

# Sunday, June 11, 2023

Room		Champions ABCD	
8:00 AM		Opening Session	
8:15 AM		<b>Keynote Speaker</b> <b>The Changing Global Landscape of Highly Pathogenic Avian Influenza</b> David Swayne	
Room		Champions ABCD	Champions EFGH
Topic	Virology		Pathology
Moderator	John Dunn		Rocio Crespo
9:00 AM	<b>Isolation and Characterization of Adenoviruses Associated with Inclusion Body Hepatitis in the United States and Disease Control Through Breeder Vaccination</b> Milos Markis, <i>AviServe LLC</i>		<b>Unusual Outbreaks of Neoplastic Disease in Broiler Breeders.</b> Silvia Carnaccini, <i>Department of Population Health, College of Veterinary Medicine, University of Georgia</i>
9:15 AM	<b>Egg Drop Syndrome 76 Transmission in Broiler Chickens</b> Ramon Zegpi, <i>USDA</i>		<b>Misdirection! A Case of Iatrogenic Head Tremors in Chicks</b> Kathryn McCullough, <i>Poultry Diagnostic and Research Center, Population Health Department, University of Georgia</i>
9:30 AM	<b>Double Trouble - Concurrent Egg Drops in Two Flocks of Turkey Breeder Hens</b> Jake Carlson, <i>Select Genetics</i>		<b>Characterizing Potential Physio Pathological Dynamics of a Woody Breast Myopathy in Modern Meat Broiler Lines</b> Pramir Maharjan, <i>Tennessee State University</i>
9:45 AM	<b>Reed Rumsey (Clinical Research) Award Winner Detection, Surveillance and Mechanical Transmission of Egg Drop Syndrome</b> Ashley Hallowell, <i>Poultry Diagnostic and Research Center, College of Veterinary Medicine, The University of Georgia</i>		<b>An Emerging Trend: Non-Inflammatory Spinal Cord Degenerative Myelopathy in Turkeys</b> Jonathan Elissa, <i>Penn State Animal Diagnostic Laboratory</i>
10:00 AM	<b>Break</b>		
Topic	Virology		Welfare
Moderator	Alejandro Banda		Elise Gerken
10:15 AM	<b>Effect of Marek's Disease CVRM Vaccine on the Enhancement of Spontaneous ALV-like Tumors</b> John Dunn, <i>USDA-ARS</i>		<b>Implementing the 5 Domains Welfare Framework into a Poultry Welfare Program</b> Kate Barger Weathers, <i>Cobb-Vantress</i>
10:30 AM	<b>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</b> Chang-Won Lee, <i>Southeast Poultry Research Laboratory, USDA-ARS</i>		<b>A Survey Detailing Perceived Importance of Welfare and the Practical Aspects of Poultry Welfare Measurements on Farm</b> Meagan Abraham, <i>Jennie-O Turkey Store</i>
10:45 AM	<b>NDV Vaccination in Backyard Unconventional Poultry Flocks</b> Rodrigo Gallardo, <i>University of California, Davis</i>		<b>Understanding Consumer Perceptions of Animal Welfare</b> Danny Weathers, <i>Clemson University</i>
11:00 AM	<b>Field Evaluation of Two Different Vaccination Protocols for Label Rouge Broilers in France: from the Hatchery to the Processing Plant</b> Audrey Bigot, <i>MSD Santé Animale</i>		<b>Depopulation of Laying Hen Flocks Using Several CO<sup>2</sup> Strategies</b> Mike Petrik, <i>McKinley Hatchery</i>

