

Tuesday, July 9, 2024

Room	Grand Ballroom F	
8:00 AM	Opening Session	
8:15 AM	Keynote Speaker Future Perspectives for the Global Poultry Industry Dr. Marc de Beer, <i>Aviagen</i>	
9:00 AM	Break	
Room	Grand Ballroom F	Grand Ballroom DE
Topic	Epidemiology	Case Reports
Moderator	Kabel Robbins	Kayla Niel
9:15 AM	Understanding risk factors associated with broiler breeder MS cases in Georgia Kathleen Sary, <i>Georgia Poultry Laboratory Network (GPLN)</i>	I SPY HPAI - Gross lesions highly suggestive of HPAI Yuko Sato, <i>Iowa State University</i>
9:30 AM	Comparison and evaluation of poultry biosecurity plans through the Rapid Access Biosecurity app Jason Galvis, <i>College of Veterinary Medicine, North Carolina State University</i>	Layers Don't get Bacterial Chondronecrosis and Osteomyelitis, Right? Geoffrey Lossie, <i>Purdue University/Indiana Animal Disease Diagnostic Lab</i>
9:45 AM	Mastering Sample Size Determination: Facts, Fallacies, and Best Practices for Use in Veterinary Research and Diagnostics Enrique Mondaca, <i>CEVA Animal Health</i>	High Pitched Layers - Case Report Gigi Lin, <i>BC Ministry of Agriculture and Food</i>
10:00 AM	Securely moving duck hatching eggs from a farm out of or within a Highly Pathogenic Avian Influenza (HPAI) Control Area Sylvia Wanzala-Martin, <i>University of Minnesota</i>	It's Hard To Be Positive When You're B Positive Molly Parker, <i>Select Genetics</i>
10:15 AM	An approach for prioritizing Salmonella serotypes for foodborne outbreak prevention: Using burden and trajectory of outbreak-related illnesses associated with meat and poultry Katherine Marshall, <i>CDC</i>	Torticollis in Turkey Poults Laura Tensa, <i>Cargill</i>
Topic	Salmonella	Case Reports
10:30 AM	Longitudinal evaluation of Salmonella in broiler breeder flocks Nikki Shariat, <i>Poultry Diagnostic and Research Center, University of Georgia</i>	Aspergillus flavus and Penicillium spp Infection in a Five Week Old Broiler Breeder Pullet Flock Hollyn Maloney, <i>Prairie Livestock Veterinarians</i>
10:45 AM	Avian Bioscience Travel Scholarship: Re-evaluating the gold standard: evaluating environmental Salmonella surveillance sampling methodologies in commercial broiler live-production Emily Cason, <i>University of Georgia, Poultry Diagnostic and Research Center</i>	Where my eggs at doc? Reginald Onyema, <i>Aviagen North America</i>

Tuesday, July 9, 2024

11:00 AM	SE challenge studies in live ST vaccinated broilers—comparing different vaccination strategies to protection against SE challenge at different ages Kalen Cookson, <i>Zoetis</i>	Economic Impact, and Molecular characterization of CAstVs obtained from outbreaks of White Chicken Syndrome (WCS) in Western Canada Victor Palomino-Tapia, <i>Maple Leaf Foods</i>
11:15 AM	The use of a nutritional approach to support the control of Salmonella in poultry. Raquel Burin, <i>Zinpro Corporation</i>	Field Experiences with Avian Metapneumovirus in U.S. Broilers and Broiler Breeders Andy Bishop, <i>Amick</i>
Room	Grand Ballroom F	
11:30 AM	Wellness Talk Jeff Winton	
12:00 PM	Lunch Break	
Topic	Bacteriology	Case Reports
Moderator	Algis Martinez	Rodrigo Gallardo
1:15 PM	Peeling Back the Many Layers of Competitive Exclusion Margie Lee, <i>Virginia Tech</i>	Enterococcus fecalis Infection In Laying Hens Mike Petrik, <i>McKinley Hatchery</i>
1:30 PM	Differentiation of nonpathogenic from pathogenic Enterococcus cecorum isolates, identifying unique genetic characteristics providing virulence, survival, and adaptation traits Martha Pulido Landinez, <i>Mississippi State University</i>	A Deadly Case of Stud Tom Torticollis Jake Carlson, <i>Select Genetics</i>
1:45 PM	Genotypic characterization of Enterococcus cecorum isolated from field cases Marcela Arango, <i>Mississippi State University</i>	Swollen Heads with an acute elevated mortality in Commercial Turkeys. Claude Hebron, <i>Prestage Farms</i>
Topic	Bacteriology	Virology
2:00 PM	Clostridium colinum in quail: Battling to reduce the need for antibiotics use Roxana Sanchez-Ingunza, <i>RSI Poultry Veterinary Consulting LLC</i>	Preliminary characterization of avian metapneumovirus subtype B in the U.S. Darrell Kapczynski, <i>USDA-ARS</i>
2:15 PM	Exploring Focal Duodenal Necrosis: Two Challenge Experiments Investigating Disease Replication in Layers Yuyang Tsai, <i>University of Georgia</i>	Detection and molecular characterization of avian metapneumovirus subtype B in the US turkey and chicken farms Sumit Jangra, <i>South Dakota State University</i>
2:30 PM	Assessment of water-based interventions for the control of Campylobacter hepaticus in laying hens. Catherine Logue, <i>University of Georgia</i>	An Epidemiological look at Infectious Bursal Disease (IBD) in Commercial Broiler Industry in Canada; Geographical Difference and Applied Vaccination programs Babak Sanei, <i>Zoetis Canada</i>
2:45 PM	Impact of Avibacterium paragallinarum infection on the Upper Respiratory Tract Microbiome of Chickens Mostafa Ghanem, <i>University of Maryland</i>	Molecular survey of infectious bursal disease virus in Western Europe in 2020-2023 reveals lasting predominance of A3B1 reassortant viruses Matteo Legnardi, <i>Department of Animal Medicine, Production and Health (MAPS), University of Padova</i>
3:00 PM	Break	

