Christopher Mundt, Chris Jones	Epidemiology 1	1/19/25	9:00 AM	Chicago D
234	Murphy	How relatedness between foals impacts the developing microbiome and resistome	Maggie Murphy, Enrique Doster, Lee J. Pinnell, Cory Wolfe, Eryah Mora, Kelsey Shields, Jessica Looman, Hannah Looman, Gregg O. Veneklasen, John L. Pipkin, Paul S. Morley	Microbiome	1/21/25	11:15 AM	Chicago A/B
57	Myers	Endotoxemia modulates endocannabinoid and ethanolamide profiles in dairy cows' plasma	Madison N. Myers, Miguel Chirivi, Jair Parales Giron, Jose dos	Disease pathogenesis 1	1/19/25	11:30 AM	Chicago E

Abstract	Last name	Title	Authors	Session	Date	Start time	Room
			Santos Neto, Adam L. Lock, G. Andres Contreras				
37	Naseer	Comparative analysis of PRRSV RT-qPCR Ct value distributions across various sample types	<u>Rabsa Naseer</u> , Michael A. Zeller, Phillip C. Gauger, Giovanni Trevisan	Diagnostic testing 1	1/19/25	11:00 AM	Chicago A/B
233	Neumann	Defining microbiomes of ixodid ticks collected from the Chernobyl Exclusion Zone 30 years post nuclear catastrophe	Natanel Neumann, Ivan Ivanov, Aimee-Joy M. Hearn, John C. Blazier, Yuliya V. Rogovska Rogovska, Jiangli Wang, Sijia Li, Shuling Liu, Igor V. Nebogatkin, Artem S. Rogovsky	Microbiome	1/21/25	11:00 AM	Chicago A/B
220	Nissly	Influenza D virus infection dynamics at the bovine respiratory epithelial barrier: physical and functional impacts	<u>Ruth Nissly</u> , Michael Ling, Suresh Kuchipudi	Virology 2	1/21/25	9:15 AM	Chicago E
167	Noel	Characterizing pig farmer practices in Trinidad and Tobago in the context of African swine fever surveillance	Teola Noel, Jose Pablo Gómez-Vázquez, Carlos Gonzalez Crespo, Jose Henrique Hildebrand Grisi Filho, Beatriz Martínez López, Christopher Oura, Anil Persad, Nirvana Dodo, Cheryl-Ann Wharwood, Lana Gyan, Joanne Caruth, Annika Gordon, Karla Georges	African Swine Fever	1/20/25	4:15 PM	Chicago A/B
8	Nooruzzaman	ORF6 contributes to SARS-CoV-2 virulence and pathogenicity in the naturally susceptible feline species	<u>Mohammed Nooruzzaman</u> , Salman L. Butt, Nathaniel Jackson, Chengjin Ye, Luis Martinez-Sobrido, Ying Fang, Diego G. Diel	Companion animal health 1	1/19/25	9:45 AM	Chicago A/B
199	Nooruzzaman	Thermal inactivation spectrum of influenza A H5N1 virus in raw milk	<u>Mohammed Nooruzzaman</u> , Lina M. Covalada, Nicole H. Martin, Katherine Koebel, Renata Ivanek, Samuel D. Alcaine, Diego G. Diel	One health / Public health 2	1/21/25	8:30 AM	Chicago A/B
214	Norton	Epidemiological evaluation of equine metabolic syndrome in Arabian horses and their subgroups	<u>Elaine Norton</u> , Jennifer Hesser, Audrey Johnston, Brianna Young	Epidemiology 4	1/21/25	9:15 AM	Chicago D
236	Noyes	Microbiome and Salmonella dynamics in pork trim meat and contact surfaces in a commercial pork processing facility	Aaron Asmus, Tara Gaire, Kayla Heimer, Keith Belk, Randall Singer, Timothy Johnson, <u>Noelle Noyes</u>	Microbiome	1/21/25	11:45 AM	Chicago A/B
51	Noyes	Prevalence of bovine coronavirus in nasal samples collected from beef calves during a controlled commingling event	Joanna Urbaniec, Peers Davies, John Ellis, Federico Hoffmann, Florencia Meyers, Paul S. Morley, Matt Scott, Amelia Woolums, <u>Noelle Noyes</u> , Joseph Neary	Epidemiology 2	1/19/25	11:30 AM	Chicago D

