

Sunday, June 11, 2023

Room		Champions ABCD	
8:00 AM	Opening Session		
8:15 AM	Keynote Speaker The Changing Global Landscape of Highly Pathogenic Avian Influenza David Swayne		
Room		Champions ABCD	Champions EFGH
Topic	Virology		Pathology
Moderator			
9:00 AM	Isolation and Characterization of Adenoviruses Associated with Inclusion Body Hepatitis in the United States and Disease Control Through Breeder Vaccination Milos Markis, <i>AviServe LLC</i>		Unusual Outbreaks of Neoplastic Disease in Broiler Breeders. Silvia Carnaccini, <i>Department of Population Health, College of Veterinary Medicine, University of Georgia</i>
9:15 AM	Egg Drop Syndrome 76 Transmission in Broiler Chickens Ramon Zegpi, <i>USDA</i>		Misdirection! A Case of Iatrogenic Head Tremors in Chicks Kathryn McCullough, <i>Poultry Diagnostic and Research Center, Population Health Department, University of Georgia</i>
9:30 AM	Double Trouble - Concurrent Egg Drops in Two Flocks of Turkey Breeder Hens Jake Carlson, <i>Select Genetics</i>		Characterizing Potential Physio Pathological Dynamics of a Woody Breast Myopathy in Modern Meat Broiler Lines Pramir Maharjan, <i>Tennessee State University</i>
9:45 AM	Reed Rumsey (Clinical Research) Award Winner Detection, Surveillance and Mechanical Transmission of Egg Drop Syndrome Ashley Hallowell, <i>Poultry Diagnostic and Research Center, College of Veterinary Medicine, The University of Georgia</i>		An Emerging Trend: Non-Inflammatory Spinal Cord Degenerative Myelopathy in Turkeys Jonathan Elissa, <i>Penn State Animal Diagnostic Laboratory</i>
10:00 AM	Break		
Topic	Virology		Welfare
Moderator			
10:15 AM	Effect of Marek's disease CVRM Vaccine on the Enhancement of Spontaneous ALV-like Tumors John Dunn, <i>USDA-ARS</i>		Implementing the 5 Domains Welfare Framework into a Poultry Welfare Program Kate Barger Weathers, <i>Cobb-Vantress</i>
10:30 AM	Replication of Avian Orthoavulavirus 1 (AOAV-1) and Induction of Innate Immune Response in TLR3 and MDA5 Knockout Quail (QT-35) and Chicken (DF-1) Cells Chang-Won Lee, <i>Southeast Poultry Research Laboratory, USDA-ARS</i>		A Survey Detailing Perceived Importance of Welfare and the Practical Aspects of Poultry Welfare Measurements on Farm Meagan Abraham, <i>Jennie-O Turkey Store</i>
10:45 AM	Comparative Transcriptomic Analysis of Commercial Layer and SPF Chicken Post Infection with a Lentogenic NDV-strain Jannis Nankemann, <i>Auburn University College of Veterinary Medicine, Department of Pathobiology</i>		Understanding Consumer Perceptions of Animal Welfare Danny Weathers, <i>Clemson University</i>

11:00 AM	Field Evaluation of Two Different Vaccination Protocols for Label Rouge Broilers in France: from the Hatchery to the Processing Plant Justine Trebault, <i>MSD Santé Animale</i>	Depopulation of Laying Hen Flocks Using Several CO2 Strategies Mike Petrik, <i>McKinley Hatchery</i>
11:15 AM	Antigenic Relatedness of Field Isolates of Avian Reovirus Isolated at the Poultry Diagnostic and Research Center of the University of Georgia Olatunde Oluwayinka, <i>Poultry Diagnostic and Research Center, Department of Population Health, University of Georgia</i>	Effects of Lighting on Poultry Welfare Ian Rubinoff, <i>Hy-Line North America</i>
11:30 AM	Field Vaccination of Turkey Breeder Candidates with Oral Chicken Reovirus Primer and Injectable Killed Turkey Reovirus Ben Wileman, <i>Select Genetics</i>	The Effect of Light Intensity on Grade and Performance in Regular Turkey Hens Laura Tensa, <i>Cargill</i>
11:45 AM	Systemic Invasiveness and Pathogenicity of an Avian Reovirus Field Isolate Compared to a Reference Strain Following Oral Inoculation Zubair Khalid, <i>Department of Pathobiology, Auburn University</i>	Effects of Mirror and Coloured Balls as Environmental Enrichment Tools on Performance, Welfare and Meat Quality Traits of Commercial Broiler Muhammad Shahid Zahoor, <i>University Of Veterinary and Animal Sciences Lahore</i>
12:00 PM	Lunch Break	
Room	Champions ABCD	
Topic	AAAP Women's Network Symposium: The Future of the AAAP...It's not all about the Science	
1:00 PM	Welcome/Introduction Andrea Zedek, <i>AWN Chair</i>	
1:10 PM	Bridging Generations in the Workplace Zahira Gonzalez, <i>Boehringer Ingelheim</i>	
1:55 PM	The Value of Personality Profiles Gail Stickney, <i>Cobb-Vantress</i>	
2:40 PM	Break	
3:00 PM	Unlocking Influence: Leverage Your Brain to Increase Your Impact Jacquie Stephens, <i>Neuroshift</i>	
4:00 PM	Panel Discussion: Experiences/Trends to Improve Soft Skills and Communication Jacquie Stephens, Zahira Gonzalez and Gail Stickney	
Room	Masters Ballroom	
5:00 PM	Poster Session and Reception	
6:30 PM	Adjourn	

Monday, June 12, 2023

Room	Champions ABCD	Champions EFGH
Topic	Infectious Bronchitis Virus	Enteric Health
Moderator		
8:00 AM	Identifying Infectious Bronchitis Virus Vaccines by Vaccine Takes in Commercial Broilers: Not All Vaccines are Created Equal Brian Jordan, <i>The University of Georgia</i>	Environmental Factors Outweigh the Impact of Antibiotic Growth Promoters on Cecal Microbiota Composition of Commercial Broiler Chickens Martine Boulianne, <i>University of Montreal</i>
8:15 AM	Efficacy of IBVAR206 Vaccine Against Challenge with Infectious Bronchitis Virus Arkansas Strain in SPF Chickens Dana Goldenberg, <i>Phibro Animal Health Corporation</i>	Microbiome Modulation by a Precision Biotic in Broilers Chickens: A Commercial Study Validation Cristiano Bortoluzzi, <i>DSM Nutritional Products</i>
8:30 AM	Evaluation of Safety and Efficacy of a DMV 1639 Infectious Bronchitis Virus Hyperimmunization Program in Broiler Breeders Alexandra Hovan, <i>University of Georgia College of Veterinary Medicine</i>	Effects of the Phytogetic Feed Additives on the Production Performance of NAE Broilers Callie McQuain, <i>EW Nutrition</i>
8:45 AM	Evaluation of IBV Protection Against Recent DMV1639 Isolates Using Molecular Techniques and Challenge Studies Jose Linares, <i>Ceva Animal Health</i>	Targeting Gut Neuroimmune Axis to Control Enterobacteriaceae in Chickens Melha Mellata, <i>Iowa State University</i>
9:00 AM	Protection of Laying Chickens After Heterologous Live Vaccine Priming and Heterologous or Homologous Inactivated Vaccine Boosting Against the Canadian DMV/1639 Infectious Bronchitis Virus Infection Mohamed Hassan, <i>Faculty of Veterinary Medicine, University of Calgary</i>	Induction of Protective Immunity Against Necrotic Enteritis by in Ovo Delivery of Oligodeoxynucleotides Containing CpG Motifs Prior to Vaccination of Broiler Chickens at Hatch with <i>C. perfringens</i> Antigens Hemlata Gautam, <i>University of Saskatchewan</i>
9:15 AM	Mimicking Maternally Derived Antibodies for Early Protection Against Infectious Bronchitis Virus in Chicks Rachel Jude, <i>Poultry Medicine Laboratory, School of Veterinary Medicine, University of California, Davis</i>	<u>Richard Rimler Award Winner</u> Focal Duodenal Necrosis: Identification of Potential Pathogens Contributing to the Disease in Layers Yuyang (Jerry) Tsai, <i>Department of Population Health, College of Veterinary Medicine, The University of Georgia</i>
9:30 AM	The Effect of Stabilizers on Live Attenuated Infectious Bronchitis Virus (IBV) Vaccine Under Different Temperature and pH Conditions. Kim Bouwman, <i>Poultry Diagnostic and Research Center, Department of Population Health, College of Veterinary Medicine, University of Georgia</i>	Dose- and Time-Dependent Effects of Campylobacter Jejuni Challenge on Growth Performance and Campylobacter Colonization in Broilers Hanseo Ko, <i>Department of Poultry Science, University of Georgia</i>
9:45 AM	Development of a Multiplex PCR Combined with Nanopore Sequencing for Identification of IBV Strains in Mixed infections David Wills, <i>University of Georgia</i>	Investigation into Increased Incidence of Gizzard Erosions in the Southeastern United States Matthew Jones, <i>Southern Poultry Research Group, Inc.</i>
10:00 AM	Break	