Tuesday, July 9, 2024

Moderator	Jaime Ruiz	Milos Markis
3:15 PM	The plasmid-encoded serine protease autotransporters Tsh and Sha contribute to avian pathogenic Escherichia coli colonization of the lungs in turkey Charles M. Dozois, <i>INRS-Centre Armand-Frappier</i>	Decoding the Sequence, Structure, and Antigenicity of Infectious Bursal Disease Virus (IBDV) Isolates in the Delmarva Region Using Whole Genome Sequencing (WGS) and Reverse Genetic Approaches Sofia Egana-Labrin, <i>Department of Animal and Avian Sciences, University of Maryland</i>
3:30 PM	Mycoplasma gallisepticum Live attenuated Vaccine Reversion to Virulence - What Changed Eniope Oluwayinka, <i>University of Georgia</i>	Infectious laryngotracheitis viruses (ILTV) Genotypes Associated with Cases of the Disease between March 2023 to April 2024. Maricarmen Garcia, <i>University of Georgia</i>
Topic	Coccidiosis	Virology
3:45 PM	Practical Guide to Successful Coccidiosis Vaccination in Broilers Sara Throne, <i>Simmons Foods</i>	Binding Ability of the Hemagglutinin-Neuraminidase Protein as a Predictor of Pathogenicity of Newcastle Disease Virus Isolates Farjana Saiada, <i>Department of Pathobiology, College of Veterinary Medicine, Auburn University</i>
4:00 PM	Practical ways to assess coccidiosis vaccination in commercial broilers. Matilde Alfonso, <i>Ceva Animal Health</i>	Efficacy of Newcastle Disease Virus–Based Vectored Vaccine Against H5N1 Highly Pathogenic Avian Influenza Virus Challenge in SPF Chicken Katherine Ivette Calderón Mayo, <i>FARVET</i>
4:15 PM	Utilizing Oocyst Per Gram (OPG) surveillance to monitor coccidiosis management in commercial cage-free, floor-raised leghorn pullets John Schleifer, <i>Devenish Nutrition, Inc.</i>	Comparing gene expression in chicken Harderian glands and tracheas with and without maternal antibodies after vaccination with LaSota Newcastle Disease Virus Taina Lopes, <i>Universidade Federal de Minas Gerais</i>
4:30 PM	Rotating Chemical Coccidiostats Following Prolonged Use in Broilers Nicholas Brown, <i>Huvepharma, Inc</i>	Detecting Infectious Bronchitis Virus Recombinants From Field Samples: A Next Generation Sequencing Approach Robert Beckstead, <i>Ceva Animal Health, LLC</i>
4:45 PM	Evaluation of Performance and Level of Coccidiosis Immunity of Coccidia Vaccinated Broiler Chickens Fed Various Feed Additives in a Coccidiosis Pen Challenge Brandon Doss, <i>Huvepharma, Inc.</i>	Avian hepatitis E virus in the U.S. diagnostics, isolation, and characterization Rodrigo Gallardo, <i>University of California, Davis</i>
5:00 PM	Break	
Room	Midway West	
5:15 PM	Poster Session	
Room	Midway East	
6:30 PM	Networking Event	

Wednesday, July 10, 2024

2024 AAAP Symposium			
Maintaining Intestinal Health with Non-Antibiotic Compounds			
Hosted by the Enteric Diseases Committee and the Therapeutics, Biologics and Bioprotection Committee			
Room	Grand Ballroom F		
8:00 AM	Introduction		
8:10 AM	The Gut-Brain Connection/Physiology of the intestinal tract Guillerm Tellez-Isaias, <i>University of Arkansas</i>		
8:30 AM	Impact of the Intestinal Ecosystem of Poultry on Production and Sustainability Michael Kogut, <i>USDA</i>		
8:50 AM	Break		
9:15 AM	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> Use of Prebiotics and Postbiotics to Modulate Enteric Microbiome and Gut Health in Poultry Peter Ferket, <i>North Carolina State University</i> </td> <td style="width: 50%; vertical-align: top; text-align: center;"> Probiotics Tim Johnson, <i>UMN</i> </td> </tr> </table>	Use of Prebiotics and Postbiotics to Modulate Enteric Microbiome and Gut Health in Poultry Peter Ferket, <i>North Carolina State University</i>	Probiotics Tim Johnson, <i>UMN</i>
Use of Prebiotics and Postbiotics to Modulate Enteric Microbiome and Gut Health in Poultry Peter Ferket, <i>North Carolina State University</i>	Probiotics Tim Johnson, <i>UMN</i>		
9:30 AM	Mechanisms of Action of Botanicals for Enhancing Gut Health and Performance in Poultry Diego Martinez, <i>University of Arkansas</i>		
9:45 AM	Role of Micro-Minerals and Fatty Acids in Intestinal Health Todd Applegate, <i>University of Georgia, Athens</i>		
10:00 AM	Break		
10:10 AM	A review of methods that are used in research and diagnostics to assess gut health Cristiano Bortoluzzi, <i>DSM</i>		
10:25 AM	Experimental Modeling and Research Result Interpretation of Intestinal Health Products in Broiler Chickens Matthew Jones, <i>Southern Poultry Research Group</i>		
10:40 AM	FDA: Current and possible future regulatory framework Bill Flynn, <i>FDA-CVM</i>		
11:00 AM	Break		
11:10 AM	Panel on Field Experiences with Non-Antibiotic Feed Additives Sara Throne, <i>Simmons Foods</i> Dave Hermes, <i>Perdue Farms</i> Dan Wilson, <i>Wilson Vet Co.</i> Mike Blair, <i>Devenish</i>		
12:00 PM	Lunch Break		
Room	Grand Ballroom F	Grand Ballroom DE	
Topic	Wealth of Knowledge	Enteric Health	
Moderator	Maggie Thompson	Enrique Montiel	
1:15 PM	ATP Meter for Evaluating Water Line Sanitation Kabel Robbins, <i>Butterball, LLC</i>	Characterization of the predicted metagenome function of "normal" microbiota in chicken intestines Ruediger Hauck, <i>Auburn University</i>	
1:30 PM	Hatchery investigations: proposing a protocol to maximize insight and efficiency. Isabella Hannay, <i>Mississippi State University</i>	Transcriptome analysis of the jejunal mucosa of broiler chickens with subclinical necrotic enteritis fed diets containing varying calcium concentrations and limestone particle sizes Rana Waqar Tabish, <i>Department of Poultry Science, Auburn University</i>	

Wednesday, July 10, 2024

1:45 PM	A 12-Year Retrospective on Hatchery Applied Vaccines in the Layer Industry Ian Rubinoff, <i>Hy-Line North America</i>	Identifying chicken Lactobacillus strains possessing immunomodulatory and anti-Clostridium perfringens properties Ravi Kulkarni, <i>NC state University</i>
2:00 PM	Development and Implementation of a Framework and Assessment Tool to Evaluate an Organization's Antimicrobial Stewardship Policies and Practices Ken Opengart, <i>3 Birds Consulting</i>	Influence of coccidiosis and enteritis challenges on diet productive energy and economics in broilers Diego Martinez, <i>University of Arkansas</i>
2:15 PM	Overview of the AVMA Guidelines for the Depopulation of Animals and the revision process Cia Johnson, <i>AVMA</i>	Effect of a blend of organic acids (short-chain fatty acids) and oregano oil on gut morphology growth performance and lymphoid organs of broiler chicken Frank Ayala-Limaylla, <i>Laboratorios Drogavet SAC</i>
2:30 PM	CRISPR: An easy button for disease mitigation? Michelle Kromm, <i>Food Forward LLC</i>	Effect of Campylobacter jejuni and Campylobacter coli co-colonization on the cecal environment in turkeys Silke Rautenschlein, <i>Clinic for Poultry, University of Veterinary Medicine Hannover</i>
2:45 PM	Feed Withdrawal: Review and Lessons Learned Over a Lifetime Timothy Cummings, <i>Zoetis</i>	Blackhead – Disease review: Past and Current Prevention and Control Strategies Jaime Ruiz, <i>Elanco Animal Health</i>
3:00 PM	Break	
3:15 PM	Committee Meetings	
6:15 PM	Adjourn	

