

	Presenter Abstract #	Salon II (7th) Title	Presenter Abstract #	Chicago A/B (5th) Title	Presenter Abstract #	Chicago C (5th) Title	Presenter Abstract #	Chicago D (5th) Title	Presenter Abstract #	Chicago E (5th) Title	Presenter Abstract #	Chicago F/G (5th) Title
Time:	Session 13	CRWAD Council Keynote and Special Symposium		CRWAD Council Keynotes and Special Symposium		CRWAD Council Keynotes and Special Symposium		CRWAD Council Keynotes and Special Symposium		CRWAD Council Keynotes and Special Symposium		CRWAD Council Keynotes and Special Symposium
1:30 PM		Opening Remarks & Introduction of Fellows										
2:00 PM		CRWAD Keynote										
2:15		Dr. Qijing Zhang										
2:30		"The Dark Alliance: Co-evolution of Antimicrobial Resistance and Bacterial Virulence"										
2:45		65										
3:00		CRWAD Special Symposium		Dr. Cesar De La Fuente								
3:15				"Accelerating Antibiotic Discovery Using AI"								
3:30		66										
3:45 to 4:15												
Time:	Session 14	CRWAD Special Symposium		CRWAD Special Symposium		CRWAD Special Symposium		CRWAD Special Symposium		CRWAD Special Symposium		CRWAD Special Symposium
4:15 PM		CRWAD Special Symposium	Dr. Beatriz Martinez Lopez									
4:30			"Advances in Artificial Intelligence for Population Medicine and Disease Dynamics: Current Progress and Future Opportunities"									
4:45		67										
5:00		CRWAD Special Symposium	Dr. Brad White									
5:15			"Integrating AI in Animal Health Research and Graduate Education: Challenges and Opportunities"									
5:30		68										
5:45 to 6:15			Panel Discussion									

CRWAD Featured Presentations Located in Salon II

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Time	Session 15	ACVM Symposium	Session 16	One Health & Public Health 1	Session 17	Artificial Intelligence & Data Analytics	Session 18	Immunology 1	Session 19	Virology 1	Session 20	Disease Pathogenesis - Avian	Session 21	Tick-borne diseases		
Monday	8:30 am	Dr. Yung-Fu Chang	I Agrawal	Strengthening food and mouth disease preparedness in Puerto Rico	G. Anil	Random forest imputation is less biased than other imputation methods when capturing antimicrobial resistance trends over time	J.O. Sunyer	Induction of secondary and tertiary lymphoid microstructures in fish	V Bamring	Divergent porcine astrovirus 4: Distinct respiratory and gastrointestinal genetic clades	S. Mainali	Clostridium perfringens metabolized chicken bile reduces Clostridium perfringens virulence	F. L. Crosby	Infection with four geographically distant isolates of Anaplasma marginale in two-year-old heifers caused a severe form of bovine anaplasmosis		
			71		77		83		89		95		101			
	8:45	"Molecular Characterization of a Virulence Factor, Lig Protein"	C. A. Snyder	Neuraminidase-mediated antibody immunity against highly pathogenic avian influenza H5N1 in humans with occupational exposure to swine.	M. Curlee	Spatiotemporal analysis of highly pathogenic avian influenza A (H5N1) occurrence in wild birds in the United States, 2021-2025	A.C. Calhoun	Exploring and exploiting immune priming and its specificity in Eastern oysters, Crassostrea virginica	Q. Wang	Mutations in the macrodomain 1 of NSP3 attenuate PEDV virulence in vivo without impairing in vitro replication	D. Yeboah	Developing bile acid metabolizing enzyme expression system.	M. Tawana	Farmers' perception and attitudes towards tick control strategies in communal areas at Eastern Cape province, South Africa.		
