

CRWAD 2026 POSTER PRESENTATIONS

The onsite Poster Session will be held on **Monday, January 19th, 2026 from 6:00 pm – 8:00 pm** at the Chicago Marriott Downtown Magnificent Mile. All poster presenters are required to be in attendance during all the Poster Session.

Posters must be no larger than 3 feet wide and 4 feet tall. ***The poster must be oriented vertically.*** Please review the [POSTER PRESENTATION GUIDELINES](#) to ensure compliance with the formatting requirements. Posters not meeting these requirements will be rejected for display onsite.

***Bolded text** represents the presenting author

African Swine Fever	
P2	Protective antigens of African swine fever virus epidemic strain Georgia-07. H. Chambaro , J. Osei-Bonsu, S. Khatiwada, G. Delhon, and D. L. Rock
P3	Partnership: Systematic screening of ASFV proteome for identification of immunogenic antigens. H. Luong, H. Lai, L. Truong, T. Nguyen, H. D. Vu, H. Nguyen, L. Nguyen, T. Pham, D. S. McVey, and H. L. X. Vu
P4	Thermal inactivation of African swine fever virus in swine slurry. A. Macdonald , A. Ambagala, O. P. Soladoye, J. Rempel, and C. Narvaez-Bravo

Antimicrobial Use	
P5	Developing a data management system to support accurate, reproducible, and actionable analysis of antimicrobial use and phenotypic and genotypic resistance data from swine farms. P. Ferm , R. Edler, and N. Noyes
P7	Monoglyceride blend ameliorates intestinal barrier in weaned piglets through the modulation of intercellular adhesion in gut epithelium. R. Pogranichny , D. Masiuk, and V. Nedzvetsky
P8	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. T. N. Gaire , J. Young, G. Diaz Ortiz, M. Meneguzzi, V. Lugo Mesa, A. Yasir, Y. Deng, K. Culhane, A. Cheeseman, C. Mitchell, S. May, M. Schwartz, R. Singer, M. Pieters, N. Noyes
P9	An engineered probiotic platform with enhanced therapeutic release toward pathogen targeting. I. Y. Choi , L. M. Alexander, H. Choi, J.-H. Oh, and J. P. van Pijkeren
P11	Good bugs vs. superbugs: Next-generation probiotics to fight <i>Staphylococcal</i> infections. R. Rios and Y. A. Helmy
P12	Actionable steps toward advancing antimicrobial stewardship on the dairy farm: Using a training program for improving early and accurate disease detection in dairy cattle by farm workers. R. Pereira , G. Habing, A. Garzon, R. Portillo, N. Silva-del-Rio, and B. Karle

Aquaculture	
P14	Use of the invertebrate model <i>Galleria mellonella</i> to assess the role of the sialidase degradation pathway in the virulence of <i>Mycoplasma alligatoris</i>. M. A. Burne and B. M. Brown
P15	Food-grade biomaterials-based microneedles for fish vaccination in aquaculture. M. Li , G. Wiens, and B. Marelli

P17	A One Health investigation of bacterial hazards in shrimp sold across Cameroon. E. G. Kougang, A. Wade, G. Teuboube, T. B. K. Settypalli, and C. E. Lamien
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Bacteriology	
P18	Phenotypic and genotypic characterization of <i>Staphylococcus saprophyticus</i> from dairy farms in the United States. R. O. Adesola, T. Gull, and P. R. F. Adkins
P19	Geographic virulence factors may contribute to <i>Mycobacterium bovis</i> pathogenicity. N. Foster, H. Y. Azami, and L. Salvador
P20	Quorum sensing-mediated regulation of RaS-RiPP biosynthesis across diverse <i>Streptococcus</i> species. K. Alharbi, L. Thompson, and B. Rued
P21	Evidence of <i>Leptospira</i> infection in the reproductive tracts of female cull cattle. M. Gorman, L. Smith, and S. Rajeev
P22	Evaluation of the antimicrobial activity of clove bud oil and cinnamaldehyde against major liver abscess-causing bacterial pathogens in cattle. H. A. Alneaemy, H. W. Wang, R. A. Amachawadi, H. S. Salih, and T. G. Nagaraja
P23	Effect of segmented filamentous bacteria oral treatment on intestinal integrity in chickens. J. Rodriguez-Gallegos and M. Mellata