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

# Monday, June 12, 2023

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

Topic	Vaccinology	Epidemiology
Moderator	Brian Jordan	Yuko Sato
10:15 AM	<b>Protection Efficacy of Bivalent and Trivalent HVT Recombinant Vaccines Against Infectious Laryngotracheitis (ILT) in Broilers Chickens</b> Daniel Maekawa, <i>Merck Animal Health</i>	<b>Interaction Among Variables Affecting Production Performance</b> Dave Fernandez, <i>FSTAATS</i>
10:30 AM	<b>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</b> Roel Becerra, <i>Poultry Diagnostic and Research Center, Department of Population Health, College of Veterinary Medicine, University of Georgia</i>	<b>Outbreak Management of High Pathogenic Avian Influenza in the Most Densely Populated Poultry Production Area in Germany</b> Matthias Voss, <i>Lohmann Breeders</i>
10:45 AM	<b>Vaccine Take Evaluation of Two Recombinant Vector HVT Vaccines Applied Simultaneously in Commercial Layers</b> Jorge Chacon, <i>Veterinary Services - Ceva Animal Health, Brazil</i>	<b>Evaluating the Risk of Moving HPAI-Vaccinated Turkey Breeder Hens to an Egg Production Farm or Other Premises</b> Mickey Leonard, <i>University of Minnesota</i>
11:00 AM	<b>Progress in Developing a Vaccine to Prevent/Decrease Colonization of Campylobacter jejuni in Poultry</b> Roy Curtiss, <i>College of Veterinary Medicine, University of Florida</i>	<b>Evaluating the Risk of Moving Uninfected Poultry Industry Product from HPAI Positive Premises to Market</b> Rosemary Marusak, <i>University of Minnesota</i>
11:15 AM	<b>Studies Demonstrating the Potential to Enhance Immunity and Improve Overall Efficacy of Live Salmonella Typhimurium (ST) Vaccination by Parenteral Administration</b> Manuel Da Costa, <i>Zoetis</i>	<b>Examination of Salmonella Livingstone and Salmonella Mbandaka Identified in Poultry Supply Chain to Determine the Source of Contamination Using Whole Genome Sequencing</b> Kathleen Sary, <i>Maple Leaf Foods - Canada</i>
11:30 AM	<b>Efficacy of a Trivalent Coryza Inactivated Vaccine Against Challenges with Wild Type Avibacterium paragallinarum Serovars A and C</b> Alexandra Mendoza-Reilley, <i>Merck Animal Health</i>	<b>Monte Carlo Simulations: A Solution for Improved Decision Making in the Poultry Industry</b> Joan Torrent, <i>Oligo Basics USA LLC</i>
11:45 AM	<b>Adenoviral Progeny Protection Results</b> Francene Van Sambeek, <i>Elanco</i>	<b>Broiler Breeder Pullet Salmonella Epidemiology Study: 2017-2020</b> Louise Dufour-Zavala, <i>GPLN</i>
12:00 PM	<b>Lunch Break</b>	
Topic	Wealth of Knowledge	Bacteriology
Moderator	Michelle Kromm	Louise Dufour-Zavala
1:15 PM	<b>Online Poultry Medicine Certificate Course for Practicing Veterinarians</b> Richard Fulton, <i>Michigan State University</i>	<b>Evaluation of a Mycoplasma synoviae Live Attenuated Vaccine Candidate in Chickens</b> Naola Ferguson-Noel, <i>University of Georgia</i>
1:30 PM	<b>Mortality in Broiler Breeder Males: What Field Experience is Telling Us</b> Jose Bruzual, <i>Aviagen</i>	<b>The Detection of Avian Mycoplasma spp. in Fecal Matter from Poultry</b> Mattie Capehart, <i>University of Georgia</i>
1:45 PM	<b>Broiler Breeder Mortality Surveys - The Importance of Systematic and Continuous Post-Mortem Evaluations</b> Harold Echeverry, <i>Aviagen</i>	<b>Understanding the Length of Time Required for Campylobacter hepaticus to Infect or Cause Spotty Liver Disease in Chickens</b> Catherine Logue, <i>University of Georgia</i>