Topic	Vaccinology	Epidemiology
Moderator		
10:15 AM	Protection Efficacy of Bivalent and Trivalent HVT Recombinant Vaccines Against Infectious Laryngotracheitis (ILT) in Broilers Chickens Daniel Maekawa, <i>Merck Animal Health</i>	Interaction Among Variables Affecting Production Performance Dave Fernandez, <i>FSTAATS</i>
10:30 AM	Reed Rumsey (Basic Research) Award Winner Protection Efficacy of Recombinant HVT-ND-ILT and the Live Attenuated Tissue Culture Origin (TCO) Vaccines Against Infectious Laryngotracheitis Virus (ILTV) when Administered Individually or in Combination Roel Becerra, <i>Poultry Diagnostic and Research Center, Department of Population Health, College of Veterinary Medicine, University of Georgia</i>	Outbreak Management of High Pathogenic Avian Influenza in the Most Densely Populated Poultry Production Area in Germany Matthias Voss, <i>Lohmann Breeders</i>
10:45 AM	Vaccine Take Evaluation of Two Recombinant Vector HVT Vaccines Applied Simultaneously in Commercial Layers Jorge Chacon, <i>Veterinary Services - Ceva Animal Health, Brazil</i>	Evaluating the Risk of Moving HPAI-Vaccinated Turkey Breeder Hens to an Egg Production Farm or Other Premises Michelle Leonard, <i>University of Minnesota</i>
11:00 AM	Progress in Developing a Vaccine to Prevent/Decrease Colonization of Campylobacter Jejuni in Poultry. Roy Curtiss, <i>College of Veterinary Medicine, University of Florida</i>	Evaluating the Risk of Moving Uninfected Poultry Industry Product from HPAI Positive Premises to Market Rosemary Marusak, <i>University of Minnesota</i>
11:15 AM	Studies Demonstrating the Potential to Enhance Immunity and Improve Overall Efficacy of Live Salmonella Typhimurium (ST) Vaccination by Parenteral Administration Manuel Da Costa, <i>Zoetis</i>	Detection and Molecular Characterization of Influenza A Viruses Isolated from the Marine Wildlife in the Pacific Islands from Peru Juan More-Bayona, <i>Universidad Nacional Mayor de San Marcos</i>
11:30 AM	Efficacy of a Trivalent Coryza Inactivated Vaccine Against Challenges with Wild Type Avibacterium Paragallinarum Serovars A and C Alexandra Mendoza-Reilly, <i>Merck Animal Health</i>	Monte Carlo Simulations: A Solution for Improved Decision Making in the Poultry Industry Joan Torrent, <i>Oligo Basics USA LLC</i>
11:45 AM	Adenoviral Progeny Protection Results Francene Van Sambeek, <i>Elanco</i>	Broiler Breeder Pullet Salmonella Epidemiology Study: 2017-2020 Louise Dufour-Zavala, <i>GPLN</i>
12:00 PM	Lunch Break	
Topic	Wealth of Knowledge	Bacteriology
Moderator		
1:15 PM	Online Poultry Medicine Certificate Course for Practicing Veterinarians Richard Fulton, <i>Michigan State University</i>	Evaluation of a Mycoplasma synoviae Live Attenuated Vaccine Candidate in Chickens Naola Ferguson-Noel, <i>University of Georgia</i>
1:30 PM	Mortality in Broiler Breeder Males. What Field Experience is Telling Us. Jose Bruzual, <i>Aviagen</i>	The Detection of Avian Mycoplasma spp. in Fecal Matter from Poultry Mattie Capehart, <i>University of Georgia</i>
1:45 PM	Broiler Breeder Mortality Surveys - The Importance of Systematic and Continuous Post-Mortem Evaluations Harold Echeverry, <i>Aviagen</i>	Understanding the Length of Time Required for Campylobacter hepaticus to Infect or Cause Spotty Liver Disease in Chickens Catherine Logue, <i>University of Georgia</i>

2:00 PM	Impact of Heat on Blood Chemistry and Heart of Turkeys Rocio Crespo, <i>North Carolina State University</i>	Use of a Molecular Monitoring Tool for Campylobacter Detection in a US Poultry Integrator Ana Maria Villegas, <i>Evonik Corporation / Nutrition & Care, Kennesaw</i>
2:15 PM	Practical Considerations for Field Trial Design Kabel Robbins, <i>Butterball, LLC</i>	Comparing the Virulence Plasmid and Resistance Gene Landscape of Avian Escherichia coli from Differing Sources and Anatomical Sites Tim Johnson, <i>University of Minnesota</i>
2:30 PM	Poult Performance Using Different Supplementation Procedures Nisana Siman-Tov, <i>Hybrid Turkey LLC</i>	Point-of-Care Biosensors for the Detection of Antimicrobial Resistance Genes Rachel Munds, <i>Krishi Inc.</i>
2:45 PM	Biosecurity in an Endemic Eponitic Eric Gonder, <i>Consultant</i>	Assessing the Relationship Between O Serogroups and Virulence Gene Carriage in Georgia Poultry Colibacillosis Cases Klao Runcharoon, <i>University of Georgia</i>
3:00 PM	Break	
Topic	Wealth of Knowledge	Bacteriology
Moderator		
3:15 PM	Development of a National Veterinary Accreditation Module on “The Veterinarian’s Role in Preharvest Food Safety” Michelle Kromm, <i>Food Forward LLC</i>	Quantification and Characterization of Avian Pathogenic E. coli in Commercial Turkey Toms Elizabeth Kim, <i>Danisco Animal Nutrition & Health (IFF)</i>
3:30 PM	Utilizing Dry Hydrogen Peroxide As A Replacement For Formaldehyde In Commercial Poultry Hatcheries Kylie Bruce, <i>University of Georgia</i>	Impact and Efficacy of Utilizing a Modified Live E. coli Vaccine in Broilers Tak Niino, <i>Zoetis</i>
3:45 PM	Impact of a Feed Sanitizer on Broiler Breeder Mortality, Fertile Egg Contamination and Improvement of Chick Quality Enrique Montiel, <i>Anitox</i>	A Field Investigation of Positive Impact of a Live E.coli Vaccine on Performance of Selected Broiler Farms in BC, Canada Babak Sanei, <i>Zoetis Canada</i>
4:00 PM	Utilizing UV Lights in Service Rooms as Part of a Cleaning and Disinfection Protocol in Commercial Turkey Brood Barns Ashley Poissant, <i>Jennie-O Turkey Store</i>	Contamination of Enterococcus faecalis at the Hatchery and Presentation of Septicemic Disease in Young Broilers Martha Pulido-Landinez, <i>Mississippi State University</i>
4:15 PM	Comparison of Two Different Pipelines to Analyze RNAseq Data from Chicken Organs Ruediger Hauck, <i>Auburn University</i>	Optimization of Avibacterium paragallinarum Isolation Methods Mariela Srednik, <i>Department of Veterinary Microbiology and Preventive Medicine, College of Veterinary Medicine, Iowa State University</i>
4:30 PM	Investigating Imidacloprid Toxicity in Chicks Jenny Nicholds, <i>University of Georgia</i>	Necrotic Enteritis Lesions Are Not Always Correlated with the NetB Toxin Status of Clostridium Perfringens Strains Nicolas Deslauriers, <i>University de Montreal</i>
4:45 PM	Key Elements to Ensure Effective Prevention and Control of Avian Influenza Outbreaks Nathaniel Tablante, <i>University of Maryland College Park</i>	CpG-ODN-Induced Immune Cell Metabolism and Antimicrobial Trained Immunity in Chickens Iresha Subhasinghe, <i>University of Saskatchewan</i>
5:00 PM	Adjourn	
Room	Arbor Ballroom	
5:30 PM	Poultry Professional Networking Event	