Thursday, July 11, 2024

Room	Grand Ballroom F	Grand Ballroom DE
Topic	Vaccinology	Parasitology
Moderator	Holly Sellers	Ruediger Hauck
8:00 AM	Control of Fowl Cholera in Commercial Layer type birds with Siderophore Receptor and Porin Protein Vaccine Charles Hofacre, <i>Southern Poultry Research Group, Inc.</i>	Effect of Fenbendazole on Broiler Breeder Sperm Mobility. Ivan Alvarado, <i>Merck Animal Health</i>
8:15 AM	Rimler Memorial Paper: Evaluating the efficacy of novel inactivated and live vaccine approaches for the control of Spotty Liver Disease (SLD) caused by <i>Campylobacter hepaticus</i> in layer hens Roel Becerra, <i>University of Georgia</i>	Anthelmintic Support with Natural Products Philip Stayer, <i>Dr Phil Stayer Poultry Consulting, LLC</i>
8:30 AM	The Impacts of a Spotty Liver Disease (<i>Campylobacter hepaticus</i>) Autogenous Vaccine on Pasture Raised Production Systems Mark Mouw, <i>Wilson Veterinary Co.</i>	Effects of stress factors on histomoniasis in broiler breeder pullets Catherine Fudge, <i>University of Georgia</i>
8:45 AM	Reed Rumsey Clinical Research Award Winner: Protection of Broiler Chickens Against Necrotic Enteritis by Intrapulmonary Delivery of a Live <i>Clostridium Perfringens</i> Vaccine Employing Gut-Lung-Axis Concept Hemlata Gautam, <i>University of Saskatchewan</i>	Economic Impact of Bed Bug Infestation in Breeder Operations Aaliyah Gore, <i>North Carolina State University</i>
9:00 AM	Investigation of Low AE titers in Broiler Breeders Len Chappell, <i>GPLN</i>	Performance of Broiler Chickens Vaccinated with an In Ovo Coccidiosis Vaccine Compared to Broiler Chickens Treated with Anticoccidial Drugs in-Feed Martina Dardi, <i>Laboratorios HIPRA S.A.</i>
Topic	Vaccinology	Antimicrobials & Antimicrobial Resistance
9:15 AM	Optimising in ovo Herpesvirus of turkey (HVT) - vectored vaccines: Defining the role of the HVT vNr-13 protein in vitro in chicken embryo fibroblasts and in ovo in late stage embryonic tissues Vishwanatha Reddy Avalakuppa Papi Reddy, <i>The Pirbright Institute</i>	Remediating the Poultry Litter Resistome John Maurer, <i>Virginia Tech</i>
9:30 AM	A herpesvirus of turkey-based vector vaccine induces the development of antibodies against the HA protein of H5N1 AIV of clade 2.3.4.4b in broiler chickens. Aldo Rojas-Neyra, <i>Farmacológicos Veterinarios S.A.C.</i>	Phenotypic characterization of <i>Castellaniella</i> spp. associated with mortality events in commercial broiler breeders Tiffani Allen, <i>Poultry Diagnostic and Research Center, University of Georgia</i>
9:45 AM	Vaccination of Pullets with an Inactivated Chicken Astrovirus Isolated from a Clinical Case of White Chick Syndrome Jason Sousa, <i>University of Georgia - PDRC</i>	Efficacy of a Silane Quaternary Ammonia Compound (SiQAC) applied to feed trailers for inactivating low pathogenic avian influenza 15 days post-application JeJuan Bryant, <i>NCSU-CVM Veterinary Student</i>
10:00 AM	Break	

Thursday, July 11, 2024

Room		Grand Ballroom F	
10:15 AM		History Lecture The History of Avian Reovirus Holly Sellers, <i>University of Georgia</i>	
10:45 AM		Business Meeting	
12:00 PM		Lunch Break	
Room		Grand Ballroom F	Grand Ballroom DE
Topic	Reovirus	Diagnostics	
Moderator	Ben Wileman	Silke Rautenschlein	
1:15 PM	Evaluation of Pathogenicity and Antigenicity of Turkey Reovirus Isolates Milos Markis, <i>AviServe LLC</i>	A molecular beacon with RT-LAMP can detect AOAV-1 and differentiate low virulence from virulent virus strains Megan Mears, <i>Exotic and Emerging Avian Viral Diseases Research Unit, USDA</i>	
1:30 PM	Forgotten turkey avian reovirus isolates decipher naturally occurring co-infections of CRV and TRV in commercial turkeys. Sonsiray Alvarez Narvaez, <i>Southeast Poultry Research Laboratories</i>	Improved Efficiency by multiplexing Infectious Bronchitis Virus (IBV) Singleplex Assays Ramhari Thapa, <i>Ceva Animal Health</i>	
1:45 PM	Development of turkey reovirus specific ELISA Khaled Abosria, <i>Department of Veterinary and Biomedical sciences, South Dakota State University</i>	Development and Validation of New Differential qPCR Assays for Improved Diagnosis of Avibacterium paragallinarum in the Field Mostafa Shelkamy, <i>Iowa State University</i>	
Topic	Avian Influenza	Diagnostics	
2:00 PM	Investigating the Prevalence of Highly Pathogenic Avian Influenza (HPAI) Virus Among Migratory Wild Shorebirds in Iowa Valerie Kim, <i>Iowa state University</i>	Development of an Enzyme-Linked Immunosorbent Assay (ELISA) for detection and differentiation of Avibacterium paragallinarum infections Mariela Srednik, <i>Iowa State Univesity</i>	
2:15 PM	Viral Shedding and Environmental Dispersion of Clade 2.3.4.4B H5 High Pathogenicity Avian Influenza Virus in Ducks: Implications for Environmental Sampling in HPAI Surveillance Jean-Luc Guerin, <i>University of Toulouse</i>	Development and Validation of New TaqMan Real-Time PCR assays for enhancing diagnosis of Spotty Liver Disease Eman Gadu, <i>Iowa State University</i>	
2:30 PM	Enhanced process to select avian influenza vaccines for protection against diverging field viruses David Swayne, <i>Birdflu Veterinarian, Watkinsville, Georgia, USA</i>	Field outbreak Investigation of Spotty Liver with Artificial Intelligence (AI) assisted Histology Chaitanya Gottapu, <i>University of Florida</i>	
2:45 PM	The effect of inactivated vaccines on highly pathogenic avian influenza virus shedding Erica Spackman, <i>US National Poultry Research Center, USDA-ARS</i>	Development of a Deep-Learning Artificial Intelligence Diagnostic Support Tool for Chicken Renal Histopathology Adrea Mueller Slay, <i>Charles River Laboratories; University of Georgia</i>	
3:00 PM	Break		