Abstract	Last name	Title	Authors	Session	Date	Start time	Room
5	O'Brien	Home-prepared diets for companion dogs are made from a diverse group of food ingredients and few are balanced	<u>Janice O'Brien</u> , Courtney Sexton, Audrey Ruple	Companion animal health 1	1/19/25	9:00 AM	Chicago A/B
112	O'Brien	Environmental exposures and health outcomes differ according to geographic region among Dog Aging Project participants	<u>Janice O'Brien</u> , Courtney Sexton, Audrey Ruple	Companion animal health 2	1/20/25	11:15 AM	Chicago C
43	Oliva Chavez	Identification of tick antigens after vaccination with tick extracellular vesicles in white-tailed deer	<u>Adela Oliva Chavez</u> , Julia Gonzalez, Cristina Harvey, Carita de Souza Ribeiro-Silva, Brenda Leal-Galvan, Kelly Persinger, Tammi Johnson	Tick-borne diseases	1/19/25	11:00 AM	Chicago C
237	Ossa	Rapid chute-side antibiotic resistance detection tool to improve antimicrobial stewardship and optimize risk management while controlling bovine respiratory disease	<u>Claudia Ossa-Trujillo</u> , Hervé Volland, Anaïs Vogel, Thierry Naas, Christian Mogue, Milovan Stankov- Puges, Kenneth Aron, Hatem Kittana, Jessica Galloway-Peña, Sara D. Lawhon, Javier Vinasco, Keri N. Norman, H. Morgan Scott	Diagnostic testing 2	1/21/25	10:30 AM	Chicago C
87	Osuagwu	Evaluating FMD spread among U.S. dairy cattle premises: Findings from the InterSpread Plus model	<u>Johnbosco U. Osuagwu</u> , Julia M. Smith, Columb Rigney	Epidemiology 3	1/20/25	9:30 AM	Chicago D
26	Pace	Intrauterine wildfire-PM2.5 exposure affects calf growth, health, and metabolic and inflammatory markers	<u>Alexandra Pace</u> , Patricia Villamediana, Maristela Rovai, Gabriella Ponce, Natalie Ellis, Angela Stegeman, Mallery Larson, Denise Konetchy, Pedram Rezamand, Amy Skibiel	General health and physiology	1/19/25	9:45 AM	Chicago E
94	Panda	3D bovine endometrium model for studying host-pathogen interactions associated with metritis	<u>M.K Panda</u> , B Subhadra, T Inzana, SJ Jeon	Disease pathogenesis 2	1/20/25	9:45 AM	Chicago E
181	Parcells	The role of exosomes in Marek's disease virus-mediated immunosuppression and vaccine responses	<u>Mark S. Parcells</u> , Sohee Lee, Shannon Modla, Arifa Kamal, Ken Pendarvis, Famatta Perry, Phaedra Tavlarides-Hontz, Kobia Dwomor, Ryan Arsenault	Immunology 2	1/20/25	4:45 PM	Chicago D
213	Park	Characterizing hot spots for avian-equine influenza spillover	<u>Andrew Park</u> , Carlos Molinero, TJ Odom, Ayanna Johnson, Annakate Schatz, Mafalda Viana, Daniel Perez, Daniela Rajao, Batchuluun Damdinjav, Pablo Murcia	Epidemiology 4	1/21/25	9:00 AM	Chicago D

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124	Pasternak	Influence of gestational age on vertical transmission of PRRSV2	Dayeon Jeon, Sarah Innis, Alyssa Smith, Kaylyn Rudy, Isabel Turner, Ryan Cabot, <u>J.Alex Pasternak</u>	Porcine Reproductive and Respiratory Syndrome	1/20/25	11:15 AM	Chicago E
191	Perez	Mass vaccination against avian influenza with novel Modified Live Virus (MLV) vaccines	<u>Daniel Perez</u> , Joaquin Caceres, Daniela Rajao, Brian Jordan, Silvia Carnaccini, Darrell Kapczynski	Vaccinology 1	1/20/25	4:15 PM	Chicago F/G