Tuesday, June 13, 2023

Room	Champions ABCD	Champions EFGH
Topic	Diagnostics	Case Report
Moderator		
8:00 AM	<p>The Use of ATP Bioluminescence Technology to Monitor Key Aspects of Your Biosecurity Program Jantina De Vylder, <i>BioChek</i></p>	<p>Detection of Avian Encephalomyelitis Virus in Turkey Poults Nicholas Newsome, <i>Purdue University College of Veterinary Medicine/Indiana Animal Disease Diagnostic Lab</i></p>
8:15 AM	<p>Ct Values: Facts, Fallacies, and Best Practices for Use in Veterinary Research and Diagnostics Scott Callison, <i>Ceva Animal Health</i></p>	<p>The Impact of a Virulent Strain of Reovirus in a Heavy Tom Turkey Production Company Trent Eckle, <i>Farbest Farms Inc.</i></p>
8:30 AM	<p>Infectious Laryngotracheitis Virus (ILTV) Genotyping Assay by Multiplex PCR and High Throughput MinION Sequencing Yi Chen Luo, <i>Department of Population Health, College of Veterinary Medicine, Poultry Diagnostic & Research Center, University of Georgia</i></p>	<p>A Case of Ricketts in Commercial Poults Katie Stumvoll, <i>Jennie-O Turkey Store</i></p>
8:45 AM	<p><u>Dwight Schwartz Travel Scholarship Winner</u> Infectious Laryngotracheitis: A New Assay for Characterization from Clinical Samples with Less Genetic Material Miranda Painter, <i>Department of Veterinary Diagnostic and Production Animal Medicine Iowa State University</i></p>	<p>Egg Drop Syndrome Epidemic in Northeast Indiana 2021-2022: A Review of Disease Presentations and Containment/Control Strategies John Schleifer, <i>Devenish Nutrition, Inc.</i></p>
9:00 AM	<p>Optimizing Protocols for Monitoring a Novel Marek's Disease Vaccine (CVI-LTR) William Stanley, <i>Boehringer Ingelheim</i></p>	<p>Egg Drop Syndrome in Broiler Breeders in the United States Sabrina Hurst-Proctor, <i>Gaydos Technical Services, LLC</i></p>
9:15 AM	<p>Comparing Aviadenovirus Group Specific and Serotype Specific ELISAs to Virus Neutralization Reece Bowers, <i>Poultry Diagnostic and Research Center, Department of Population Health, University of Georgia</i></p>	<p>Managing an Outbreak of Highly Pathogenic Avian Influenza in a Layer Breeder Flock Isa Ehr, <i>Hendrix-Genetics, Hendrix-ISA LLC</i></p>
9:30 AM	<p>Nanopore Sequencing: Promises and Perils For Fast Identification and Accurate Characterization of IBV Directly From Clinical Samples Amro Hashish, <i>Department of Veterinary Diagnostic and Production Animal Medicine, College of Veterinary Medicine, Iowa State University</i></p>	<p>This Better Not Be HPAI...Acute Elevated Mortality in Layer Pullets Yuko Sato, <i>Iowa State University</i></p>
9:45 AM	<p>Use Infectious Bronchitis Vaccines Takes at 1- and 5-Days Post Vaccination to Evaluate Vaccine Delivery and Vaccine Interactions Robert Beckstead, <i>Ceva Animal Health</i></p>	<p>A Case of Cystic Oviducts and Egg Quality Issues in a Commercial Layer Flock Shayne Ramsubeik, <i>California Animal Health and Food Safety(CAHFS) Turlock</i></p>
10:00 AM	Break	

Room		Champions ABCD				
10:15 AM	History Lecture Centenary of the First Infectious laryngotracheitis (ILT) Report in the United States and Ninety Years of Vaccination Control <i>Maricarmen Garcia, Poultry Diagnostic and Research Center, University of Georgia</i>					
10:45 AM	Business Meeting					
12:00 PM	Lunch Break					
Topic	Committee Meetings					
Room	Players A	Players AB	Players BC	Heritage DE	Heritage C	
1:15 PM	Avian Bioscience Travel Scholarship Committee	Small Flocks Committee	AAAP Foundation Development Committee	Awards Committee	Preceptorship Committee	
Room	Players A	Heritage AB	Players BC	Heritage DE	Heritage C	Players D
2:00 PM	AAAP Foundation Scholarship Committee	Animal Welfare Committee	Education Committee	Membership Committee	Outreach Committee	Diseases of Public Health Significance Committee
Room	Players A	Heritage AB	Players BC	Heritage DE	Heritage C	
3:00 PM	Research Priorities Committee	Respiratory Diseases Committee	Enteric Diseases Committee	Toxic, Infectious, Miscellaneous & Emerging Diseases Committee	Food Safety Committee	
Room	Players A	Heritage AB	Players BC	Heritage DE		
4:00 PM	Avian Diseases Manual Editorial Board	Epidemiology Committee	Therapeutics, Biologics and Bioprotection Committee	Legislative Advisory Committee		
5:00 PM	Adjourn					
Room	Arbor Ballroom					
5:30 PM	Awards Banquet					

Wednesday, June 14, 2023

Room	Champions ABCD	Champions EFGH
Topic	Salmonella	Case Report
Moderator		
8:00 AM	<p>Pre-Harvest Salmonella Monitoring to Develop Risk Profiles for Directed Processing Nikki Shariat, <i>Poultry Diagnostic and Research Center, University of Georgia</i></p>	<p>Neurologic Signs in Turkey Poults: A Case of Avian Encephalomyelitis Ashley Anderson, <i>Iowa State University Department of Veterinary Diagnostic and Production Animal Medicine</i></p>
8:15 AM	<p>Examination of Salmonella Livingstone and Salmonella Mbandaka Identified in Poultry Supply Chain to Determine the Source of Contamination Using Whole Genome Sequencing Kathleen Sary, <i>Maple Leaf Foods - Canada</i></p>	<p>Erysipelas in Broiler Breeders? Natalie Armour Manginsay, <i>Poultry Research and Diagnostic Laboratory, College of Veterinary Medicine, Mississippi State University</i></p>
8:30 AM	<p>Salmonella Serotypes and Their Antimicrobial Resistance Profiles Characterizing Chicken Samples from USDA FSIS Regulated Poultry Establishments Based on Their Category Status Roxana Sanchez-Ingunza, <i>RSI Poultry Veterinary Consulting LLC</i></p>	<p>A Case of the FluDETECT or Fluke-DETECT? Jewell Bremer, <i>Select Genetics</i></p>
8:45 AM	<p>In silico and PCR Screening for Live Attenuated Salmonella Typhimurium Vaccine Isolates Maurice Raccoursier, <i>Poultry Diagnostic and Research Center, Department of Population Health, University of Georgia</i></p>	<p>Cecal Core and Necrotic Foci in Turkey Liver: What is Your Diagnosis? Vijay Durairaj, <i>Huvepharma Inc.</i></p>
9:00 AM	<p>Effectiveness of a Live Salmonella Typhimurium Vaccine in a S. Infantis Challenge Model in Broilers Bill Potter, <i>Elanco Animal Health</i></p>	<p>Emerging Reovirus Infections in Turkeys in Quebec, Canada Louise Mercier, <i>Services Veterinaires Louise Mercier inc</i></p>
9:15 AM	<p>The Impact of Salmonella Typhimurium and Coccidiosis Vaccine on the Intestinal Integrity in Broiler Chickens in the Late Stage of Production Andrea Pietruska, <i>Department of Pathobiology, Auburn University</i></p>	<p>Case Report Part 2: Clostridium Septicum Dermatitis and Septicemia in Commercial Egg Layers. Interventions, Diagnostics, and Unknowns. Mark Mouw, <i>Wilson Veterinary Co.</i></p>
9:30 AM	<p>An Evaluation of Two Commercially Available Live Salmonella Vaccines in Turkey Toms Molly Parker, <i>Butterball, LLC</i></p>	<p>Lameness in Young Broilers: The Case of the Rocky Chicks Peter O'Kane, <i>Slate Hall Veterinary Services</i></p>
9:45 AM	<p>Comparison of Commercial SE Whole Cell Bacterin and SRP Salmonella Vaccines in Chickens: Evaluation of Protection to Homologous and Multiple Heterologous Challenge Strains Don Ritter, <i>Poultry Business Solutions LLC</i></p>	<p>Case Study: Ricketts in Breeder Pullets Alexander Strauch, <i>Alexander Strauch Consulting</i></p>