			72		78		84		90		96		102			
	9:00	69	S Ramasamy	Influenza D virus at the wildlife-livestock interface: emerging cross-species dynamics	S Dey	ASTRAvM (AI-guided Structural Assembly of Multi-Epitope Vaccines) Against Infectious Bronchitis Virus	Karin E. R. Borba	Nebulized mRNA encoding an anti-vp4A monoclonal antibody provides partial protection from Rhodococcus equi	B. Igriczi	Prevalence estimation and phylogenetic analysis of porcine rotavirus C in Hungarian pig herds	M. Parcells	The effect of exosomes from tumor-bearing chickens (TEX) on innate immune signaling	S. Madesh	Dual RNA-based tools reveal the transcriptomic landscape of <i>Escherichia coli</i> during macrophage infection		
			73		79		85		91		97		103			
	9:15	Dr. Eric R. Burrough	R.L. Smith	Tick-borne Diseases in Illinois: A One Health Analysis	Sara C. Sequiera	Assessing connectivity and biosecurity compliance of personnel and vehicles among a Spanish poultry production system	K.E.R. Borba	A novel polymeric carrier improves transfection of foals nebulized with mRNA encoding a monoclonal antibody targeting the pulmonary pathogen Rhodococcus equi	L. Dénes	Prevalence and genetic characterization of porcine rotavirus B in Hungarian pig farms	J. Shrestha	The role of chuA on <i>Campylobacter jejuni</i> responding to bile acid 7β, cholic acid	P. V. Pietrantonio	Towards novel acaricide development against cattle fever tick: transcriptomic and GPCR localization with labeled neuropeptides		
			74		80		86		92		98		104			
	9:30	"Brachyspira spp. Infections in Animals"	H. Brake	Understanding Public Knowledge, Attitudes, and Practices Towards Parasite Exposure in Michigan Communities with and without Known Environmental Contamination	J.S. Dean	Planners, Balancers, and Drifters: a forward induction approach to understanding learning archetypes in biosecurity decision-making	R. L. Klein	Intestinal immune responses in foals to enteral immunization with live virulent Rhodococcus equi	M. Frias Harrigue	The association of Rotavirus species with gastrointestinal and respiratory illness in weaning and weaned pigs under field conditions.	S. Al Gehani	Identifying <i>Clostridium perfringens</i> genes responding to bile acids using mariner-based mutants	N. Nyangiwe	Habitat characteristics and tick diversity: A focus on invasive tick, <i>Brachyspira microplus</i> (Acari: Ixodidae) impacting cattle production in the Eastern Cape Province, South Africa		
			75		81		87		93		99		105			
	9:45	70	A. Cheemadan	Proof-of-concept: Engineered <i>E. coli</i> Nissle 1917 to stably express barnase/barnase 2 (C27L endonuclease targeted and sustained treatment of <i>Clostridium difficile</i> infection.	K. H. Hazlett	Beyond the flavor: shotgun metagenomics for functional insights and MAG recovery in bovine liver abscesses	Weihong Gu	Analysis of porcine γ ₁ & γ ₂ delta; thymocyte development using a new single cell & gamma; and & delta; chain TCR profiling assay	Weronika Rybkowska	Prevalence of Rotavirus A and C in Polish Pig Herds	S. Al Gehani	Evaluating components of <i>Lactobacillus johnsonii</i> metabolized chicken bile against <i>Clostridium perfringens</i> growth	T. Sako	Shifts in the distribution ranges of <i>Brachyspira</i> (Brachyspira) ticks in South Africa: Displacement of the native tick, <i>Brachyspira microplus</i> (Acari: Ixodidae) impacting cattle production in the Eastern Cape Province, South Africa		
			76		82		88		94		100		106			
10:00 to 10:30																
Coffee Break - Grand Ballroom Foyer (7th Floor)																
Time:	Session 22	ACVM Symposium	Session 23	One Health & Public Health 2	Session 24	HPAI 1	Session 25	Immunology 2	Session 26	Virology 2	Session 27	Vaccinology 1	Session 28	Parasitology		
Monday	10:30 am	Dr. Sreekumari Rajeev	N. R. Noyes	Species-level characterization of the personal air microbiome collected with two devices in a dairy farm setting	K. Mohanty	Understanding knowledge and perception of dairy producers regarding HPAI in dairy cattle	A. S. Sipka	The use of a fluorescent bead-based multiplex assay to measure cytokine concentrations in bovine quarter milk samples with different culture outcomes	R. N. Fonseca	Antiviral Activity of Semeniferol and Isogenecin against Bovine Respiratory Syncytial Virus: Evidence for interference in the replication cycle and high-affinity binding to viral proteins	J. Angelos	Reduced severity of bovine pinkeye following intranasal vaccination with secreted <i>Moraxella bovis</i> and <i>Moraxella bovisculi</i> antigens adjuvanted with Carbogen and Emulsion	A. Karunakaran	Functional characterization of Ostertag ostertagi cathepsin L-like proteases		