Bovine Respiratory Disease	
P24	Developing a diagnostic tool for bovine respiratory syncytial virus infection through near-infrared spectroscopy. E. Blanchard, G. Beddingfield, J. Muncan, C. Barber, K. McAtee, S. Cornejo, M. Thoresen, F. Meyer, A. Woolums, and C. Vance
P25	From thymic injury to TCR diversity: Defining BVDV's lasting impact on calf immunity. F. Bauermann, S. Falkenberg, R. Nobre da Fonseca, and M. Maggioli
P26	Diversity in antimicrobial resistance patterns between two sampling time points in feedlot calves and yearlings for important bovine respiratory pathogens. D. Ramsay, A. Butters, T. Funk, K. Strong, and S. Gow
P27	Shotgun metagenomics characterizes consequences of disease and management practices in backgrounded beef cattle. B. Ramirez, H. McAllister, S. Capik, K. Harvey, R. Valeris-Chacin, A. Woolums, L. Pinnell, B. Karisch, P. Morley, and M. Scott
P28	A comparison of AVITI and Ultima Genomics platforms for metagenomic profiling of bovine nasal and fecal samples. B. Nyokabi, C. Wolf, D. Burk, A. Woolums, F. Meyer, F. Hoffmann, P. Davies, J. Ellis, M. Scott, J. Neary, P. Morley, and N. Noyes
P29	Lung ultrasound image scoring in bovine neonatology. A. Abreu, S. Buczinski, V. Gomes, G. Fregolon, and J. Cajueiro
P30	Development of prototype single-cycle vaccines for bovine respiratory syncytial virus. J. Murugesan, L. S. Barcelos, M. I. Frühauf, F. V. Bauermann, A. G. P. Oomens, and M. F. Maggioli
P31	Virucidal, antiviral, and immunomodulatory effects of flavonoids tiliroside, quercetin, and kaempferol against bovine viral diarrhea virus. R. N. Fonseca, M. F. Maggioli, S. O. Hubner, D. A. Lourenço, and F. V. Bauermann
P32	Addition of probiotic to a feedlot diet alters the upper respiratory tract microbiome in feedlot steers. T. G. McDaneld, C. G. Chitko-McKown, L. A. Kuehn, and K. A. Bryan

P33	Haptoglobin concentration after lipopolysaccharide treatment in cattle fed diets with or without probiotics. C. G. Chitko-McKown, T. G. McDaneld, L. A. Kuehn, and K. A. Bryan
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Brucellosis	
P36	Latent class model analysis of diagnostic tests in the absence of a gold standard for the diagnosis of brucellosis in livestock in Costa Rica. D. Areda and R. M. Castillo
P37	Development of laboratory diagnostic assays for <i>Brucella ceti</i> in stranded Hawaiian cetaceans. A. Pawlowski, A. Mijares, P. Larkin, A. Nims, E. Phillips, and J. Jacob
P38	Evaluation of brucellosis surveillance and intersectoral collaboration in Georgia: A One Health approach. N. Kartskhia, L. Ninidze, T. Chaligava, L. Sanodze, M. Broladze, I. Menteshashvili, and M. Donduashvili

Companion Animal Health	
P39	Antiviral and virucidal potential of flavonoids against canine herpesvirus, adenovirus, and distemper virus. R. N. Fonseca, F. S. Kremer, S. O. Hubner, M. F. Maggioli, and F. V. Bauermann
P40	A repeat cross-sectional/pseudo-longitudinal study of leptospiral prevalence in shelter dogs. S. Boukobza, S. Saharan, R. Lockwood, A. Cruz, M. Gutierrez, H. Green, C. LeRoy, T. Pulliam, J. Banach, L. Wisniewski, D. Patnayak, H. Naikare, C. Jones, J. Morgan, A. Verma
P41	Barriers to nutrition communication in small animal practice. J. O'Brien, S. Wenzel, and M. Shepherd
P42	Dogs with canine dysautonomia have altered fecal microbiome and enteric pathogen toxin genes. M. Rafiee, A. Doherty, B. Dominguez, K. Harkin, and J. Fox
P43	Total trihalomethanes in drinking water are not associated with an increase in bladder cancer test positivity in dogs. J. O'Brien, L. Trepanier, and A. Rupple
P44	A systematic review of factors associated with longevity in companion dogs. J. O'Brien, C. L. Sexton, A. McCullough, and A. Rupple
P45	Lack of online price transparency of small animal veterinary clinics within the United States. A. Adams, A. Gilley, V. Morris, and L. Wisniewski