Topic	Salmonella	Hatchery
Moderator		
10:00 AM	Break	
10:15 AM	Effects of Salmonella Enteritidis and Mild Intestinal Inflammation on Broiler Performance and Health Charles Hofacre, <i>Southern Poultry Research Group</i>	Session Keynote The Impact of Current Incubation Conditions on Embryo Temperature Profiles in Multistage and Single Stage Incubation in the US and the Outcomes in Chick Quality Donna Hill, <i>Donna Hill Consulting</i>
10:30 AM	Novel Adjuvant Salmonella Strains to Enhance Food Safety and Animal Health Vinicius Lima, <i>University of Florida</i>	
10:45 AM	Pullet Rearing Conditions and Susceptibility to Experimental Salmonella Enteritidis Infection Richard Gast, <i>USDA-ARS-US National Poultry Research Center</i>	Understanding the Recent Increase in Chick Mortality in Commercial Broiler Operations in the USA Matilde Alfonso, <i>Ceva Animal Health</i>
11:00 AM	AMSI, A Plant-Based Biocide, to Reduce Salmonella Infantis Loads in the Gut, and to Improve Performance in Broiler Chickens Felipe Mendy, <i>IFTA USA INC</i>	Updating Hatchery Quality Assurance to Fit Emerging Challenges Isabella Hannay, <i>Donna Hill Consulting</i>
11:15 AM	Overview of Salmonella Programs within NPIP Katy Burden, <i>USDA NPIP</i>	Histopathology in Chicks of Normal and Short Body Length at Hatch Frederic Hoerr, <i>Veterinary Diagnostic Pathology, LLC</i>
Room	Champions ABCD	
11:30 AM	Wellness Talk	
12:00 PM	Lunch Break	
Room	Champions ABCD	Champions EFGH
Topic	Avian Influenza	Coccidiosis
Moderator		
1:15 PM	Analysis of Available Vaccines for Highly Pathogenic Avian Influenza in the U.S. David Suarez, <i>Southeast Poultry Research Laboratory</i>	Concepts Concerning Coccidiosis: Host and Strain Specificity, Immunity, and Viable Control Programs Gregory Mathis, <i>Southern Poultry Research, Inc.</i>
1:30 PM	Antigenic Map of the Hemagglutinin of Influenza A Virus of the H9 Subtype C. Joaquin Caceres, <i>Department of Population Health, College of Veterinary Medicine, University of Georgia</i>	3 Years of Field Data of US Broiler Performance Under Different Coccidiosis Control Programs Ha-Jung Roh, <i>Merck Animal Health, Madison, NJ</i>
1:45 PM	Development of a Modified Live Attenuated Influenza Virus Vaccine Against H9N2 for Poultry Flavio Cargnin Faccin, <i>Department of Population Health, College of Veterinary Medicine, University of Georgia</i>	Evaluation of the Effects of Litter Moisture on Cycling of Coccidiosis Vaccine: Part II Nicholas Brown, <i>Huvepharma, Inc.</i>
2:00 PM	Transgenic Approaches for Control of Highly Pathogenic Avian Influenza Virus in Poultry Kelsey Briggs, <i>USDA-ARS-USNPRC</i>	Effects of Different Oocyst Doses of Turkey Coccidia Eimeria meleagridis and E. adenoeides on Growth Performance, Intestinal Health, and Bone Quality in Turkeys Doyun Goo, <i>Department of Poultry Science, University of Georgia</i>

2:15 PM	Evaluating the Impact of IBDV-Mediated Immunosuppression on the Shedding and Evolution of a Mallard Avian Influenza Virus (AIV) in Chickens <i>Andrew Broadbent, Department of Animal and Avian Sciences, University of Maryland</i>	Using Infrared Camera Technology to Predict Coccidiosis Oocyst Survival During Brood <i>Kelli Jones, Ceva Animal Health (USA)</i>
Topic	Infectious Bursal Disease	Coccidiosis
2:30 PM	IBD Study Comparing rHVT-IBD Vaccine Protection Against AL2 Virus in Broilers Challenged at 25 Days of Age <i>Kalen Cookson, Zoetis</i>	Direct, Prolonged Exposure to Various Doses of Essential Oils Does Not Impact the Integrity of Coccidiosis Species Derived from Live Vaccines <i>Melchior de Bruin, Nutreco Exploration, Nutreco</i>
2:45 PM	Efficacy Evaluation of Three Infectious Bursal Disease Vaccines by Quantifying the Viral Replication in Bursal Tissues in a Vaccination/Challenge Model <i>Hugo Ramirez, Poultry Research and Diagnostic Laboratory - Mississippi State University</i>	Anticoccidial Efficacy Evaluation <i>Hector Cervantes, University of Georgia</i>
3:00 PM	Break	
Moderator		
3:15 PM	Evaluation of Protection Against T1-Like Variant Infectious Bursal Disease Viruses Using Dual Recombinant HVT-ND-IBD Vaccine Alone and in Combination with Live Intermediate Strain and 89/03 Strain of IBDV Vaccine <i>Andres Montoya, Merck Animal Health</i>	A Practical Approach to Immunizing Chickens Against Coccidiosis Using in Ovo Injection of Eimeria maxima Oocysts and Sporocysts <i>Mark Jenkins, Animal Parasitic Diseases Laboratory, ARS, USDA</i>
3:30 PM	Amino Acid Sequence and Phylogenetic Analyses of Segments A and B of Recent Infectious Bursal Disease Field Strains in Southern United States. <i>Alejandro Banda, Poultry Research and Diagnostic Laboratory Mississippi State University</i>	Administering Coccidiosis Vaccine in the Drinking Water Improves E. maxima Uptake in Broiler Chickens <i>Jon Schaeffer, Zoetis</i>

Topic	Infectious Bursal Disease	Avian Influenza
3:45 PM	<p>Molecular Characterization of Infectious Bursal Disease Virus (IBDV) Strains Circulating in the Delmarva (DMV) Peninsula from 2019-2023</p> <p>Sofia Egana-Labrin, <i>Department of Animal and Avian Sciences, University of Maryland</i></p>	<p>Comparative Pathology of Chickens Naturally Infected with Highly Pathogenic Avian Influenza Viruses H5N2 clade 2.3.4.4c in 2014 and H5N1 Clade 2.3.4.4b in 2022</p> <p>Cheng-Shun Hsueh, <i>Iowa State University</i></p>
4:00 PM	<p>Introduction of Genogroup-Specific RT-qPCR Methodology for Rapid Biomolecular Typing of IBDV</p> <p>Martin Liman, <i>AniCon Labor GmbH</i></p>	<p>Identification and Genome Characterization of Highly Pathogenic H5N1 Avian Influenza A from Wild Birds in Peru</p> <p>Gina R. Castro-Sanguinetti, <i>Universidad Nacional Mayor de San Marcos</i></p>
4:15 PM	<p>Let's Talk About IBDV in Layers</p> <p>Fernando Ruiz-Jimenez, <i>Zoetis</i></p>	<p>Characterizing the Wildlife-Poultry Interface in a High-Risk Area for Avian Influenza Introduction: Camera Traps in Poultry Farms and Molecular Epidemiology in Waterfowl</p> <p>Giulia Graziosi, <i>Department of Veterinary Medical Sciences, University of Bologna</i></p>
4:30 PM	<p>Early Infection by Strains of Infectious Bursal Disease Virus Belonging to Genogroup 4 in Commercial Broiler Flocks in Brazil</p> <p>Jose Emilio Dias, <i>Instituto Federal Catarinense, Concórdia</i></p>	<p>A Lesson in Acronyms</p> <p>Emily Pittman, <i>Georgia Poultry Laboratory Network</i></p>
4:45 PM	<p>Effect of Seroconversion to Infectious Bursal Disease on Physiological and Biochemical Parameters of Broilers</p> <p>Daniel Venne, <i>Ceva Animal Health</i></p>	<p>Nanopore Sequencing: Evaluation of Enrichment Methods for Avian Influenza Virus Recovery from Clinical Samples</p> <p>Maria Chaves, <i>Department of Veterinary Diagnostic and Production Animal Medicine, Iowa State University</i></p>
5:00 PM	Adjourn	

AAAP Posters

Poster should be placed in the Masters Ballroom on Sunday, June 11, by 12:00 PM and taken down on Wednesday, June 14, by 5:00 PM. Presenters should be present by their poster during the poster session on Sunday, June 11 from 5:00 PM – 6:30 PM.