Thursday, July 11, 2024

Topic	Avian Influenza	Pathology
Moderator	Katie Schlist	Robert Beckstead
3:15 PM	Cross-Protection Study of Inactivated H5N1 2.3.2.1c Vaccine against Novel H5N1 2.3.4.4b Virus Circulating in Indonesia Elly Setiawaty, <i>PT Medion Farma Jaya</i>	Reed Rumsey Basic Research Award Winner: Analysis of the localized immune response in the bursa of Fabricius post infectious bursal disease virus challenge Julia Blakey, <i>USDA ARS SEPRL Endemic Unit</i>
3:30 PM	Application of enzyme linked lectin assay (ELLA) for differentiation of infected from vaccinated animals (DIVA) in poultry for avian influenza Sherif Ibrahim, <i>South-East Poultry Research Laboratory (SEPRL), ARS-USDA</i>	Lesions Associated with Avian Metapneumovirus Subtype B Infection in Commercial Turkeys and Broiler Breeder Chickens Dallas Clontz, <i>Veterinary Diagnostic Pathology, LLC</i>
3:45 PM	An update on the assessment of the risk of moving washed and sanitized eggs off a highly pathogenic avian influenza (HPAI) positive premises Mickey Leonard, <i>University of Minnesota</i>	Postmortem diagnostic profile of laying hens with hypocalcemia Mayra Tsoi, <i>Michigan State University</i>
Topic	Avian Influenza	Immunology
4:00 PM	Walks like MSD, talks like MSD, think...? Kayla Niel, <i>Penn State University Animal Diagnostic Laboratory</i>	Immune Responses in the Harderian Gland after Newcastle Disease Vaccination in Chickens with Maternal Antibodies Raimundo Espejo, <i>Department of Pathobiology, Auburn University College of Veterinary Medicine</i>
4:15 PM	Trials to evaluate safety and immunogenicity of HPAI vaccines for California condors David Suarez, <i>Agricultural Research Service</i>	Field vaccination of turkey breeder candidates part II: Challenge trial of day old poults from various vaccine strategies Ben Wileman, <i>Select Genetics</i>
4:30 PM	Improvement of Oxford Nanopore Influenza A Whole Genome Sequencing Protocol Iryna Goraichuk, <i>USDA-ARS-USNPRC</i>	Evaluation of Diagnostic Tools for Detection of Egg Drop Syndrome Cole Taylor, <i>University of Georgia</i>
4:45 PM	Development of optimized CRISPR/Cas13 transgenes for the control of avian influenza virus in chicken cells Karel Schat, <i>Cornell University</i>	Glycerides of lauric acid supplementation in the chicken diet enhances the humoral and cellular immune response to infectious bronchitis virus Wanderley Quintero-Filho, <i>Adisseo LATAM</i>
5:00 PM	Adjourn	

AAAP Online Program

Available July 1 – July 25 to all registrants. CE granted for viewing up to 10 hours. To access go to <https://aaap.mclms.net/en/>

Avian Influenza

911 Poultry Call: we have a HPAI positive

Eric Orozco, *Butterball, LLC*

How the Ducks Stole Thanksgiving: A Natural HPAI Infection in Raised for Release Mallard Ducks

Emily Pittman, *Georgia Poultry Laboratory Network*

Highly Pathogenic Avian Influenza in a Commercial Table Egg Layer Flock

Katie Schlist, *Forsman Farms, Inc.*

Bacteriology

Circulation of non-pathogenic *Avibacterium paragallinarum* in the USA confounds the current diagnostics

Mohamed El Gazzar, *Iowa State University*

The Use of a Bacterial Litter Amendment to Delay Gangrenous Dermatitis and Reduce Barn Ammonia Levels

Meagan Abraham, *Jennie-O Turkey Store*

Nanopore MinION sequencing of emerging *Castellaniella* spp. associated with mortality in broiler breeders

Yi Chen Luo, *Department of Infectious Disease, College of Veterinary Medicine, The University of Georgia*

Case Report

An Unusual Case of Diphtheritic Pox in a Small Commercial Layer Flock

Jarra Jagne, *Cornell University*

Know your neighbors - *Mycoplasma gallisepticum* and *Mycoplasma synoviae* dual infection in broiler breeders

Karen Grogan, *UGA PDRC*

Atypical Presentation of Streptococcus Infection in Commercial Turkey Poults

Elise Gerken, *Butterball, LLC*

Neurologic Signs in Broilers Associated with Myopathy Lesions

Sabrina Hurst-Proctor, *Gaydos Technical Services*

Increased Incidence of Rickets in Broilers and Thin Eggshells in Broiler Breeders

Thomas Gaydos, *Gaydos Technical Services*

Case Report: Reimerella anatipestifer Outbreak in Breeder Ducklings

Alexander Strauch, *Four Star Veterinary Service*

Cloacitis in a commercial layer facility attributed to metabolic alkalosis: identification and resolution

Montana Oubre, *dsm-firmenich*

Ask and You Shall Receive. Part 1: A Case Report on Vent Gleet Clinical Manifestations in Commercial Egg Layers as a Result of Chronic Excess Calcium Supplementation

Daniel Wilson, *Wilson Vet Co.*

Diagnostics

Use of Next Generation Sequencing for the diagnosis of poultry tumor viral diseases

Isabel Gimeno, *North Carolina State University*

Cytopathologic diagnosis of inclusion body hepatitis in chickens via Romanowsky staining of liver impression smears

Kathryn McCullough, *Department of Pathology, College of Veterinary Medicine, University of Georgia*

Non-invasive sampling for early detection and surveillance of avian reovirus infection in turkey flocks

Mohamed Selim, *South Dakota state university*

Use of feather pulp in the diagnosis of Marek's disease: viral replication and immunopathological characterization

Federico Bonorino, *Universidad de León*

Parasitology/Coccidiosis

The Effect of High Dose Level of Amprolium Following Prolonged Use of Low Dose Level

Leslie Johnson, *Huvepharma, Inc.*

Intestinal Integrity Overview in Latin America from 2021 to 2023

Bauer Alvarenga, *Elanco Animal Health*

A Live Look at the HTSi Database and I2 Index

Francene Van Sambeek, *Elanco Animal Health*

Sources of Viable Eimeria Oocysts to Young Chicks in Commercial Broiler Houses

Mark Jenkins, *Agricultural Research Service, USDA*

Histomoniasis and Coccidiosis Reduction with Herbal Extract Blend

Greg Mathis, *Southern Poultry Research, Inc.*

Field Trial Utilizing Fecal Egg Count Reduction Test to Assess Anthelmintic Resistance in a Commercial Tom Turkey Flock

Trent Eckle, *Farbest Farms Inc.*

Polyphenol and Saponin Combination in Coccidia Control

Katie Stumvoll, *SilvaTeam US*

Vaccinology

Serological Monitoring of a trivalent vector HVT-IBD-ILT vaccine in Layer Pullets under Field Conditions in Canada

Kevin Amini, *Boehringer Ingelheim Animal Health Canada Inc.*

A Novel Application Procedure for Applying Vaccines Via Gel Droplets on the Farm at Day of Age in Commercial Poultry