Coronaviruses (other than COVID)	
P46	Porcine deltacoronavirus-related viruses in house sparrows. D. Li, J. Xu, E. M. Ames, M. Liu, B. Aryal, M. Chellis, R. Zegpi Lagos, C. M. Tonra, and Q. Wang
P47	Investigation of antigenic characterization of highly pathogenic porcine epidemic diarrhea virus isolates. D. Lee and C. Lee
P49	Bovine coronavirus: Identification of new characteristics. H. Cho, M. Park, J. Song, S. Cho, and K. Choi

Diagnostic Testing	
P50	Evaluation of a novel point-of-use isothermal diagnostic tool, the HyperKit, for rapid detection and quantification of <i>Salmonella</i> in poultry samples. A. Sathish Kumar, R. Shrestha, L. Deblais, and G. Rajashekara

P51	Improving diagnostics for SARS-CoV2 transmission amongst white-tailed deer. S. Seibel, L. LaBella, S. Ramasamy, E. Ganda, and S. Kuchipudi
P52	Development of monoclonal antibodies against SARS-CoV-2: Construction of chimeric neutralizing antibodies for therapeutic applications. A. Naru, C. Chen, F. Yuan, G. Lindsey, M. Nooruzzaman, V. R. Mareddy, N. Hernandez, A. P. Mehta, D. G. Diel, and Y. Fang
P53	Species-specific genetic markers for <i>Listeria</i> identified through pangenome and core genome analyses. V. Osei, E. Kuufire, R. Nyarku, K. Bentum, T. Samuel, and W. Abebe
P54	Genome-resolved metagenomics uncovers the prevalence of novel treponemes in free-ranging elk (<i>Cervus canadensis</i>) hooves with and without <i>Treponema</i>-associated hoof disease (TAHD). S. Deb, M. Wld, and D. Shah

Disease Pathogenesis	
P56	Molecular insights into liver abscess pathogenesis through transcriptomic analysis of jejunum and liver in feedlot steers. M. A. Pereira Muñoz, C. Strieder-Barboza, and O. J. Benitez
P57	<i>Campylobacter hepaticus</i> transcriptomics identified the genes involved in the spotty liver disease (SLD) pathogenesis. V. Bommineni, L. K. Edison, C. Gottapu, G. D. Butcher, and S. Kariyawasam
P58	Establishment of turkey and chicken respiratory cell culture model for the isolation and propagation of avian metapneumovirus subgroup B. T. Serrao, S. Jangra, M. Selim, M. Luqman, S. Mor, and R. S. Kaushik
P59	Pan-genome-wide association study of <i>Avibacterium paragallinarum</i>. O. Aminu, S. Mostafa, E. Gadu, H. Amro, Y. Sato, T. Mortimer, and M. El-Gazzar
P60	Modulation of intestinal barrier integrity by bacterial and viral ligands in polarized porcine epithelial cells. S. Gundarapu, H. Tummala, and R. S. Kaushik

Epidemiology	
P61	Role of environmental mycobacteria on the efficacy of the BCG vaccine against bovine tuberculosis. S. González Ruiz, Y. Contreras Magallanes, I. Bárcenas Reyes, S. Sosa Gallegos, M. Santillán Flores, and F. Milián Suazo
P62	A guinea pig model evaluating the potency and safety of the BCG vaccine. S. Kim, S. González-Ruiz, I. Bárcenas-Reyes, F. Leao-Rodríguez, S. Sosa-Gallegos, S. Flores-Villalva, and F. Milián-Suazo
P67	West Nile virus surveillance in Georgia, 2024–2025. T. Chaligava, V. Basiladze, I. Menteshashvili, A. Gulbani, and M. Donduashvili
P68	Epidemiological and genetic evaluation of equine metabolic syndrome in Arabian horses and their subgroups. E. Norton, J. Hesser, and A. Johnston
P69	Comparison of target-enriched resistomes from swine manure pit samples. N. Noyes, M. Melini, S. May, C. Mitchell, P. Ferm, and C. Corzo
P70	Decay of chronic wasting disease prion detection at infectious deer carcass sites. M. L. J. Gilbertson, H. N. Inzalaco, H. Sykes, A. Groves, D. J. Storm, A. Herbst, and W. C. Turner
P71	A cryptic concern: <i>In situ</i> surveillance of <i>Cryptosporidium serpentis</i> in snakes of Killdeer Plains Wildlife Area. V. Williams, M. Ohler, M. Kurtz, D. DeFoor, P. Dennis, E. Wyza, D. Wynn, D. De Luca, and K. Krynak