Antimicrobial

1: Safety of a Fixed Antimicrobial Coating Alone or in Combination with Other Antimicrobials on Commercial Fertile Eggs.

Ivan Alvarado, *Merck*

2: Equisul-SDT Dose Variance Study in Turkeys

Adam Mueller, *Swine Services Unlimited*

3: TiaGard (tiamulin) Dose Variance Study in Turkeys

Adam Mueller, *Swine Services Unlimited, Inc.*

4: Minimum Inhibitory Concentration (MIC) of Mycoplasma spp Isolates Obtained from the South Indian Poultry Production Region

Esther Schonewille, *ECO animal health Ltd.*

5: Antimicrobial Usage in Turkey Production in the United States, 2013 – 2021

Randall Singer, *University of Minnesota*

6: Antimicrobial Usage in Broiler Chicken Production in the United States, 2013 – 2021

Randall Singer, *University of Minnesota*

7: Antimicrobial Usage in Egg Production in the United States, 2016 – 2021

Randall Singer, *University of Minnesota*

8: Relationship Between Antimicrobial Use and Resistance in Salmonella, Campylobacter and E. coli from an On-Farm U.S. Broiler Production Monitoring System: 2020-2022

Randall Singer, *University of Minnesota*

9: On-Farm Monitoring of Antimicrobial Use and Resistance in U.S. Broiler Production: 2020-2022

Randall Singer, *University of Minnesota*

Avian Influenza

10: Virulent Avian Influenza Virus in Algebra

Naouel Ammali, *Université de Blida 1*

11: Protective Efficacy of Inactivated Trivalent-H5 Vaccine Against Challenge with Both HPAIV-H5N1 and -H5N8 Viruses in Turkey Poult Under Both Laboratory and Field Conditions

Wael Elfeil, *Veterinary Medicine College, Suez Canal University*

12: Assessment of Inactivated Avian Influenza H5N8 Vaccines with Different Adjuvants

Wael Elfeil, *Avian and Rabbit Medicine Department, Faculty of Veterinary Medicine, Suez Canal University*

13: Efficacy of Inactivated Multivalent AIV-H5 Vaccine Against Highly Pathogenic Avian Influenza Clade

2.3.4.4 Subtype H5N8 And H5N6

Wael Elfeil, *MEVAC for Vaccines*

14: Feather Tropism of H5 Highly Pathogenic Avian Influenza Viruses in Naturally and Experimentally Infected Domestic Waterfowl

Nicolas Gaide, *IHAP, Université de Toulouse, Ecole Nationale Vétérinaire de Toulouse (ENVT), National Research Institute for Agriculture Food and Environment (INRAE)*

15: Highly Pathogenic Avian Influenza Outbreak, What to Expect

Rodrigo Gallardo, *University of California, Davis*

16: Active Surveillance of Avian Influenza A Virus in Wild Birds from Poultry Feed Mills and Water Bodies from the Peruvian Coast

Rosa Gonzalez, *Universidad Nacional Mayor de San Marcos*

17: Starling Movements: Connectivity at the Human-Wildlife Interface

Ursula Hofle, *SaBio (Health and Biotechnology) Research Group, National Game and Wildlife Research Institute IREC (CSIC-UCLM), Ciudad Real, Spain*

18: Genome Characterization of Influenza A Virus from Clinical Cases of Domestic Birds Received at the Faculty of Veterinary Medicine in the Universidad Nacional Mayor de San Marcos, Peru

Maria Eliana Icochea Darrigo, *Universidad Nacional Mayor de San Marcos*

19: Serological Cross Reactivity from Experimentally Vaccinated Birds Against the Clade 2.3.4.4b Highly Pathogenic Avian Influenza Virus

Darrell Kapczynski, *USDA-ARS-USNPRC*

20: Nanopore Sequencing as a Rapid Tool for Identification and Pathotyping of Avian Influenza Viruses

Paul Kotturi, *Oxford Nanopore Technologies*

21: Characterization of Immune Escape Mutants of H7 LPAIV Selected by Homologous and Heterologous Sera.

Jiho Lee, *Exotic and Emerging Avian Viral Diseases Research Unit, Southeast Poultry Research Laboratory, U.S. National Poultry Research Center, Agricultural Research Service, USDA*

22: Blue-Winged Teals in Guatemala and Their Potential Role in the Ecology of H14 Subtype Influenza A Viruses

Lucia Ortiz, *University of Georgia*

23:

Mary Pantin-Jackwood, *Southeast Poultry Research Laboratory U.S. National Poultry Research Center U.S. Dept. of Agriculture, Agricultural Research Service*

24: Mapping HPAI: An Illustration of the 2022 Outbreak in the United States

Nicki Smith, *Georgia Poultry Laboratory Network*

25: The Pathogenesis of US H5 HPAIV in Mallard Ducks

Erica Spackman, *SEPRL, USDA-ARS*

26: A Field Perspective on the Impact of Low Pathogenic Avian Influenza Virus on Turkey Breeders and Vaccine Approaches

Marissa Studniski, *Select Genetics*

Bacteriology

27: Deconstruction of a Multi-strain Bacillus-Based Probiotic Used for Poultry: an in Vitro Assessment of its Individual Components Against *C. perfringens*

Vinicius Buiatte, *The Pennsylvania State University, Department of Animal Science*

28: Core Genome Multilocus Sequence Typing (cgMLST) for Poultry Bacterial Pathogens Typing: The Future is Now

Mohamed El-Gazzar, *Iowa State University*

29: Using qPCR as a Genotyping Method for Infectious Coryza

Rodrigo Gallardo, *University of California, School of Veterinary Medicine*

30: Bacterial Diversity and Characterization of *Staphylococcus xylosum* Isolated from Layer Chicken Barn Bioaerosols in Alberta, Canada

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

31: Antimicrobial Susceptibility Profile and Genetic Characterization of *Ornithobacterium rhinotracheale* Isolates from Commercial Poultry in the United States

Mostafa Ghanem, *University of Maryland-College Park*

32: A New Solution for Managing Fowl Cholera

Jeremy Griffel, *Phibro Animal Health*

33: Extracellular Membrane Vesicles from *Clostridium perfringens* as a Vaccine Strategy Against Necrotic Enteritis

Laura Alejandra Guerrero Tinjaca, *Poultry research scientist at Faculté de Médecine vétérinaire, Université de Montréal*

34: Diagnostic Approach for Identifying Avian Pathogenic *E. coli* (APEC) based on Molecular Serology and Virulence Characterization from the State of Georgia Isolates.