Kelli Jones, *Ceva Animal Health*

Development and characterization of HVT vector vaccines to control ND and IBD

Blanca Lupiani, *Department of Veterinary Pathobiology, Texas A&M University*

Field safety of in ovo and subcutaneous administration of HVT-ILT-IBD vaccine in commercial Broilers

Faris Jirjis, *Merck Animal Health*

Replication and early immune responses induced by various MD vaccines when administered in ovo in meat type chickens

Abdelhamid Fares, *North Carolina State University, College of Veterinary Medicine*

Evaluation of MDV-1 Vaccines in the Control of vv+MDV-induced Immunosuppression

Nagwa Khaled, *NCSU*

Assessment of Protection and Changes in the Splenic Immune Cellular Phenotypes in Meat-Type Chickens Vaccinated with HVT and Challenged with a vv+MDV Strain

Nagwa Khaled, *NCSU*

Wealth of Knowledge

“Staph” Problems Again: Synovitis and Broiler Breeder Livability

Maggie Thompson, *AMT Poultry Health Consulting, LLC*

The Life of an Extension Poultry Veterinarian: Lessons Learned from My Personal Journey

Nathaniel Tablante, *University of Maryland College Park*

Experiences with Artificial Intelligence in Turkey Barns in Winter

Brian Wooming, *Cargill Turkey Production LLC*

AAAP Diversity and Inclusion (D&I) committee: Evolving to meet the changing demographics of AAAP members

Eliza Ripplinger, *NCSU*

An overview on the AVMA Working Group on the Psychological Impacts of Humane Endings

Michelle Kromm, *Food Forward LLC*

AAAP Research priorities committee survey results

Stephen Williams, *AAAP Research Priorities Committee*

Is male grading a proper management tool to improve male uniformity and livability as well as production performance?

Jose Bruzual, *Aviagen*

Posters

Poster Session on July 9 at 5:15 PM

Antimicrobials & Antimicrobial Resistance

Agroforestry tree leaves as feed supplements for improving growth and as an alternative to antimicrobial drugs in poultry breed of Jammu and Kashmir, India.

Mandeep Singh Azad, *Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu*

Relationship between antimicrobial use and resistance in Salmonella, Campylobacter, E. coli and Enterococcus from an on-farm U.S. broiler production monitoring system: 2020-2023

Randall Singer, *University of Minnesota*

Phenotypic and genotypic antimicrobial resistance profiling of Staphylococcus xylosum isolated from layer chicken barn bioaerosols in Alberta, Canada

Awais Ghaffar, *Faculty of Veterinary Medicine, University of Calgary*

Trained immunity or innate immune memory induced by CpG-ODN to protect broiler chickens against bacterial diseases

Iresha Subhasinghe, *University of Saskatchewan*

Avian Influenza

Evaluation of 5 and 10-day-old commercial Pekin ducklings (*Anas platyrhynchos domesticus*) naturally infected with H5N1 highly pathogenic avian influenza

Veronica Nguyen, *University of California, Davis*

Safety and Antibody Response of a RNA Vaccine Against H5Nx HPAI in Commercial Ducks Reared in Field Conditions in France

Christophe Cazaban, *Ceva Animal Health*

Efficacy of a reverse-genetics derived vaccine against highly pathogenic avian influenza viruses from clade 2.3.4.4

Leticia Frizzo da Silva, *Zoetis Veterinary Medicine Research and Development*

Environmental Sampling and Results on Multiple Turkey Farms with Highly Pathogenic Avian Influenza, from 2022 through 2023

Carrie Cremers, *Jennie-O*

Antigenic characterization of immune escape mutants of H7 low pathogenic avian influenza virus.

Jiho Lee, *SEPRL, USDA*

Pathology and viral tissue distribution of high pathogenicity avian influenza H5N1 in wild black-headed gulls (*Chroicocephalus ridibundus*) in France

Manuela Crispo, *IHAP, ENVT, INRAE, University de Toulouse*

Breeder farm biosecurity enhancements during the 2022-2023 HPAI outbreak

Marissa Studniski, *Select Genetics*

Avian influenza virus replication in bone marrow-derived dendritic cells induce cytokine dysregulation with eventual cell death

Jongsuk Mo, *USDA-ARS*

A Focus on the Basics of the National Poultry Improvement Plan (NPIP) Avian Influenza Compartmentalization Program

Savannah Busby, *USDA APHIS NPIP*

Genetic identification of the HPAIV (H5N1) in domestic birds received at the Faculty of Veterinary Medicine, Universidad Nacional Mayor de San Marcos, Peru (2022- 2024).

Rosa Gonzalez, *Universidad Nacional Mayor de San Marcos*

Active surveillance of Avian Influenza Virus from wild birds in Peru after highly pathogenic H5N1 subtype emergence (2023-2024)

Gina R. Castro-Sanguinetti, *Universidad Nacional Mayor de San Marcos*

Monitoring of commercial Layers vaccinated with a rHVT H5 vaccine in Peru

Claudia Carranza, *Ceva Salud Animal Peru*

Efficacy of an inactivated avian influenza H5N1 vaccine in layer hens

Melanie Caballero, *R&D Quimtia*

Development of an Inactivated Avian Influenza Virus Vaccine against local highly pathogenic H5N1 isolated in Peru

Melanie Caballero, *R&D Quimtia*

Update on Mexican lineage H5N2 low pathogenic avian influenza virus

David Suarez, *Agricultural Research Service*

Bacteriology

Correlation between *Clostridium perfringens* spore load and prevalence of netB-positive isolates in the poultry environment and necrotic enteritis on broiler chicken farms

John Maurer, *Virginia Tech*

Impact of a Postbiotic Containing Saponin, with or without Vaccination, on the Mitigation of Colibacillosis in Broilers Challenged with Avian Pathogenic *Escherichia coli* Serotype O78

Evan Chaney, *Cargill, Inc.*

In-vitro *Bacillus*-based probiotic screening against field *Campylobacter hepaticus* isolates

Kay Russo, *Chr Hansen*

Using an Experimental Blend of Mono- and Di-glycerides in the Starter Phase for Efficacy Against a Pathogenic *Enterococcus cecorum* Isolate in Broilers

Matthew Jones, *Southern Poultry Research Group, Inc.*

Assessment of virulence in novel Avian Pathogenic *Escherichia coli* (APEC) serogroups using in vitro and in vivo assays.

Klao Runcharoon, *Department of Population Health, College of Veterinary Medicine, University of Georgia*

Characterization of emergent *Avibacterium paragallinarum* strains in Brazil

Priscila Diniz Lopes, *Vaxxinova Brazil*

In-Vitro Evaluation of a Blend of Three Direct-Fed Microbial *Bacillus* Strains to Inhibit the Growth of Multiple *Enterococcus cecorum* and *Enterococcus faecalis* Field Isolates from Several Commercial Chicken Companies

Blair Telg, *Phibro Animal Health*

Ecology of Avian Pathogenic *Escherichia coli* in Commercial Turkey Production Across Time, Space, Tissue, and Vaccination Status

Lauren White, *University of Minnesota*

Identification, typing and antimicrobial susceptibility of *Gallibacterium anatis* isolates from Colombia.