			109		115		121		127		133		139			
	10:45	"Leptospira Infection: Conventional Wisdom vs. Current Perception"	R. Rios	Prevalence, resistance, and genomic characterization of <i>Staphylococcus aureus</i> from animal, food, and environmental sources: A One Health perspective	N. Uribe Corrales	Survey of impacts of Avian Influenza type A on a convenience sample of California dairies	K. Kesler	Effect of zinc on lymphocyte functions relevant to vaccine responsiveness in vitro.	Eulhae Ga	Pandemic M gene reassortment in canine IHN2 influenza virus acquired amantadine resistance.	J. Angelos	Ocular immune responses in cattle after intranasal vaccination with secreted <i>Moraxella bovis</i> and <i>Moraxella bovisculi</i> antigens containing native <i>Moraxella</i> spp. cytotoxin	T.A. Quintana	Canine fecal microbiome alterations associated with experimental <i>Cytoliospora</i> spp. infection		
			110		116		122		128		134		140			
	11:00	107	S. Arnold	Characterization of outreach and communication from mosquito abatement districts and local public health	A. I. Loredo	Epidemiology of Avian Influenza Type A in lactating California dairy cattle	M. Cid de la Paz	The impacts of colostrum on systemic immune response in dairy calves	H. Cluett	The characterization of viral diversity in white-tailed deer (<i>Odocoileus virginianus</i>) respiratory tracts: Implications for cross-species transmission	J. Santamaría	Immunogenicity and protective efficacy of a recombinant <i>Histomonas meleagridis</i> cathepsin L-like protease in turkey poult	J. Jesudoss Chelladurai	Pharmacokinetic analysis of bumeprostine inhibitor 1553 reveals potential for treatment of equine protozoal myeloencephalitis		
			111		117		123		129		135		141			
	11:15	Dr. Mark Lawrence	M.C. Metralee	Identifying dominant trade distributors and potential co-inflaming events in native and exotic species trade between deer farms across Florida (2014-2020)	L. Martinez Penedo	Risk factors and shedding patterns on milk, nasal, and vaginal samples for HPAI H5N1 in dairy cattle.	R. Santos	Assessment of immune-related microRNAs in bovine colostrum and newborn calves' circulation	Diego G. Diel	Investigating the mechanisms underlying <i>Senecavirus A</i> persistence	Adeas S. Oliveira Chávez	Evaluation of extracellular vesicles as candidates for anti-TICK vaccines in cattle	M. Smith	<i>Emilia maxima</i> protein expression in chicken ileum during necrotic enteritis		
			112		118		124		130		136		142			
	11:30	"Edwardsiella ictaluri Attachment Mechanisms: A Novel Approach to Prevent Enteric Septicemia of Catfish"	EO Njoga	First insight into human-animal Campylobacter epidemiology in Southeast Nigeria	C. Piccaso Riso	Association between comorbidities and HPAI H5N1 virus shedding during outbreak investigations in dairy cattle	E. Owczarczak	Effect of isopropiostane class on bovine monocyte-derived macrophage function under in vitro inflammatory and oxidative stress challenge.	H. Tong	Evaluation of PEDV non-S NODL and S NODL spike gene-based differential PCR assays and epidemiological analysis of the detection frequency of these two PEDV strains in U.S. swine.	P.P. Singh	West Nile virus candidates attenuated by dinucleotide enrichment are immunogenic and protective against lethal infection	J. De Assis Rocha	Enhanced Metagenomic Detection of Equine Neurotropic Viruses with Syndrome-Based Probe Capture Enrichment		
			113		119		125		131		137		143			
	11:45	108	O A Akerele	Spatial distribution of Dog Babes in Gauteng Province using the Average Nearest Neighbour from 2009 – 2025	C. Lane	Epidemiologic investigation of disease burden and transmissibility of highly pathogenic avian influenza in Michigan dairy cattle	Thaddeus Deiss	Systemic perturbations in immunity elicited by SARA in dairy cattle	N.R. Noyes	Culture-independent whole-genome reconstruction of porcine astrovirus 4 from oral fluid samples	B.M. Edao	Harnessing an entero-toxicigenic <i>E. coli</i> multiple epitope fusion antigen (MEFA) vaccine candidate (MeVax): adjuvanticity and thermostability	S. Mainali	Development of a rapid, on-site diagnostic test for the detection of mycoplasmosis in bison		
			114		120		126		132		138		144			