77	Pietrantonio	Towards novel acaricide development against cattle fever tick: bioassays of novel small molecules on tick larvae and ex-vivo midgut	<u>Patricia Pietrantonio</u> , Waleed Ahmed, Donald Thomas, Bianca Henriques-Santos	Parasitology & Vaccinology	1/20/25	8:30 AM	Chicago C
176	Portillo-Gonzalez	Understanding the barriers and drivers influencing treatment decisions in large dairy farms in Ohio and California	<u>Rafael Portillo-Gonzalez</u> , Adriana Garzon, Ting-Yu Cheng, Devon J. Wilson, Richard Pereira, Greg Habing	Antimicrobial use	1/20/25	5:00 PM	Chicago C
168	Prezioso	A dynamic network evaluation of human, animal, and truck movement data across a swine farm system	Tara Prezioso, Alicia Boakes , Jeff Wrathall, Suman Bhowmick , Rebecca Lee Smith	African Swine Fever	1/20/25	4:30 PM	Chicago A/B
239	Prosser	Supervised machine learning to diagnose respiratory disease-affected bovine lung histopathology photomicrographs	<u>Haleigh M Prosser</u> , Abigail Finley, Brad J White, Eduarda M Bortoluzzi, Matthew A Scott	Diagnostic testing 2	1/21/25	11:00 AM	Chicago C
116	Ramirez	Multomic investigation in beef cattle characterizes management-associated immune modulation in context of respiratory disease	<u>Bradly Ramirez</u> , Hudson McAllister, Sarah Capik, Robert Valeris-Chacin, Kelsey Harvey, Amelia Woolums, Brandi Karisch, Lee Pinnell, Paul S. Morley, Matthew Scott	Bovine Respiratory Disease 1	1/20/25	10:45 AM	Chicago D
39	Reddi	Automated 384-well RT-qPCR assay advances high-volume testing for Porcine Reproductive and Respiratory Syndrome Virus	<u>B. Reddi</u> , A. Saxena, LG. Giménez-Lirola, PC. Gauger, RG. Main, J. Zhang, RK. Nelli	Diagnostic testing 1	1/19/25	11:30 AM	Chicago A/B
4	Redding	Resolution of uncomplicated pneumonia in dogs treated with shorter or longer courses of antimicrobials: a randomized, double-blinded, placebo-controlled study	<u>Laurel Redding</u> , Erika Reineke	Companion animal health 1	1/19/25	8:45 AM	Chicago A/B
84	Reid	Effect of antioxidant supplementation on health and growth of pre-weaned dairy calves in a multi-herd study	<u>Abigail Reid</u> , Hannah Carlson, Natalie Prichard, Faith Cullens-Nobis, Angel Abuelo	Epidemiology 3	1/20/25	8:45 AM	Chicago D
83	Rico	Case-control study exploring associations between demographics and HPAI risk in lactating Holstein cows	<u>Alexandre Rico</u> , Blaine Nicks, Alfonso Lago, Noelia Silva-del-Rio	Epidemiology 3	1/20/25	8:30 AM	Chicago D

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189	Rients	Disease severity alters mineral metabolism and gene expression in lesion and non-lesion lung tissues of bovine respiratory disease challenged steers	<u>Emma Rients</u> , Stephanie Hansen, Jodi McGill	Bovine Respiratory Disease 2	1/20/25	5:15 PM	Chicago E
111	Rostami	Assessing the application of infrared thermography for measuring unrestrained dog body surface temperature	<u>Sahar Rostami</u> , Abigail McBride, Kimberly Woodruff, David Smith	Companion animal health 2	1/20/25	11:00 AM	Chicago C
127	Runcharoon	Using challenge models to identify pathogenicity traits of novel Avian Pathogenic E. coli (APEC) serogroups	<u>K. Runcharoon</u> , J.I. Lima, Y.Y. Tsai, C.M. Logue	Bacteriology 2	1/20/25	10:30 AM	Chicago F/G