Vladimir Morales Erasto, *Facultad de Medicina Veterinaria y Zootecnia - Universidad Nacional Autónoma de México*

Identification and typing of *Avibacterium paragallinarum* isolates obtained from commercial laying hens in Colombia.

Vladimir Morales Erasto, *Facultad de Medicina Veterinaria y Zootecnia - Universidad Nacional Autónoma de México*

Whole Genome Sequencing and Characterization of *Enterococcus faecalis* isolated from Pullet Layers with Growth Depression and Amyloid Arthropathy.

Aaliyah Gore, *North Carolina State University*

***Mycoplasma synoviae* Genotyping and Phylogenetic Analysis: A Comprehensive Study of *Vlha* Gene Variation in the Middle East**

Husam Bakri, *Vaxxinova International*

Importance of *Mycoplasma synoviae* Vaccination in performance of breeders challenged with Infectious bronchitis virus: A field report from Colombia.

Francisco Perozo, *Boehringer Ingelheim*

The Effect of Sample Pooling on the Detection of *Mycoplasma gallisepticum* and *Mycoplasma synoviae* by Real-time PCR

Michael Davis, *UGA Poultry Diagnostic Research Center*

Case Reports

Weather or Management: A Series of Erysipelas Cases in Commercial Turkeys During an Unseasonable Midwest Winter

Ashley Poissant, *Jennie-O Turkey Store*

Case Report: Glaucoma, Corneal Edema, Cataracts, and Retinal Degeneration in Broiler Breeder Chickens

James Davis, *Georgia Poultry Laboratory Network*

Avian Coryza and Laryngotracheitis co-infection in layer chicken: A case report

Ahmed Achhal, *Clinique vétérinaire Tit Mellil*

Outbreaks of duck viral enteritis in breeding mallards for the British game sector in 2023

Christopher Poulos, *Pathology Department, Animal and Plant Health Agency*

Ocular Marek's Disease in a Black Shouldered Peafowl

Hailey Quercia, *Virginia Department of Agriculture and Consumer services*

Diagnostics

Modified Extraction Method Reduced Variation in Feather Corticosterone Replicates In Combination With High Extraction Efficiency

Nikolas Faust, *Poultry Science Department, Texas A & M University*

Nanopore Adaptive sampling: a new tool for in silico enrichment for respiratory pathogens from clinical samples

Maria Chaves, *Iowa State University*

New Infectious Bronchitis indirect ELISA, based on well conserved recombinant protein, for improved detection of live vaccines and challenge including variant strains

Rafael Forero, *Innovative Diagnostics*

Rapid Disease Diagnostics in Broiler Chickens Using Metabolomics

Asha Ranaraja, *University of Saskatchewan*

Advantages of Genotyping Infectious laryngotracheitis virus (ILT) from Clinical Samples Using MinION

April Skipper, *University of Georgia*

Enhancing Diagnostic Efficiency: Implementation of a Multi-Laboratory Platform for Poultry Diagnostics

Dimitri Popov, *Aggio*

Optimizing Metagenomic Approaches for Enhanced Food Safety in Poultry Production Environment.

Mostafa Ghanem, *University of Maryland, College Park*

Use of High-Resolution Melting Point RT-PCR for Confirming the Effectiveness of Two Live IB Vaccine Strains Application When Administered Simultaneously at the Hatchery and at Farm Level in Layers

Francisco Rios-Cambre, *MSD Salud Animal Mexico*

Looking beyond implementing Oxford Nanopore Technologies (ONT) in poultry diagnostics: Lessons Learned from Years of Working with ONT

Amro Hashish, *Iowa State University*

IBV molecular surveillance using Oxford Nanopore MinION sequencing

Renato Luciano, *Biological Institute, Advanced Center of Research and Development for Poultry Health*

The Advantages of Hemagglutination Inhibition (HI) MGMS Test Automation Using a Lynx LM900 by Dynamic Devices Versus Manual Testing

Sara Cooper, *Georgia Poultry Laboratory Network*

Use of a new veterinary diagnostic tool for ELISA titer data analysis and interpretation

Reshma Ramachandran, *Professional Services Veterinarian-II*

HVT-NDV hatchery vaccination evaluation using a fusion protein-specific ELISA

Duane Murphy, *Farbest Farms, Inc.*

Developing Third Generation Sequencing Assays to Rapidly Analyze Whole Genome and Hexon Genotypes from Field Samples and Isolates of Fowl Adenovirus

Derek Moormeier, *Ceva Animal Health*

Incidence of airsacculitis in newly hatched broiler chicks in Brazil: possible causes and potential consequences

Jorge Chacon, *Ceva Animal Health - Veterinary Services, Brazil*

Developing a novel method for sequencing the whole genome of infectious bursal disease virus

Julia McElreath, *Ceva Animal Health*

Genetic Evolution of Avian Reoviruses in France (2016-2023), First Applications of Oxford Nanopore Sequencing.

Guillaume Croville, *University of Toulouse*

Evaluating the role of Vitamin E in Turkey Degenerative Myelopathy Syndrome

Jonathan Elissa, *Penn State University*

Enteric Health

Colonization of Probiotic Bacteria in the Intestine of Chicken Embryos Following Coarse Spray on Incubating Eggs

Mihiprabha Rathnayake, *University of Saskatchewan*

Effect of RfC in the relative genetic expression of mRNA for: IgG, IgM, and INF γ , and histomorphometry in the intestine of broiler chickens.

Sebastian Mena, *Dimune, Veterinary Services*

Crude Protein and Starch Analyses of Fecal Feed Particles obtained from 60 Day-old Broilers

Samuel Christenberry, *Alabama Veterinary Diagnostic Laboratory*

Ex vivo assessment of the direct and indirect antimicrobial capacities of glycerides of lauric acid using gastrointestinal fluids

Wanderley Quinteiro-Filho, *Adisseo LATAM*

Effect of *Bacillus subtilis* DSM29784 secreted metabolites on poultry resilience

Wanderley Quinteiro-Filho, *Adisseo LATAM*

Microbiome Changes and Horizontal Transmission of *Salmonella infantis* in Broilers Consuming Feed Treated With Feed Sanitizers, Organic Acid Blends, Probiotics and Combinations

Enrique Montiel, *Anitox Corporation*

Microbiome Shifts in Birds Fed *Quillaja saponaria* and *Yucca schidigera* Biomass that are Related to Performance Outcomes

Luis Gomez, *Phibro Animal Health Corporation*

Infectious Bronchitis Virus

Detection of Avian Infectious Bronchitis GI-23 (Variant 2) Virus in Mexico During 2023

Juan Carlos Valladares de la Cruz, *Phibro Animal Health*

Epidemiological assessment of Infectious Bronchitis Virus after the detection of strains of the GI-23 lineage in Brazil

Jose Emilio Dias, *Phibro Animal Health, Instituto Federal Catarinense, Concórdia – SC, Brazil*

Reduction on airsacculitis condemnations in commercial broiler and griller flocks after introduction of homologous vaccine against IBV GI-23 lineage in Brazil