P73	Demography and bovine tuberculosis persistence in deer: An age- and sex-structured model. A. E. Maxwell, S. Bugalia, M. Cosgrove, and L. Salvador
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General Health and Physiology	
P75	Transcriptomic evaluation of dietary xylo-oligosaccharides derived from sorghum stover on gastrointestinal health in dairy calves. A. Beimer, K. Rajan, V. Machado, R. Broadway, M. Ballou, A. Chakkalakal, and O. Benitez
P76	The effects of volatile organic compounds in wildfire smoke on lactating dairy cows. A. Pace, N. A. C. Johnston, A. Anderson, C. Sia, D. D. Miller, M. Larson, K. M. Mirkin, P. Villamediana, and A. L. Skibieli
P77	Describing management risk factors associated with youngstock health, welfare, and performance on organic dairy farms. C. Burner, S. Godden, L. Caixeta, W. Knauer, J. Barlow, J. Lombard, V. Machado, C. McConnel, and N. Noyes
P78	Lung immunophenotype and lung and immune function in dairy heifer calves in the weeks following wildfire-PM_{2.5} exposure. D. Sarantopoulos, J. Cruickshank, S. Lepiane, M. Kamyabi, A. Pace, J. Ranches, D. Konetchy, P. Rezamand, and A. Skibieli
P79	Effect of lauric acid and microencapsulated zinc oxide on nursery pig performance and intestinal integrity. S. D. Gerrard, A. J. Shafron, and C. P. Najt
P80	Efficient pig posture recognition using the Segment Anything Model (SAM) and YOLOv8n-seg for enhanced farm management. M. Okayasu and Y. Sasaki
P81	Gut microbiota-mediated remodeling of postpartum inflammation in dairy cows. D. G. Puerres Narvaez, L. Das, N. Taechachokevivat, R. C. Neves, and I. B. Slizovskiy

Immunology	
P82	Sexual dimorphism in metabolic responses to influenza vaccination in a mouse model of diet-induced obesity. S. Pantha, S. Vijaykumar, S. Budha Magar, B. Wolfe, and S. Dhakal
P83	Swine influenza A infection-induced antibody responses to homologous H1N2 (clade 1B2.2) and heterologous H1N1 (clade 1A.3.3.2) virus. L. Flores, B. Kaplan, A. Baker, and M. Wymore Brand
P84	A spatial transcriptomic evaluation of vaccine-associated enhanced respiratory disease (VAERD) in porcine. J. Kincade, W. Gu, L. Touchard, S. Jungy Ibna Karim, Y. Huang, T. Kwon, J. Richt, W. Warren, and J. Driver
P85	Binding of bovine WC1 $\gamma\delta$ T-cell co-receptor/PRR SRCR domains to <i>Mycobacteria</i> spp. E. Mustapha, L. Nguyen, O. Attridge, M. Gil, L. Poirier, A. Bairos, H. Hsu, C. L. Baldwin, and J. C. Telfer
P86	Transcriptomic profiling of equine myometrium identifies immune networks underlying placentitis-induced activation. R. Hutchinson, K. Scoggin, T. Stout, M. Troedsson, and H. El-Sheikh Ali
P87	Multimeric mRNA vaccine for broad protection against rheumatic heart disease. S. Singh, K. Mone, N. Lasrado, D. Barouch, and J. Reddy
P88	Single-cell RNA sequencing of bovine PBMCs to characterize immune dysfunction associated with bovine leukemia virus infection. T. F. Scull, C. Strieder-Barboza, and O. J. Benitez
P89	Advancing snRNA-seq applications in adipose biology through optimized nuclei isolation. G. A. Contreras, M. Chirivi, L. Terrian, J. Thompson, R. Nault, and S. W. Watts