40	Saxena	Leveraging automation and 384-well RT-qPCR assays for rapid detection of SARS-CoV-2 in animal species	<u>A Saxena</u> , B Reddi, L.G. Giménez-Lirola, P.C. Gauger, R.G. Main, P.G. Halbur, R.K. Nelli	Diagnostic testing 1	1/19/25	11:45 AM	Chicago A/B
18	Sequeira	ICVI exceptions in U.S. States: A risk to cattle disease traceability and movement networks	<u>Katherine P. Phillips</u> , <u>Sara C. Sequeira</u> , Gregory Habing, Andréia G. Arruda	Epidemiology 1	1/19/25	9:15 AM	Chicago D
110	Sexton	How can we achieve more accurate reporting of average dog lifespan?	<u>Courtney Sexton</u> , Audrey Ruple	Companion animal health 2	1/20/25	10:45 AM	Chicago C
109	Sexton	Testing for heavy metals in drinking water collected from Dog Aging Project participants	<u>Courtney Sexton</u> , Janice O'Brien, Justin Lytle, Sam Rodgers, Amber Keyser, Mandy Kauffman, Matt Dunbar, Leigh-Anne Krometis, Marc Edwards, Audrey Ruple	Companion animal health 2	1/20/25	10:30 AM	Chicago C
63	Shah	Assessing ultrasound probe disinfection in veterinary clinics: A hidden risk for bacterial transmission?	Alexandria Lane, Smriti Shringi, Asmita Shrestha, Vishakha Kulkarni, Phillipa Gibbons, John Dascanio, <u>Devendra Shah</u>	Biosecurity and infection control	1/19/25	11:30 AM	Chicago F/G
45	Shahzad	Identification of A. marginale surface-protein binding receptors on Dermacentor andersoni tick cells.	<u>Sammuel Shahzad</u> , Susan Noh	Tick-borne diseases	1/19/25	11:30 AM	Chicago C
157	Shi	Experimental infection of calves with swine influenza H3N2 virus	<u>Lei Shi</u> , Yuekun Lang, Dipali Gupta, Sawrab Roy, Chao Dai, Muhammad Afnan Khalid, Richard Webby, Juergen Richt, Wenjun Ma	Highly Pathogenic Avian Influenza in Cattle	1/20/25	3:00 PM	Chicago E
247	Shin	Emerging swine influenza virus circulation in Korea challenges the protective efficiency of current SIV vaccines	<u>Yejin Shin</u> , Do Hai Quynh, Minjoo Yeom, Hyoun-il Kim, Seongho Shin, Eunseo Bae, Woonsung Na, Daesub Song	Swine influenza	1/21/25	11:30 AM	Chicago D

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36	Shrestha	Rapid serotype-independent differential detection of biofilm-positive and biofilm-negative Salmonella using FTIR biotyping	<u>Asmita Shrestha</u> , Smriti Shringi, Devendra H Shah	Diagnostic testing 1	1/19/25	10:45 AM	Chicago A/B
207	Singer	Emergence of a Salmonella Enteritidis strain with decreased susceptibility to ciprofloxacin in U.S. poultry	<u>Randall Singer</u> , Timothy Johnson	Salmonella	1/21/25	9:00 AM	Chicago C
249	Singh	Zinc finger antiviral protein affects Zika, Japanese encephalitis, and West Nile virus infection phenotypes	N.P. Khanh Le, <u>P. P. Singh</u> , Uladzimir Karniychuk	Virology 3	1/21/25	10:30 AM	Chicago E
161	Singh	Japanese encephalitis virus expands genomic heterogeneity during fetal infection in the native amplifying host	<u>P.P. Singh</u> , K. Le, U. Karniychuk	Virology 1	1/20/25	2:30 PM	Chicago F/G
184	Slate	Duration and characterization of anamnestic responses following RB51 vaccination in bison	<u>Jamison Slate</u> , Steven Olsen, Mitch Palmer, Paola Boggiatto	Immunology 2	1/20/25	5:30 PM	Chicago D
19	Smith	Optimizing environmental surveillance	<u>Anwasha Chakravarty</u> , Bo Li, Rebecca Smith	Epidemiology 1	1/19/25	9:30 AM	Chicago D