Josiane Griebeler, *MSc. In veterinary science in Poultry Health - UFRGS*

Improvement in the airsacculitis condemnation, antibiotic therapy, and mortality after introduction of a homologous vaccine against IBV - Var 2 (IS/1494/06 strain)

Andre Marca, *DVM, University of Santa Catarina State (UDESC) - Brazil*

Evaluation of Two Bronchitis Vaccines under field conditions

Lucas Colvero, *MSD Saúde Animal*

Efficacy of TABic® IBVAR206 vaccine against challenge with Infectious Bronchitis Virus BR-1 field strain in broiler chickens

Dana Goldenberg, *Phibro Animal Health*

Effect of spraying supplemental passive IBV antibodies in the protection against early IBV exposure in chicks

Rachel Jude, *Department of Population Health & Reproduction, University of California, Davis*

Identification and Geographic Location of Variant Strains of Infectious Bronchitis Virus in Broiler and Layer Farms in Peru 2023

Cesar Reyes, *MSD Salud Animal - Peru*

Cross-protection studies using GA08 and Mass type IBV vaccines against four different antigenic variant viruses currently circulating in poultry in the USA and Canada.

Mark Jackwood, *Ceva Animal Health*

Polymorphisms of S1 Sequence following Single or Dual Infectious Bronchitis Virus Strains Passage in Embryonated Chicken Eggs

Ming-Kun Hsieh, *Graduate Institute of Microbiology and Public Health, National Chung Hsing University, Taiwan*

Infectious Bursal Disease

Disease Awareness Program : Field survey of Infectious Bursal Disease Virus from broiler and layer farms in Peru during 2020 and 2022

Claudia Carranza, *Ceva Salud Animal - Peru*

Infection by Genogroup 4 strains of Infectious Bursal Disease Virus negatively affects mortality and feed conversion in commercial broiler flocks in Brazil

Jose Emilio Dias, *Phibro Animal Health, Instituto Federal Catarinense, Concórdia – SC, Brazil*

Generation of avian paramyxovirus type 1 TS09 strain-based recombinants expressing the VP2 protein of infectious bursal disease virus and a chicken cytokine as dual vaccines for in ovo vaccination

Qingzhong Yu, *USDA/ARS, US National Poultry Research Center*

Genetic and epidemiological characteristics of Infectious Bursal Disease Virus circulating in broiler flocks in Brazil

Jorge Chacon, *Veterinary Services - Ceva Animal Health, Brazil*

Datamining an infectious bursal disease field trial database comparing bursal atrophy effect on performance data, serology and biochemistry profile. Putting it all together Part 2

Daniel Venne, *Ceva animal health*

Molecular detection and characterization of emerging novel variant IBDV (genotype A2dB1b) in the Middle East prompts concern of spread of subclinical disease forms

Matteo Legnardi, *Department of Animal Medicine, Production and Health (MAPS), University of Padova*

Title Comparing recombinant infectious bursal disease virus vaccines: field observations, bursal size, DIVA serology, qPCR and sequencing. Putting it all together. Part 1

Brenna Tuer, *Cargill Canada*

Reassortant strains of infectious bursal disease virus (IBDV) belonging to genogroup A3B1 predominate in British broiler flocks

Vishwanatha Reddy Avalakuppa Papi Reddy, *The Pirbright Institute or Keele University*

Immunoprotection of broiler chickens against variant infectious bursa disease virus (varIBDV SK09) and associated B cell, T cell subsets and macrophage profile in the bursa of Fabricius
Ayumi Matsuyama, *University of Saskatchewan*

Parasitology/Coccidiosis

Effects of a proprietary essential oil product on body weight, feed conversion, and mortality of Ross 708 broilers that are either vaccinated or unvaccinated against coccidiosis at placement
Sharon Heins Miller, *Devenish Nutrition LLC*

Comparison of live attenuated and live-non attenuated vaccines on the safety of the administration of an overdose using the model of the European Monograph in SPF chickens
Martina Dardi, *Laboratorios HIPRA S.A.*

Comparative analysis of broiler chicken productivity following vaccination with different coccidiosis vaccines and using different administration methods
Martina Dardi, *Laboratorios HIPRA S.A.*

Use of an attenuated Eimeria vaccine in broilers with in-ovo application for on-farm hatching
Martina Dardi, *Laboratorios HIPRA S.A.*

Single fecal collection for oocyst shedding does not predict infection for all Eimeria species
Robert Beckstead, *Ceva Animal Health, LLC*

Prevalance of Gastro-Intestinal Parasites in Backyard Chicken at Bharatpur-11, Nepal
Naresh Sah, *Nepal polytechnic Institute, College of Veterinary Science*

Leucocytozoonosis: Diagnosis and PCR analysis in avian species in Canada
Emily Martin, *Animal Health Laboratory, University of Guelph*

Reovirus

Understanding the variability of avian reovirus through adaptation attempts of the virus by serial passages in cell culture and embryonated chicken eggs
Abdul Rehman Bilal, *Department of Population Health and Reproduction, School of Veterinary Medicine, UC Davis*

Determination of Purity of an Avian Reovirus Isolate following Plaque Purification
Zubair Khalid, *Auburn University*

Amino Acid Sequence Confirmation and Peptide Analysis of Avian Reovirus Proteins by Mass Spectrometry
Steven Conrad, *USDA*

Construction of recombinant Marek's disease virus vaccine expressing sigma C proteins of avian reoviruses

Taejoong Kim, *Southeast Poultry Research Laboratory, US National Poultry Research Center, USDA-ARS*

Identification of the Role of Avian Reovirus Infection in Various Poultry Diseases in India

Namdeo Bulbule, *Assistant General Manager*

First Seroprevalence Survey of Avian Reovirus in Broiler Breeders Chicken Flocks in Morocco

Ahmed Achhal, *Clinique vétérinaire Tit Mellil*

Correlation Study Exploring the Relationship Between Maternal Titer and Maternal Antibody Levels in Turkeys for Reovirus

Evan VanBeusekom, *Hendrix Genetics - Hybrid Turkeys LLC*

Genotypic and pathological characterization of emerging avian reoviruses isolated from clinical cases in Georgia, USA

Sujit Mohanty, *USDA-ARS*

Proteomics of Avian Reovirus

Telvin Harrell, *United States Department of Agriculture*

Salmonella

Cross-protection conferred by a live-attenuated Salmonella Enteritidis vaccine against Salmonella Heidelberg and Salmonella Infantis challenge

Luiz Sesti, *Ceva Animal Health*

Evaluating Salmonella Serotype Bias in Various Enrichment Protocols

Katie Murray, *Georgia Poultry Laboratory Network*

A Novel Approach to the Salmonella ISR Genotyping of Field Isolates Using Nanopore Sequencing Technology

Scott Callison, *Ceva Animal Health*

Evaluation of different inactivated vaccines to control Salmonella on the performance and productivity of laying birds up to 37 weeks of age

Eva Hunka, *Phibro Animal Health Corporation*

Correlation between titers obtained in ELISA and Widal test for serological analysis of Salmonella groups B, C1 and D.