P90	Evaluating the impact of <i>Aspergillus oryzae</i> postbiotic on immune development and gut health in calves during weaning. M. Mancheno-Valarezo, T. Fernandez-Wallace, Y. Lee, M. Cid de la Paz, I. Ipharraguerre, and L. R. Cangiano
P91	Effects of <i>Saccharomyces cerevisiae boulardii</i> CNCM I-1079 supplementation on the immune function of dairy cows during the periparturient period. T. Fernandez Wallace, M. Boerefyn, S. Jantzi, K. Dekraker, A. Pineda, C. Villot, S. K. Kvidera, M. A. Steele, and L. R. Cangiano
P92	Development and characterization of bison respiratory epithelial and non-epithelial cell cultures for studying the innate immunity and disease pathogenesis. P. Naduvathu, M. Hildreth, J. Martin, and R. Kaushik
P94	Investigation of the neuroinflammatory response in horses with selected neurologic diseases. J. Soto, I. de Assis Rocha, A. Graves, J. Morrow, J. Janes, R. Ruby, K. Scoggin, A. Johnson, K. Orr, S. Reed, G. Hussey, L. Goehring, B. Carvalho Menarim, and D. Howe
P95	A novel oral immunotherapeutic approach: Anti-Fel d 1 hagfish antibodies for reducing human allergy to cats. A. Randolph, C. Kim, N. Park, T. S. Jung, and K. S. Seo
P96	The development of antigen-specific regulatory T cells in autoimmune myocarditis. K. Murphy, Y. F. Hung, Y. Liu, and T. Won
P97	Defining chicken host responses to spotty liver disease. V. Bommineni, L. K. Edison, C. Gottapu, G. D. Butcher, and S. Kariyawasam

Mastitis	
P98	Effects of systemic inflammation in postpartum dairy cattle on performance and immune function during an intramammary <i>Streptococcus uberis</i> challenge. T. H. Swartz, A. Celemin Sarmiento, M. Bulnes-Larsen, S. Lawson, and C. Chase
P99	Whole genome sequencing of <i>Staphylococcus chromogenes</i> causing persistent intramammary infections reveals limited associations between genotype and mastitis phenotype in a longitudinal observational study of cattle from 10 dairy herds. C. E. Jeffrey, P. R. F. Adkins, A. Chakrawarti, and J. W. Barlow
P100	Effects of dietary supplementation of <i>Bacillus subtilis</i> PB6 to mid-lactation cows on local inflammatory responses during an intramammary lipopolysaccharide challenge. M. Bulnes-Larsen, T. H. Swartz, O. Reyes, H. L. Reisinger, A. Celemin-Sarmiento, L. K. Mamedova, I. E. Brown-Crowder, J. E. Hergenreder, and B. J. Bradford
P101	Efficacy of soluble epoxide hydrolase inhibition on modulating clinical disease severity in experimental bovine coliform mastitis. V. Mavangira, J. Wilson, A. Vander Plaats, and P. J. Gorden
P102	Evaluation of induced <i>Staphylococcus chromogenes</i> intramammary infections in dairy heifers. S. Walton and P. Adkins

One Health & Public Health	
P103	Persistence and infectivity of Seneca virus A and porcine epidemic diarrhea virus in houseflies (<i>Musca domestica</i>). N. H. Okah-Nnane, R. Nobre da Fonseca, J. Cammack, W. Hoback, M. Maggioli, and F. Bauermann