62	Smith	A scoping review of Foot-and-Mouth Disease biosecurity practices and farm-level risk factors	<u>MaRyka R. Smith</u> , Christy J. Hanthorn, Michael W. Sanderson	Biosecurity and infection control	1/19/25	11:15 AM	Chicago F/G
209	Sohail	Prevalence and antimicrobial resistance in Salmonella Infantis isolates detected across the food chain in the United States 2013-2022.	<u>Mohammad Nasim Sohail</u> , Csaba Varga	Salmonella	1/21/25	9:30 AM	Chicago C
7	Son	Re-purposing arbidol as a potential antiviral agent against canine parvovirus type-2	<u>Ayoung Son</u> , Jong-Woo Lim, Minjoo Yeom, Daesub Song	Companion animal health 1	1/19/25	9:30 AM	Chicago A/B
146	Sonar	Short-term efficacy of enrofloxacin in reducing Mesomycoplasma ovipneumoniae infection without sustained clearance in domestic lambs	<u>Sobha Sonar</u> , Diane Bimczok, B. Tegner Jacobson, Stephen Smith, Jonathan Sago, Nathan Schaff, Eli Selong, Mckenna Quirk, Helen Schwantje	Disease therapeutics	1/20/25	3:15 PM	Chicago C
6	Srinivas	Marked neurotropism and potential adaptation of H5N1 clade 2.3.4.4.b virus in naturally infected domestic cats	<u>Surabhi Srinivas</u> , Shubhada Krishna Chothe, Sougat Misra, Noel Nalipogu, Elizabeth Gilbride, Lindsey LaBella, Swastidipa Mukherjee, Christian H Gauthier, Heidi Pecoraro, Brett T. Webb, James M. Pipas, Santhamani Ramasamy, Suresh V. Kuchipudi	Companion animal health 1	1/19/25	9:15 AM	Chicago A/B
206	Stapleton	Mind the gap: Persistent problems in the world of enteric zoonoses and how data could inform public health action	<u>G. Sean Stapleton</u> , Grace Vahey, Kate Varela, Katharine Benedict	Salmonella	1/21/25	8:45 AM	Chicago C

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228	Sterle	Co-vaccination of cattle with RB51 and BCG enhances the BCG-specific CD4+ T cell response	<u>Haley Sterle</u> , Ellie Putz, Steven Olsen, Paola Boggiatto	Vaccinology 2	1/21/25	9:45 AM	Chicago F/G
55	Sun	The effect of Clostridium perfringens intracellular bile acid levels and growth	Tahrir Alenezi, Bilal Alrubaye, Samar Algehani, Janashrit Shrestha, Rohana Liyanage Liyanage, <u>Xiaolun Sun</u>	Disease pathogenesis 1	1/19/25	11:00 AM	Chicago E
194	Suresh	Evaluating the efficacy of mannose conjugated chitosan nanoparticle-based Salmonella subunit vaccine in adult layer chickens	<u>Raksha Suresh</u> , Shekoni O Comfort, Sara Dolatyabi, Jennifer Schrock, Mithilesh Singh, Renukaradhya J Gourapura	Vaccinology 1	1/20/25	5:00 PM	Chicago F/G
121	Tang	A simple and fast reverse genetics system for porcine reproductive and respiratory syndrome virus and generation of transcription-reprogrammed virus	<u>Junyu Tang</u> , Dongwan Yoo	Porcine Reproductive and Respiratory Syndrome	1/20/25	10:30 AM	Chicago E
107	Tasnim	Genetic relatedness of beta-lactamase-producing Escherichia coli from different One Health sources.	<u>Yamima Tasnim</u> , Md. Kaiser Rahman, Babafela Awosile	One health / Public health 1	1/20/25	11:30 AM	Chicago A/B
150	Teddleton	Exploring differential metabolic responses in immune cells from naturally parasite-resistant sheep	<u>H.G. Teddleton</u> , A.D. Wise, A.J. Monteith, E. Shepherd	Immunology 1	1/20/25	2:45 PM	Chicago D