Muhammad Haque, *university of georgia*

35: Complete Genome Sequences of Two Non-typical *Avibacterium Paragallinarum* Strains Isolated from Clinically Normal Chicken Flocks

Amro Hashish, *Department of Veterinary Diagnostic and Production Animal Medicine, College of Veterinary Medicine, Iowa State University*

36: Genome Comparison of *Campylobacter Hepaticus* Isolated in Georgia, USA

Julia Ines-Lima, *Department of Population Health, University of Georgia*

37: Divergent Chicken Genetics Correlate with Shifts in Cecal Associated Antimicrobial Resistance Transfer Ex Vivo

Logan Ott, *Interdepartmental Microbiology Graduate Program, Iowa State University, Ames IA*

38: The Isolation of Salmonella and the Corresponding Serotypes from Poultry

Doug Waltman, *Georgia Poultry Laboratory Network*

Case Report

39: First Report of Avian Encephalomyelitis Virus in Broiler Chicks in Morocco: A Case Report

Ahmed Achhal, *Clinique vétérinaire Tit Mellil*

40: The Devil is in the Details: How to Effectively Reduce Turkey Respiratory Disease through Grower Communication Strategies and On-Farm Management

Elizabeth Beilke, *West Liberty Foods, LLC.*

41: Reproductive Disorders in Captive Houbara Bustards

Manuela Crispo, *IHAP, Université de Toulouse, Ecole Nationale Vétérinaire de Toulouse (ENVT), National Research Institute for Agriculture Food and Environment (INRAE)*

42: Budgerigar (*Melopsittacus undulatus*) Ventriculitis Associated with Millet

Richard Fulton, *Michigan State University*

43: Clostridial Infection of the Proventriculus and Ventriculus in Broiler Breeder Pullets

Thomas Gaydos, *Gaydos Technical Services, LLC*

44: The Salt Was Normal

Seiche Genger, *Elanco Animal Health*

45: Multiple Cases of Turkey Breeder Flocks with Unusual Drops in Egg Production

Elise Gerken, *Cooper Farms*

46: Infections Involved in Respiratory Diseases in Broiler at Different Ages

Priscila Lopes, *Vaxxinoa Brasil*

47: Riboflavin Deficiency in Multiple Ontario Broiler Flocks

Emily Martin, *Animal Health Laboratory, University of Guelph*

48: Riemerella Anatipestifer Associated to Polyserositis in Caged Laying Hens : A Case Report.

Mouahid Mohamed, *Cabinet Vétérinaire MOUAHID*

49: Misapplied Insecticide: Why Chemicals and Eyes Do Not Mix

Emily Pittman, *Georgia Poultry Laboratory Network*

50: Case Study of Avian Nephritis in UK Broiler Flocks

Christopher Poulos, *Animal and Plant Health Agency (Lasswade)*

51: Managing Two Canadian Broiler Breeder Flocks with Histomoniasis Diagnosed at the Onset of Lay: Review of their Clinical Symptoms and Intervention Strategies

Kathleen Sary, *Maple Leaf Foods - Canada*

52: Clinical Experiences with Treating Inclusion Body Hepatitis

Marie Severyn, *Corporate Veterinarian, Amick Farms, LLC*

53: The Importance of Compliance – A Case Study of Multiple Blackhead Flocks On A WI Farm

Jolene Tourville, *Jennie-O Turkey Store*

54: Case Study: Turkey Cellulitis Control

Brian Wooming, *Cargill*

Diagnostics

55: Validation of Pooled Samples in BHI for Mycoplasma Testing

Len Chappell, *GPLN Special Projects*

56: The Importance of Day Old Chicks Detection for Salmonella spp. with Rapid On-Site PCR Test, A Case Study in Taiwan

Keat Fu, *Aviagen Inc.*

57: Using On-Site PCR for Epidemiological Investigation of Salmonella Spp. in Taiwanese Broiler Farm

Keat Fu, *Aviagen Inc.*

58: Unfit Birds: Samples Unsuitable for Testing in the Necropsy Department

Adriana Guzman, *Georgia Poultry Laboratory Network*

59: Development of an Enzyme Linked Immunosorbent Assay for Detection of Enterococcus Cecorum in Chickens

Roxanne Lopardo, *AVS Bio*

60: Turkey Enteric Rotavirus PCR Test Lacks Correlation with Clinical Enteritis

Duane Murphy, *Farbest Farms, Inc.*

61: 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 México*

Enteric Health

62: Evaluating the Efficacy of Dietary Bacitracin Methylene Disalicylate and Sodium Butyrate on Intestinal Physiology of Broilers During a Subclinical Necrotic Enteritis Challenge

Shailes Bhattarai, *University of Georgia*

63: Weight Gain in Commercial Broiler Chickens is Correlated to Lachnospiraceae Abundance and Bacterial Species Diversity in the Cecal microbiota

Martine Boulianne, *University of Montreal*

64: Feed Passage From a Field Perspective

Timothy Cummings, *Zoetis*

65: Comparison of the Effects Obtained from Eubiotics and Antibiotics Programs Used In-Feed in Different Real-Life Scenarios with a Moderate Environmental Challenge in Coccidia-Vaccinated Broilers

Luis Gomez, *Phibro Animal Health Corporation*

66: Intestinal Histopathology Related to Fecal Parameters in Broiler Chickens

Frederic Hoerr, *Veterinary Diagnostic Pathology, LLC*

67: Effect of Quillaja and Yucca Saponins and Polyphenol Combination on Broiler Performance, Health and Welfare and Potential to Reduce the Use of Antibiotics

Charles Siregar, *Phibro Corporation Ltd*

68: Effect of a Quillaja-Yucca Combination When Fed at Different Age Duration on Broiler Chicken Fecal Salmonella Shedding, Live Performance, and Breast Yield When Reared in a Typical Poultry Industry Disease Challenge Model

Blair Telg, *Phibro Animal Health*

69: Effect of the Addition of a Concentrated Combination of Quillaja and Yucca Biomass on Production Parameters, Intestinal Morphometrics and Skin Pigmentation of Broilers.

Juan Valladares, *Phibro Animal Health Corporation*

Infectious Bronchitis Virus

70: Comparative Pathogenesis of California 1737/04 (CA1737/04) and Massachusetts (Mass) Infectious Bronchitis Virus Infections in Laying Hens

Ahmed Ali, *Faculty of Veterinary Medicine, University of Calgary*

71: Serologic and Zootechnical Monitoring of Two Broiler Breeder Flocks Vaccinated with Multivalent Inactivated Vaccines Containing MASS and IBV Variant Antigenic Fractions

Claudia Carranza, *Ceva Animal Health - Peru*

72: Economic Impact Reduction from IBV Q1 Variant Infection in Layers Using a Multivalent Inactivated Vaccine with Mass and QX Antigenic Fractions

Claudia Carranza, *Ceva Animal Health - Peru*

73: Effects of Mixing of Commercial Probiotic Products with Infectious Bronchitis Vaccine Solution

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

74: Pathogenicity of Infectious Bronchitis Virus Massachusetts and Delmarva (DMV) 1639 Strains: A Comparative Study

Muhammad Farooq, *University of Calgary*

75: Prevalence of Infectious Bronchitis Virus (IBV) in Broilers During 2021 and 2022 in Paraná – Brazil

Edmilson Freitas, *Vaxxinova*

76: Revaccination of Broiler Chickens in the Field in a Region with High Infection Pressure by GI 23 Genotype.