P104	Avian influenza: Multi-disciplinary approaches to educating small-scale poultry owners. G. Vinci Roberto, J. Hüttl, C. Mull, J. Pell, J. P. Pietrowski, E. Perrault, C. R. Stierwalt, D. M. Karcher, A. P. Hopkins, G. Lossie, I. Lechner, and W. Beauvais
P105	Foodborne zoonotic bacterial diseases from animal-origin foods: Knowledge, practices, and health-economic burden in Northern Ethiopia. K. Wondimagegnehu, D. Habte, M. Addisu, L. Yizengaw, H. Y. Yesiga, A. Tafere, N. Teshager, A. Belaineh, H. Yalew, Y. Simeneh, and D. Areda
P106	Evaluation of the variability of per- and polyfluoroalkyl substances serum concentrations in beef cattle. M. Van Winkle, F. Cullens-Nobis, J. Jaborek, D. Jones, C. Murphy, and A. Abuelo
P107	Emerging insights on leptospirosis from Central Appalachia and their broader national implications. S. Boukobza, C. Ebert, R. Lockwood, J. Morgan, S. Kitts-Morgan, K. Gruszynski, L. Brandt, and A. Verma,
P108	Seasonality of antimicrobial resistance genes in community wastewater (a systematic review study). C. Adegbale, M. Goldman, C. Huang, J. Bengtsson-Palme, L. P. Coelho, and R. Smith
P111	One Health systems-thinking approaches to understand interrelationships among factors influencing the spread of antimicrobial resistance: A scoping review of current approaches. M. A. H. Zihadi, H. Rodriguez-Mori, and T. Gaire
P112	Evaluating hepatic metabolic dysregulation during hyperglycemia in a chicken embryo model of gestational diabetes mellitus. S. Bobby, J. Joseph, and M. S. Muiyarakandy
P113	Serological evidence of leptospiral infection in sheep from East Tennessee. C. Ebert, K. Garrett, S. Boukobza, A. Cruz, S. Sarkar, P. Morris, V. Morris, and A. Verma
P114	Wild encounters: Characterizing the frequency and nature of human interactions with peridomestic species, Minnesota State Fair, 2024. A. L. Grzybowski, M. J. Firestone, and J. B. Bender
P115	Characterizing viral receptor gene diversity in white-tailed deer (<i>Odocoileus virginianus</i>). J. Eckery, H. Cluett, K. Ward, J. Chandler, and B. Bisha
P117	Characterization of biosecurity practices among swine producers in Puerto Rico. J. P. Mateus, K. E. Flaherty, and A. G. Arruda

Parasitology	
P118	Unique glycolytic enzymes as targets for novel anti-<i>Cryptosporidium</i> drugs in bovine calves. M. M. Mia, A. R. Azam, J. M. Reinhart, J. Stec, and W. H. Witola
P119	Detection of β-tubulin resistance alleles in Alabama and Georgia isolates of <i>Ancylostoma caninum</i> using a novel qPCR assay. T. A. Quintana, A. Roth, J. M. Butler, I. A. Black, C. Carrico, M. Wills, and J. R. J. Jesudoss Chelladurai
P120	Uncovering the role of a <i>Cryptosporidium parvum</i> thrombospondin protein in macrogamont development. Z. Reynolds and S. Vinayak Alam
P121	Assessment of the seroprevalence of <i>Toxoplasma gondii</i> in healthy and neurologic horses from diverse geographic locations. B. Shirah, I. De Assis Rocha, H. Gravatte, A. Graves, J. Morrow, H. Kerber, S. E. I. Bedoya, H. El-Sheikh Ali, F. Li, A. Adams, R. Ruby, J. Janes, A. Johnson, S. Reed, D. K. Howe

Pathogenic <i>E. coli</i>	
P122	Evaluation of antimicrobial peptides as alternatives to antibiotics for controlling avian pathogenic <i>Escherichia coli</i> in poultry. L. Dhanashree, K. Starr, M. Bhandari, J. Polestar, J. Fuchs, P. Shrestha, and G. Rajashekara