251	Thieulent	Equine arteritis virus hijacks the CXCL16/CXCR6 axis to infect Equine CD3+ T lymphocytes	<u>Come J. M. Thieulent</u> , Mariano Carossino, Udeni B. R. Balasuriya	Virology 3	1/21/25	11:00 AM	Chicago E
222	Thomasovich	Biomarker discovery in pregnant cattle infected with bovine viral diarrhea virus	<u>Heather Thomasovich</u> , Jon Beever, Ky Pohler, Michael Rivera Orsini, Andi Lear	Virology 2	1/21/25	9:45 AM	Chicago E
81	Thoresen	Pathogenicity of Tritrichomonas foetus following exposure to anti-TF1.17 produced via synthetic mRNA transfection	<u>Merrilee Thoresen</u> , Kenzie McAtee, Elmer Heath King, Daryll Vanover, Jae Yeon Joo, Hannah Peck, Philip John Santangelo, Amelia Woolums	Parasitology & Vaccinology	1/20/25	9:30 AM	Chicago C
254	Tomlinson	Chronic hepatitis in horses with equine hepacivirus infection	Mason C. Jager, Daniela Luethy, Thomas J. Divers, Gerlinde R. Van de Walle, <u>Joy E. Tomlinson</u>	Virology 3	1/21/25	11:45 AM	Chicago E
215	Tomlinson	Equine parvovirus-hepatitis infection in horse herds over four years	<u>Joy E. Tomlinson</u> , Gerlinde R. Van de Walle	Epidemiology 4	1/21/25	9:30 AM	Chicago D
20	Tran	Combining machine learning with H3 influenza A virus whole genome sequence data for host prediction	<u>Hoc Tran</u> , Olaf Berke, Nicole Ricker, Zvonimir Poljak	Epidemiology 1	1/19/25	9:45 AM	Chicago D

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155	Twu	Distribution of influenza and coronavirus receptors in the respiratory and intestinal tract of beef cattle	<u>N.C. Twu</u> , Y.C. Teoh, X. Cheng, R. Espín-Palazón, L. Gimenez-Lirola, R. Chowdhury, R.K. Nelli	Highly Pathogenic Avian Influenza in Cattle	1/20/25	2:30 PM	Chicago E
250	Twu	Susceptibility assessment of intestinal organoids from North American big brown bat to swine enteric coronavirus	<u>N.C. Twu</u> , R.K. Nelli, J.C. Mora-Diaz, L. Yen, A. Saxena, R.M. Ruden, P. Sitthicharoenchai, L. Gimenez-Lirola	Virology 3	1/21/25	10:45 AM	Chicago E
78	Vakamalla	Mapping the neutralizing epitopes of Shiga toxins	<u>Sai Simha Reddy Vakamalla</u> , Siqi Li, Aashwina Madhwal, Ipshita Upadhyay, Chongyang Zhang, Bedaso Edao, Weiping Zhang	Parasitology & Vaccinology	1/20/25	8:45 AM	Chicago C
50	Varga	Evaluating beef cattle producers' disease prevention knowledge, attitude, and practices in Illinois, USA	<u>Csaba Varga</u>	Epidemiology 2	1/19/25	11:15 AM	Chicago D
88	Vidlund	State-level geographic disparities and annual changes in milk somatic cell counts across the United States, 2011-2023	<u>Jessica Vidlund</u> , Agrícola Odoi, Chika C. Okafor	Epidemiology 3	1/20/25	9:45 AM	Chicago D
145	Viju	Therapeutic efficacy of linalool to reduce Salmonella Enteritidis and Campylobacter jejuni in market-age broiler chickens	<u>Leya Susan Viju</u> , Divya Joseph, Kumar Venkitanarayanan	Disease therapeutics	1/20/25	3:00 PM	Chicago C
131	Virgilio Fernandes	A novel CRISPR-prime editing strategy for single-nucleotide resolution mutations in Leptospira spp	<u>Luis Guilherme Virgilio Fernandes</u> , Camila Hamond, Bienvenido Tibbs-Cortes, Ellie Putz, Steven Olsen, Mitchell Palmer	Bacteriology 2	1/20/25	11:30 AM	Chicago F/G