Edmilson Freitas, *Vaxxinova*

77: Protective Efficacy of Live Attenuated QX Type Infectious Bronchitis Virus Vaccine Against Variant QX Type IBV Circulating in South Korea

Gyeong Bin Gwon, *Choong Ang Vaccine Laboratories Co., Ltd. Daejeon*

78: Analysis of Gel-Pac® as a Diluent for Combined Infectious Bronchitis Virus and Coccidia Vaccine Application via Gel-Drop

Brian Jordan, *The University of Georgia*

79: Unique Variants of Avian Coronaviruses from Backyard Chickens in Kenya

Henry Kariithi, *Exotic and Emerging Avian Viral Diseases Research Unit, Southeast Poultry Research Laboratory, USDA-ARS*

80: Complete Genome Sequencing of Novel Recombinant Infectious Bronchitis Viruses in Korea

Heesu Lee, *Avian Diseases Laboratory, College of Veterinary Medicine, Konkuk University, Seoul, South Korea*

81: IBV Molecular Surveillance using Oxford Nanopore MinION Sequencing

Renato Luciano, *Biological Institute*

82: Genome Variability of Infectious Bronchitis Virus from Mexico: High Diversity and Recurrent Recombination

Ana Marandino, *Sección Genética Evolutiva, Departamento de Biología Animal, Instituto de Biología, Facultad de Ciencias, Universidad de la República*

83: Review of the Detection of Infectious Bronchitis Virus Strains in Industrial Poultry in Ecuador from 2013 to 2022

Sebastian Mena, *Dimune S.A., Ecuador*

84: Identification of Infectious Bronchitis Virus Variant Strains in Peruvian Broiler and Layer Farms During the Period 2018-2022

Cesar A. Reyes, *MSD AH*

85: Genetic Typing of Infectious Bronchitis Virus in Mexico in 2021 and 2022

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

Infectious Bursal Disease

86: Flow Cytometric Evaluation of Bursal Immune Cell Profiles Post Infectious Bursal Disease Virus Challenge

Julia Blakey, *USDA ARS SEPRL*

87: Efficacy Evaluation of Commercial Immune-Complex Vaccine Against the Experimental Challenge by Brazilian Very Virulent G11 Strain of Infectious Bursal Disease Virus

Gabrielle Bragaglia, *Vaxxinoa Brazil*

88: Antigenic Cartography Analysis of Chimeric Recombinant IBDV Strains Can Be Used to Identify Hypervariable Region Sequences that Induce Broadly Cross-Neutralizing Antibody Responses Against Diverse Strains

Andrew Broadbent, *University of Maryland*

89: Comparison of Bursal Lesions in Vaccinated Commercial Broiler Flocks Infected by Three Different Strains of Infectious Bursal Disease Virus

Jose Emílio Dias, *Instituto Federal Catarinense, Concórdia*

90: Characterization of the Variant A IBDV in Commercial Broilers in Peru

Bruno Garcia, *Ceva Peru*

91: Full Length Sequence Analysis of Both Genome Segments of Two Infectious Bursal Disease Viruses Isolated from California

Sujit Mohanty, *United States Department of Agriculture, Agricultural Research Service, U.S. National Poultry Research Center, Southeast Poultry Research Laboratory*

92: Analysis of Field Samples Collected from Farms Under Different Vaccines Programs Against IBDV Between 2015 and 2021 in Argentina

Pablo Sansalone, *Phibro Animal Health Company*

93: A Rapid and Cost-Effective Amplicon-Based Method for Next-Generation Genome Sequencing of the Infectious Bursal Disease Virus

Claudia Techera, *Sección Genética Evolutiva, Instituto de Biología, Facultad de Ciencias, Universidad de la República*

94: Genetic Characterization of Argentine Infectious Bursal Disease Virus Strains

Gonzalo Tomas, *Sección Genética Evolutiva, Instituto de Biología, Facultad de Ciencias, Universidad de la República*

Mycoplasma

95: The Detection of Mycoplasma synoviae in Fecal Matter from Poultry

Michael Rose Davis, *University of Georgia*

96: Molecular Epidemiologic Analysis of Mycoplasma Synoviae Cases from Alabama

Mohammadreza Ehsan, *Thompson Bishop Sparks State Diagnostic Lab*

97: A Longitudinal Study of the Mycoplasma Vaccine (MSH and ts-11) Populations and Serological Responses in Two Unchallenged Vaccinated Layer Flocks in Australia

Chris Morrow, *Bioproperties*

98: Molecular Detection and Characterization of Mixed Mycoplasma gallisepticum and Mycoplasma synoviae Infections on Poultry Farms in Nigeria

Eniopo Oluwayinka, *Poultry Diagnostic and Research Center, Department of Population Health, College of Veterinary Medicine, University of Georgia*

99: Chick Quality in Vaxsafe MS Vaccinated Breeder Flocks

Francisco Perozo, *Boehringer Ingelheim*

100: Pathology and Antibiotic Sensitivity Associated with Outbreaks of Respiratory Disease in British Game Birds that Include Mycoplasma gallisepticum (2016 to 2019)

Christopher Poulos, *Animal and Plant Health Agency (UK)*

Newcastle Disease Virus

101: Molecular Studies on Newcastle Disease Virus Isolates in Relation to Field Vaccine Strains in Egypt (2012-2015)

Amal Abdallah, *Agriculture Research Center, Animal Health Research Institute, Konkuk University*

102: Characterizing miRNA Regulated Pathways That Modulate Avian Orthoavula Virus 1 (AOAV-1) Replication.

Abhijeet Bakre, *USDA*

103: NDV Vaccination in Backyard Unconventional Poultry Flocks

Rodrigo Gallardo, *University of California, Davis*

104: Repeated Isolation of Avian Orthoavulavirus Serotype 13 in Ukraine

Iryna Goraichuk, *Southeast Poultry Research Laboratory, Agricultural Research Service, U.S. Department of Agriculture*

105: Introduction of a Novel Newcastle Inactivated Vaccine (r NDV-LS-HNgVII) Developed by Phibro for the Israeli Poultry Industry. Field Trial Results and Data from Commercial Usage.

Eitan Kin, *Phibro Animal Health*

106: Newcastle Disease Virus in Brazilian Pigeons

Helena Lage Ferreira, *Department of Veterinary Medicine, FZEA- USP, University of Sao Paulo*

107: Toll-Like Receptor Ligands Enhance Vaccine Efficacy Against Virulent Newcastle Disease Virus Challenge in Chickens

Chang-Won Lee, *Southeast Poultry Research Laboratory, USDA-ARS*

108: Monitoring of Serological Response to NDV Vaccination in Commercial Layers Immunized with HVT-Based Vaccines

Cesar A. Reyes, *MSD AH*

109: Biosurveillance of Newcastle Disease Virus in Multiple Avian Species in Pakistan during 2011-2021

Abdul Wajid, *Department of Biotechnology, Balochistan University of Information Technology, Engineering and Management Sciences*

Parasitology/Coccidiosis

110: Saponin-Rich Plants Mixture Supports Coccidiosis Vaccination Program in Broiler Chickens: A Case Study of Floor Pen Challenge Model

Mohammed el Amine Benarbia, *NOR FEED, Beaucouzé*

111: The Effects of a High-Flavonoid Corn in Chickens Experimentally Infected with Eimeria Maxima as Part of a Necrotic Enteritis Model

Vinicius Buiatte, *The Pennsylvania State University, Department of Animal Science*

112: Compromised Bone Homeostasis in Modern Day Broilers Challenged with Bacterial Lipopolysacchadrides and Mixed Eimeria Cocktail

Venkata Sesha Reddy Choppa, *Department of Poultry Science, University of Georgia*

113: Evaluation and Comparison of Performance and Level of Coccidia Immunity of Coccidia Vaccinated Broiler Chickens Fed Various Feed Additives in a Bioshuttle Program

Brandon Doss, *Huvepharma Inc.*

114: Evaluation of the Development of Resistance Following Continuous Use of Synthetic Anticoccidials

Leslie Johnson, *Huvepharma, Inc.*

115: Calprotectin (Avian MRP126) as a Fecal Biomarker for Coccidiosis in Broiler Chickens

Mahmoud Mahmoud, *The Pennsylvania State University*

116: Evaluation of Different Coccidial Control Programs in Broiler Breeder Pullets in a Commercial Production.