P123	Potential therapeutics: Small-molecule quorum-sensing inhibitors for extra-intestinal pathogenic <i>Escherichia coli</i>. A. Thenissery, R. Shrestha , O. R. Ayinde, K. Galgozy, L. Okyere, C. A. Gaulke, J. R. Fuchs, and G. Rajashekara
P124	Genomic markers differentiating Shiga toxin-producing <i>Escherichia coli</i> using pangenome and phylogenetic analyses. A. Elrefaey , K. E. Bentum, E. Kuufire, T. James, R. Nyarku, V. Osei, S. Temesgen, and W. Abebe
P125	Genomic characterization of <i>Escherichia coli</i> from ruminants: An examination of diversity, virulence, and antimicrobial resistance patterns. F. W. Kadzviti , Y. Soku, and A. Mohamed
P126	Comparative genomic analysis of <i>Escherichia coli</i> from liver abscesses and ruminal epithelial tissues of feedlot cattle. T. Venkatesan , R. G. Amachawadi, H. Salih, and T. G. Nagaraja
P127	Longitudinal metagenomic insights into diversity and temporal prevalence of <i>E. coli</i> virulence genes in the gut of pastured goats. E. Ndegwa , C. Kim, and I. Mohamadu
P128	Intramuscularly administered combined acellular vaccine candidate SecVax prevented <i>Vibrio cholerae</i> O1 El Tor and ETEC H10407 intestinal colonization in an adult rabbit colonization model. C. Zhang and W. Zhang
P129	Developing a vaccine against spotty liver disease caused by <i>Campylobacter hepaticus</i> in commercial layer chickens. S. Kariyawasam , C. Gottapu, L. Edison, T. Denagamage, and G. Butcher
P130	Model systems to study Shiga toxin-producing <i>Escherichia coli</i> interactions with the bovine gastrointestinal tract. I. T. Kudva
P131	The carbon starvation-inducible lipoprotein (Slp) influences differential adherence of <i>Escherichia coli</i> O157:H7 at the bovine rectoanal junction. I. T. Kudva , E. N. Biernbaum, E. D. Cassmann, M. V. Palmer, L. K. Edison, J. Castellanos-Gell, and S. Kariyawasam

PRRSV	
P133	Sex-dependent hypothalamic responses to gestational porcine reproductive and respiratory syndrome virus (PRRSV). G. R. Sunderland , B. R. Southey, and S. L. Rodriguez Zas
P134	Determinants of porcine reproductive and respiratory syndrome virus tropism. K. Durazo-Martínez, S. Kumari, H. Luong, and H. Vu
P135	Replication of rescued porcine circovirus type 3 (PCV3) in pigs. W. Fang, M.-T. Islam, A. Pillatzki, A. Arjarqua ¹ , and S. Ramamorthy
P136	A conserved tyrosine-based endocytic signal in PRRSV glycoprotein 3 directs its intracellular trafficking and promotes viral replication. J. Tang , H. Vu, and D. Yoo

Salmonella	
P137	Association of major liver abscess pathogens' prevalence and load with liver abscess severity in feedlot cattle. M. Abbasi , R. A. Wilson, K. N. Schneid, X. Shi, L. A. George, R. G. Amachawadi, D. R. Woerner, K. L. Samuelson, T. E. Lawrence, and T. G. Nagaraja

P138	Microbiota modulation in chickens influences <i>Salmonella</i> colonization and host cecal gene expression. T. Looft, M. S. Monson, and C. L. Wickware
P139	Detection of <i>Salmonella enterica</i> across the beef production chain with digital qPCR. E. P. Dudley, K. R. Lamsal, M. A. Scott, A. R. Woolums, B. B. Karisch, K. M. Harvey, S. F. Capik, V. N. Gouvêa, and R. Valeris Chacin
P140	Genomic analysis of <i>Salmonella</i> Dublin from bovine clinical cases: Insights from the NAHLN AMR program (2019–2024). S. Burciaga, C. M. Loiacono, and J. A. Hicks
P141	Prevalence of <i>Salmonella enterica</i> in feces and lymph nodes of beef-on-dairy finisher cattle. H. B. Sridhar, R. G. Amachawadi, H. Wang, R. Wilson, S. N. Dasari, D. R. Woerner, and T. G. Nagaraja
P142	Phage therapy as a promising approach against multidrug-resistant <i>Salmonella</i>. N. Abdelkader and Y. Helmy
P143	Comparative analysis of AMR determinants and phylogenetic relationship of <i>Salmonella</i> Typhimurium isolates from humans and cattle. S. U. K. Bahadur, N. J. Nealon, M. Salman, J. Daniels, M. U. Zaheer, and S. Rao
P144	Age difference in T-cell proliferation dynamics in cattle following <i>Salmonella</i> Dublin stimulation. R. Castro-Vargas and A. Abuelo
P145	Evaluation of the antibiotic potentiation ability of phytochemicals against <i>Salmonella</i> Typhimurium and ESBL <i>E. coli</i>. J. Joseph, S. Boby, and S. Muiyarakandy
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