246	Wang	Size distribution and viral load of influenza A virus-laden particles emitted from pigs over the course of infection	<u>Lan Wang</u> , José Morán, My Yang, Bernard Olson, Chris Hogan, Montserrat Torremorell	Swine influenza	1/21/25	11:15 AM	Chicago D
61	Wang	Use of an electrostatic precipitator to decrease airborne transmission of viruses in experimentally infected pigs	<u>Lan Wang</u> , José Morán, My Yang, Bernard Olson, Chris Hogan, Montserrat Torremorell	Biosecurity and infection control	1/19/25	11:00 AM	Chicago F/G
183	Wang	Mucosal immune responses to avian influenza virus in the Harderian gland of genetically distinct, highly inbred chicken lines	<u>Ying Wang</u> , Shenwe Gu, liqi An, Yuka Kusunoki, Susan J. Lamont, Rodrigo A. Gallardo, Hans H Cheng, Huaijun Zhou	Immunology 2	1/20/25	5:15 PM	Chicago D
256	Weaver	Epitope-optimized vaccine elicits cross-species immunity against Influenza A virus for potential pandemic protection	Erika Petro-Turnquist, Adthakorn Madapong, David Steffen, <u>Eric Weaver</u>	Vaccinology 3	1/21/25	10:45 AM	Chicago F/G
125	Weiderman	Decoding the spatial patterns of PRRS induced cell death	<u>Rachael Weiderman</u> , Franco Matias-Ferreya, Patricia Assato	Porcine Reproductive	1/20/25	11:30 AM	Chicago E

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			Anna Fritzon· Shristi Ghimire· Jurgen Richt· Laura Miller·	and Respiratory Syndrome			
138	Weninger	Exploring the intestinal colonization, antimicrobial sensitivity, and resistance gene profiles of Klebsiella in shelter dogs on Long Island, New York	<u>Rachel M Weninger</u> , Reta D Abdi	Antimicrobial resistance 2	1/20/25	2:45 PM	Chicago A/B
196	Whelan	USDA Salmonella vaccine reduces colonization and dissemination of serovar Enteritidis in chickens	<u>Samuel J. Whelan</u> , Bradley L. Bearson, Maya P.N. Encinosa, Durga P. Neupane, Shawn M.D. Bearson	Vaccinology 1	1/20/25	5:30 PM	Chicago F/G
137	White	Impact of commercial vaccination on the ecology and antimicrobial susceptibility testing of avian Escherichia coli in turkey production	<u>Lauren M. White</u> , Kari M. Mattison, Randall S. Singer, Timothy J. Johnson	Antimicrobial resistance 2	1/20/25	2:30 PM	Chicago A/B
149	Wilson	Immunological impacts following an in-utero BVDV exposure in post-weaning calves	<u>Alyssa M. N. Wilson</u> , Marc Caldwell, Korakrit Poonsuk, Nora L. Springer, Xiaocun Sun, Andrea S. Lear	Immunology 1	1/20/25	2:30 PM	Chicago D
258	Wilson	Vaccination with a Lawsonia intracellularis vaccine mitigated some disease parameters but failed to affect shedding	Alison Jeffery, Kezia R. Fourie· Dylan Chand, Pooja Choudhary, Siew Hon Ng, Haoming Liu· Donaldson Magloire· Zahed Khatooni, Emil Berberov, <u>Heather L. Wilson</u> ·	Vaccinology 3	1/21/25	11:15 AM	Chicago F/G
257	Wilson	Intrauterine vaccines using nanoparticles encapsulating antigens and adjuvants to make semen-friendly vaccine formulations	Pooja Choudhary, Ramin Mohammadi, Donaldson Magloire, Siew Hon Ng, Kezia R. Fourie, Zahed Khatooni, Haoming Liu, Azita Haddadi, <u>Heather L. Wilson</u>	Vaccinology 3	1/21/25	11:00 AM	Chicago F/G
79	Witola	Unique glycolytic enzymes as targets for novel anti-Cryptosporidium drugs in bovine calves	Md M. Mia, Abdur R. Azam, Akansha Singh, Jennifer M. Reinhart, Jozef Stec, <u>William H. Witola</u>	Parasitology & Vaccinology	1/20/25	9:00 AM	Chicago C