Chad Malinak, *Phibro Animal Health Corporation*

117: Blackhead - Disease Review: Past and Current Prevention and Control Strategies

Jaime Ruiz, *Poultry Technical Consultant*

118: Coccidia Lesion Score and Performance in Broilers Fed a Nicarbazin-Potentiated Ionophore Up to 21 Days Followed by Different Ionophore Classes in Growing and Final Phases in the Presence of a Brazilian Field Coccidia challenge

Patricia Tironi Rocha, *Phibro Animal Health Corporation*

Pathology

119: Chronic Respiratory Syndromes in Captive Houbara Bustards: Clinicopathological Overview and Diagnostic Investigation

Manuela Crispo, *IHAP, Université de Toulouse, Ecole Nationale Vétérinaire de Toulouse (ENVT), National Research Institute for Agriculture Food and Environment (INRAE)*

120: Necropsy of Back Yard Chickens: A "Wet Lab" on Poultry Oncology

James Davis, *Georgia Poultry Laboratory Network*

121: A Retrospective Study on Transmissible Viral Proventriculitis Causing High Condemnation Rates in Argentina

Carlos Gornatti-Churria, *CAHFS Turlock branch, School of Veterinary Medicine, University of California-Davis*

122: Validating a Model of Hypocalcemia in Laying Hens

Mayra Tsoi, *Michigan State University*

Salmonella

123: Temporal Salmonella Prevalence and Quantity in Broiler Production

Emily Cason, *University of Georgia*

124: Salmonella spp. Isolated from Commercial Game Bird Clinical Cases in Missouri and Kansas: Retrospective Study

Maria Dashek, *University of Missouri - Veterinary Medical Diagnostic Laboratory*

125: Salmonella Pullorum and Gallinarum Testing - A Review and Look Forward

Elana Huong, *Hendrix Genetics*

126: Using Antibiotic Selection to Improve Salmonella Isolation in Infection Studies

Vinicius Lima, *University of Florida*

127: Determination of Salmonella Enterica Serovar Typhimurium (ST21) Colonization Potential in the Gastro-Intestinal System and Internal Organs Under Experimentally Challenged Conditions in Commercial Broilers

Manjunatha Mahabalarao, *Labrotur Research & Consultancy Services, LLC*

128: Efficacy Evaluation of Sx, A Novel GRAS Chemical Mixture, on Reducing the Salmonella enterica Serovar Typhimurium Contamination of Broiler Carcasses in a Wing Wash Model

Manjunatha Mahabalarao, *Labrotur Research & Consultancy Services, LLC*

129: An Avian Pathogenic E. coli Vector System for Delivering Heterologous Vaccine Antigens in Poultry

Roshen Neelawala, *Graduate Teaching Assistant, College of Veterinary Medicine, University of Florida*

130: Serological Evaluation of (Siderophore Receptor and Porin Proteins) SRP® Response Under Natural Conditions

Chris Parmer, *Vaxxinova*

131: Biofilm Formation Capacity by Salmonella spp. from Poultry Farms in Lima-Peru

Magali Salas, *ALFA BIOL*

132: Salmonella in Poultry - A Glimpse on the Austrian Approach

Franz Sommer, *Geflügeltierärzte GmbH & Cutler Associates Intl.*

133: Salmonella Reduction In Turkeys – Important On Farm Interventions

Jolene Tourville, *Jennie-O Turkey Store*

Vaccinology

134: Yucca Schidigera and Seaweed Extracts Augment Antibody Response to Newcastle Vaccination and Improve Egg Production and Quality, Blood Constituents, Antioxidant Enzymes, Immunoglobulins in Commercial Laying hens

Ahmed Elbestawy, *Department of Poultry and Fish Diseases, Faculty of Veterinary Medicine, Damanhour University*

135: Identification of Vaccine Candidates Against Novel Campylobacter Using Phage Display Technology

Chaitanya Gottapu, *University of Florida*

136: CpG-Oligonucleotide Can Enhance Recombinant Herpes Virus of Turkey-Laryngotracheitis Vaccine-Induced Immune Responses

Ravi Kulkarni, *North Carolina State University*

137: Statistical Report on Zootechnical Results on the Use of a Recombinant HTV-ND ILT in a Broilers Company in Colombia

Camilo Andres Medina Santos, *MSD Animal Health*

138: Field Trials of FAdV Inactivated Trivalent Vaccine (4, 8b, 11) in Korean Poultry Farms

Dam-Hee Park, *Choong Ang Vaccine Laboratories Co., Ltd.*

139: Efficacy Evaluation of Vaccine Programs Containing Live and Inactivated Salmonella Vaccines Against Challenge by Salmonella Gallinarum in Brown Laying Hens

Gustavo Schaefer, *Vaxxinova Brazil*

140: The Development of a Novel Vector for mRNA Vaccines Against Respiratory Pathogens of Poultry.

Stephen Spatz, *US National Poultry Research Center*

Virology

141: Serological Profile During the Induced Molting Process in Commercial Layer Flocks

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

142: An IBH Outbreak In Meat-Type Grandparent Stock in Brazil Caused by Fowl Adenovirus Serotype 11

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

143: Pathogenicity in Chicks of Goose Tembusu Virus Isolated in Taiwan

Hui-Wen Chen, *Department of Veterinary Medicine, National Taiwan University*

144: Whole Genome Sequencing of Avian Metapneumovirus Type B Genomes Directly from Clinical Samples Collected from Chickens in Live Bird Markets using Multiplex Tiling RT-PCR Method

Andrew Yong Cho, *Avian Disease Laboratory, College of Veterinary Medicine, Konkuk University*

145: Deletion of the Chicken TVA Receptor Abolishes ALV-A Infection in Vitro

Steven Conrad, *USDA/SEPRL*

146: Detection, Isolation, And Molecular Characterization of Distinct Group of Avian Reovirus from Chicken Flocks

Wael Elfeil, *Avian and Rabbit Medicine Department, Faculty of Veterinary Medicine, Suez Canal University*

147: Development of an Indirect Enzyme-Linked Immunosorbent Assay for the Diagnostic and Vaccination Monitoring of Fowl Adenovirus Group I

Marina Gaimard, *Innovative Diagnostics*

148: Field Monitoring of the Mareks Hybrid Vaccine RN1250 Take by Quantitative PCR

Christa Goodell, *Boehringer Ingelheim*

149: Genomic Surveillance of Avian Paramyxovirus in Wild Birds in South Korea during 2017-2021

Tae-Hyeon Kim, *Avian Disease Laboratory, College of Veterinary Medicine, Konkuk University*

150: Pathotype Determination of Very Virulent Plus Marek's Disease Virus with Multiple Nucleotide Changes in Virulence-Related Genes

Taejoong Kim, *USDA-ARS-SEPRL*

151: Seroprevalence of New Castle (ND) and Avian influenza viruses (H5, H7 and H9) in Commercial Poultry Flocks of Punjab, Pakistan

Arif Mahmood, *MSD Animal Health*

152: Field report: Variant Reo Virus Strains in Broilers from Colombia

Francisco Perozo, *Boehringer Ingelheim*

Wealth of Knowledge

153: Genetic Characterization of Immune Related ChB6, IAP-1 and IL-15R α Genes in Native Poonchi Chicken from International Borders of India and Pakistan

Mandeep Singh Azad, *SKUAST-Jammu*

154: National Poultry Improvement Plan (NPIP) as a Model Program for Other Sectors within APHIS: Swine Health Improvement Plan (SHIP) Administration Moving Beyond the Pilot and the Growth of the Comprehensive Aquaculture Health Program Standards (CAHPS)

Elena Behnke, *USDA APHIS NPIP*

155: Laying Hens in Saint Kitts: Understanding Basic Demographics, Biosecurity, and Sanitary Status

Stephanie Benedict, *Ross University School of veterinary medicine*

156: Identification of Optimal Sample Collection Locations for the Detection of Environmental Viral Contamination in Chicken Farms

Yun-Jeong Choi, *Avian Disease Laboratory, College of Veterinary Medicine, Konkuk University*

157: Supplementation with a Formulated Blend of Essential Oils Elicits an Hormetic Dose Response for Feed Conversion in Commercial Broilers

Melchior de Bruin, *Nutreco Exploration, Nutreco*

Welfare

158: Precision Farming Strategies for Reducing Cage-Free Hens' Pecking and Cannibalism

Lilong Chai, *University of Georgia*

159: Efficacy of a Stationary Cervical Dislocation Device for Humane Euthanasia of Broiler Breeders

Eliza Ripplinger, *North Carolina State University*

160: Improvement of Animal Welfare using Enrichment Devices for Poultry in a Research Setting

Laura Rose, *Zoetis*

161: How Veterinarians Choose Best Animal Welfare Programs

Phil Stayer, *Wayne Sanderson Farms*

162: Incorporating Animal Welfare Metrics into Cage-Free Layer Systems

Alexander Strauch, *Alexander Strauch Consulting (ASC)*

163: BALANCE Stress & Dehydration Aid Water Retention and Weight Gain Trial in Turkeys

Grant Weaver, *Aurora Pharmaceutical, Inc.*