Eva Hunka, *Phibro Animal Health Corporation*

Live Salmonella Vaccine Compatibility with Competitive Exclusion Solution

Elizabeth Krushinskie, *Food Safety Risk Management Consulting LLC*

Evaluation of an Alpha-Monoglyceride Consumed in Broiler Chickens

Chad Malinak, *Phibro Animal Health Corporation*

Vaccinology

HVT-ILT-IBD: A Double Recombinant HVT-Based Vaccine for Protection Against IBDV and ILTV Plus Marek's Disease Virus

Paula Dyas, *Merck Animal Health*

Induction of protective mucosal immunity against avian coronavirus via nanoparticle-synchronized antigen and adjuvant delivery to the chicken Harderian gland

Hui-Wen Chen, *National Taiwan University*

Differences on Broilers Productive Performance Parameters Between Different Vaccination Protocols Against IBD and ND as Measured by a Statistical Analysis Model in Colombia

Camilo Andres Medina Santos,

Comparison of two vaccination programs against fowl adenovirus serotype 8b (FAdV-8b) in broiler breeders in Peru

Bruno García, *Ceva Animal Health Peru*

Efficacy of different inactivated vaccines against infection with the B serovar variant of Avibacterium paragallinarum from Argentina in laying hens

Martina Dardi, *Laboratorios HIPRA S.A.*

Correlation between the spray dye levels on the body of broilers and the corresponding viral load in the trachea 6 days after vaccination against Infectious Bronchitis Virus

Jose Emilio Dias, *Phibro Animal Health, Instituto Federal Catarinense, Concórdia – SC, Brazil*

Evaluation of vaccine take in commercial broilers flocks vaccinated with a homologous vaccine against Infectious Bronchitis Virus GI-23 lineage in Brazil

Jose Emilio Dias, *Phibro Animal Health, Instituto Federal Catarinense, Concórdia – SC, Brazil*

Monitoring of a rHVT vaccine against Marek's disease and Avian Influenza H5 in Broiler Breeders

Bruno García, *Ceva Animal Health Peru*

Effects of homologous vaccination against IBV GI-23 lineage on tracheal lesion, serology, antibiotic therapy, mortality, and airsacculitis condemnation in commercial broiler flocks in Brazil

Daiane Horn, *Universidade Federal do Paraná, Palotina - PR, Brazil*

Investigation of procedures and water quality impacting vaccine effectiveness in egg layers in Alberta

Muhammad Farooq, *University of Calgary*

Preliminary Evaluation of InvG as a Novel Salmonella Vaccine Candidate: Immunogenicity and Efficacy in Layer Chickens

Roshen Neelawala, *University of Florida*

Control of a Respiratory Complex in a Highly Challenged Region in Layers in Mexico

Francisco Rios-Cambre, *MSD Salud Animal Mexico*

Field evaluation of the efficacy of live E. coli and live Salmonella Typhimurium vaccination by parenteral administration in commercial layers

Fernando Ruiz-Jimenez, *Zoetis*

Before and after comparison from using Nobilis® SG9R on a commercial layer, using the Friedman test for repeated measurements, ANOVA non parametric equivalent of repeated measurements

Camilo Andres Medina Santos,

Evidence of booster response of rFP-gB (ILT) in high ILT prevalence areas in Peru

Claudia Carranza, *Ceva Salud Animal - Peru*

Mucosal and Serum Antibody Responses Elicited by Single Vaccination with Recombinant LaSota Virus Expressing IBV Spike in Chickens with NDV Maternal Antibodies

Camila Cuadrado, *Department of Pathobiology, College of Veterinary Medicine, Auburn University*

Virology

Respiratory and gastrointestinal microbiome analysis of chicken infected with infectious bronchitis virus (DMV/1639)

Heshanthi Herath, *Faculty of Veterinary Medicine, University of Calgary*

Inclusion Body Hepatitis (IBH) vaccines in Peru: an immunogenicity check

Claudia Carranza, *Ceva Salud Animal - Peru*

Vaccine Takes Evaluation of Turkey Herpesvirus vector - Newcastle Disease Recombinant Vaccine (HVT-ND) by Using on-site iPCR Analyzer

Keat Fu, *Aviagen Inc*

US-UK Collab: Influence of vaccines, host genetics, and mutation rates on the evolution of infectious diseases

John Dunn, *USDA-ARS, US National Poultry Research Center*

Comparative Transcriptome Analysis of Chicken Embryos after Infection with Low Pathogenic Newcastle Disease Virus (LONDV) from Wild Birds

Deepa Chaudhary, *Auburn University*

Genetic and pathogenic characterization of avian Paramyxovirus isolated from domestic birds in Perú (2004-2022)

María Eliana Icochea D'Arrigo, *Universidad Nacional Mayor de San Marcos*

Detection of Infections Laryngotracheitis Virus (ILT) circulating in broilers with and without clinical signs

Jose Linares, *Ceva Animal Health*

Identification and Functional Characterization of a Virokine Homologous to Chicken Interleukin-4 in Infectious Laryngotracheitis Virus

Stephen Spatz, *US National Poultry Research Center, ARS-USDA*

Sequence and phylogenetic analyses of chicken astroviruses (CAstVs) detected at Mississippi State University between 2016 to 2023 and associated with digestive and hatchability issues.

Alejandro Banda, *Poultry Research and Diagnostic Lab Mississippi State University*

Molecular characterization of emerging variants of turkey coronavirus associated with outbreaks in turkeys in 2023

Muhammad Luqman, *South Dakota State University*

Wealth of Knowledge

National Poultry Improvement Plan (NPIP): A Review of the Proposed Changes for the 46th Biennial Conference and the Federal Rulemaking Process

Elena Behnke, *USDA APHIS VS NPIP*

The Importance of Contact Time in Using Ultraviolet Light as a Disinfectant

Katherine Schaeffbauer, *Jennie-O Turkey Store*

Multi-causal respiratory disease and co-infection profiles in Latin America (2nd semester 2023): Brazil, Colombia and Peru as examples

Adam Jbenyeni, *Ceva Animal Health, France*

Management of vaccination program against Infectious Bronchitis Virus as a tool to reduce antibiotic therapy in broilers in Brazil

Josiane Schuvank Maculan Salvo, *Universidade Estadual do Centro Oeste (UNICENTRO) - Brazil*

Developing Sterile Insect Technique (SIT) using Wolbachia for potential biocontrol of Litter beetles (Alphitobius diaperinus)

Teresa Dormitorio, *Auburn University, Poultry Science Department*

Significance of Biosecurity Audits in Addressing High Pathogenic Avian Influenza (HPAI) Challenges

Mostafa Ghanem, *University of Maryland, College Park*

The Great, the Good, the Untestable Serum

Jaime Hamrick, *Georgia Poultry Laboratory Network*

Safety in Necropsy: Human Protection for Poultry Dissection

Adriana Guzman, *Georgia Poultry Laboratory Network*

Part 2: NPIP Salmonella Program Overview Specific to Pullorum-Typhoid

Katy Burden, *USDA NPIP*