160	Yen	Characterization of segment-specific porcine enteroids and susceptibility to porcine epidemic diarrhea virus	<u>Lu Yen</u> , Rahul Kumar Nelli, Ning- Chieh Twu, Juan-Carlos Mora- Diaz, Gino Castillo, Panchan Sitthicharoenchai, Luis G. Gimenez-Lirola	Virology 1	1/20/25	2:15 PM	Chicago F/G
44	Yoon	Monitoring of various tick-borne viruses in ticks living in the Republic of Korea in 2024	<u>Junho Yoon</u> , Minjoo Yeom, Jongwoo Lim, Daesub Song	Tick-borne diseases	1/19/25	11:15 AM	Chicago C

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154	Young	Deploying an H5N1 vaccine in dairy - the leveraging of a USDA licensed platform	<u>Alan Young</u> , Sherry Glover, Bradley Gustafson, Amber Schueler, Ashley Petersen, Sara Erickson, Tom Halbur, Gary Anderson	Highly Pathogenic Avian Influenza in Cattle	1/20/25	2:15 PM	Chicago E
22	Young	Characterizing tight junction protein expression in the gastrointestinal tract of feedlot cattle	J. Daniel Young, Lee J. Pinnell, Cory Wolfe, Matthew A. Scott, Ty E. Lawrence, Joao P. Cavasin, John Ellis, Kendall Langsten, John T. Richeson, Paul S. Morley	General health and physiology	1/19/25	8:45 AM	Chicago E
171	Yuan	Comparison of immunogenicity among membrane-bound, secreted, and intracellular forms of viral capsid proteins	<u>Fangfeng Yuan</u> , Junru Cui, Jane Qin, Ju Hyeong Jeon, Renhuan Xu, Jianzhu Chen	African Swine Fever	1/20/25	5:15 PM	Chicago A/B
195	Zafar	Toward a cell-free Marek's disease vaccine	<u>Hafiz Sohaib Zafar</u> , Nagendra Prabhu Ponnuraj, Keith William Jarosinski	Vaccinology 1	1/20/25	5:15 PM	Chicago F/G
162	Zeller	Nextclade dataset for the rapid classification of Porcine Circovirus 2	Michael Zeller, Jennifer Chang, Rabsa Naseer, Giovani Trevisan, Phillip Gauger, Pablo Pineyro, Rodger Main	Virology 1	1/20/25	2:45 PM	Chicago F/G
243	Zeller	Detections of human seasonal H3N2 influenza A virus reverse-zoonoses in swine during the 2022-2024 influenza season	<u>Michael A. Zeller</u> , Daniel Carnevale de Almeida Moraes, Giovana Ciacci Zanella, Carine K. Souza, Tavis K. Anderson, Amy L. Baker, Phillip C. Gauger	Swine influenza	1/21/25	10:30 AM	Chicago D
255	Zhang	Heterologous prime-boost immunization of two-component PWDVax protected weaned pigs against F18 enterotoxigenic Escherichia coli (ETEC) post-weaning diarrhea (PWD)	<u>Chongyang Zhang</u> , Siqi Li, Ipshita Upadhyay, Sai Simha Reddy Vakamalla, Kathryn L. Lauder, Weiping Zhang, Chance Hansen, Courtney Hayes, Kristen Ann Massey, Nicole L. Herndon	Vaccinology 3	1/21/25	10:30 AM	Chicago F/G
59	Zia	Testing alternate biosecurity policy mechanisms to overcome moral hazard problem in indemnifying cattle producers	<u>Asim Zia</u> , Richmond Baye, Scott Merrill, Eric Clark, Jackson Dean, Samuel Rosenblatt, Nick Cheney, Laurent Hebert-Dufresne, Julie Smith	Biosecurity and infection control	1/19/25	10:30 AM	Chicago F/G
21	Ziegler	Organ-dependent intestinal barrier restitution is impaired by prebiotics	Courtney Deck, Madison Caldwell, Elizabeth Rose, Jack Odle, Laurianne Van Landeghem,	General health and physiology	1/19/25	8:30 AM	Chicago E

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			Anthony Bliklager, <u>Amanda Ziegler</u>				