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

# Tuesday, June 13, 2023

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

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

# Wednesday, June 14, 2023

Room	Champions ABCD	Champions EFGH
Topic	Salmonella	Case Reports
Moderator	Elena Behnke	Enrique Montiel
8:00 AM	<p><b>Pre-Harvest Salmonella Monitoring to Develop Risk Profiles for Directed Processing</b>                      Nikki Shariat, <i>Poultry Diagnostic and Research Center, University of Georgia</i></p>	<p><b>Neurologic Signs in Turkey Poults: A Case of Avian Encephalomyelitis</b>                      Ashley Anderson, <i>Iowa State University Department of Veterinary Diagnostic and Production Animal Medicine</i></p>
8:15 AM	<p><b>Effect of the use of a natural microbicide for the control of Salmonella Infantis loads in the gut, and to improve performance in broiler chickens</b>                      Cecelia Lugo, <i>IFTA USA Inc</i></p>	<p><b>Highly Pathogenic Avian Influenza: The Mississippi Experience</b>                      Natalie Armour Manginsay, <i>Poultry Research and Diagnostic Laboratory, College of Veterinary Medicine, Mississippi State University</i></p>
8:30 AM	<p><b>Salmonella Serotypes and Their Antimicrobial Resistance Profiles Characterizing Chicken Samples from USDA FSIS Regulated Poultry Establishments Based on Their Category Status</b>                      Roxana Sanchez-Ingunza, <i>RSI Poultry Veterinary Consulting LLC</i></p>	<p><b>A Case of the FluDETECT or Fluke-DETECT?</b>                      Jewell Bremer, <i>Select Genetics</i></p>
8:45 AM	<p><b>In silico and PCR Screening for Live Attenuated Salmonella Typhimurium Vaccine Isolates</b>                      Maurice Raccoursier, <i>Poultry Diagnostic and Research Center, Department of Population Health, University of Georgia</i></p>	<p><b>Cecal Core and Necrotic Foci in Turkey Liver: What is Your Diagnosis?</b>                      Vijay Durairaj, <i>Huvepharma Inc.</i></p>
9:00 AM	<p><b>Evaluation of a Live Salmonella Typhimurium Vaccine in a S. Infantis Challenge Model in Broilers</b>                      Bill Potter, <i>Elanco Animal Health</i></p>	<p><b>Emerging Reovirus Infections in Turkeys in Quebec, Canada</b>                      Louise Mercier, <i>Services Veterinaires Louise Mercier inc</i></p>
9:15 AM	<p><b>The Impact of Salmonella Typhimurium and Coccidiosis Vaccine on the Intestinal Integrity in Broiler Chickens in the Late Stage of Production</b>                      Andrea Pietruska, <i>Department of Pathobiology, Auburn University</i></p>	<p><b>Case Report Part 2: Clostridium Septicum Dermatitis and Septicemia in Commercial Egg Layers. Interventions, Diagnostics, and Unknowns</b>                      Mark Mouw, <i>Wilson Veterinary Co.</i></p>
9:30 AM	<p><b>An Evaluation of Two Commercially Available Live Salmonella Vaccines in Turkey Toms</b>                      Molly Parker, <i>Butterball, LLC</i></p>	<p><b>Lameness in Young Broilers: The Case of the Rocky Chicks</b>                      Peter O'Kane, <i>Slate Hall Veterinary Services</i></p>
9:45 AM	<p><b>Comparison of Commercial SE Whole Cell Bacterin and SRP Salmonella Vaccines in Chickens: Evaluation of Protection to Homologous and Multiple Heterologous Challenge Strains</b>                      Don Ritter, <i>Poultry Business Solutions LLC</i></p>	<p><b>Hypophosphatemic Rickets in Breeder Pullets</b>                      Alexander Strauch, <i>Alexander Strauch Consulting</i></p>
10:00 AM	<b>Break</b>	



Topic	Salmonella	Hatchery
Moderator	Kathleen Sary	Ivan Alvarado
10:15 AM	<b>Effects of Salmonella Enteritidis and Mild Intestinal Inflammation on Broiler Performance and Health</b> Charles Hofacre, <i>Southern Poultry Research Group</i>	<b>Understanding the Recent Increase in Chick Mortality in Commercial Broiler Operations in the USA</b> Matilde Alfonso, <i>Ceva Animal Health</i>
10:30 AM	<b>Novel Adjuvant Salmonella Strains to Enhance Food Safety and Animal Health</b> Vinicius Lima, <i>University of Florida</i>	<b>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</b> Donna Hill, <i>Donna Hill Consulting</i>
10:45 AM	<b>Pullet Rearing Conditions and Susceptibility to Experimental Salmonella Enteritidis Infection</b> Richard Gast, <i>USDA-ARS-US National Poultry Research Center</i>	
11:00 AM	<b>Salmonella Pullorum and Gallinarum Testing - A Review and Look Forward</b> Elana Huong, <i>Hendrix Genetics</i>	<b>Histopathology in Chicks of Normal and Short Body Length at Hatch</b> Frederic Hoerr, <i>Veterinary Diagnostic Pathology, LLC</i>
11:15 AM	<b>Overview of Salmonella Programs within NPIP</b> Elena Behnke, <i>USDA NPIP</i>	<b>Updating Hatchery Quality Assurance to Fit Emerging Challenges</b> Isabella Hannay, <i>Donna Hill Consulting</i>
<b>Room</b>	<b>Champions ABCD</b>	
11:30 AM	<b>Wellness Talk</b> <b>I Have Friends in Poult Places: Connecting Mentorship and Wellbeing</b> Valerie Marcano, <i>Pawsibilities Vet Med</i>	
12:00 PM	<b>Lunch Break</b>	
<b>Room</b>	<b>Champions ABCD</b>	<b>Champions EFGH</b>
Topic	Avian Influenza	Coccidiosis
Moderator	Milos Markis	Jaime Ruiz
1:15 PM	<b>Analysis of Available Vaccines for Highly Pathogenic Avian Influenza in the U.S.</b> David Suarez, <i>Southeast Poultry Research Laboratory</i>	<b>Concepts Concerning Coccidiosis: Host and Strain Specificity, Immunity, and Viable Control Programs</b> Gregory Mathis, <i>Southern Poultry Research, Inc.</i>
1:30 PM	<b>Antigenic Map of the Hemagglutinin of Influenza A Virus of the H9 Subtype</b> C. Joaquin Caceres, <i>University of Georgia</i>	<b>3 Years of Field Data of US Broiler Performance Under Different Coccidiosis Control Programs</b> Ha-Jung Roh, <i>Merck Animal Health, Madison, NJ</i>
1:45 PM	<b>Development of a Modified Live Attenuated Influenza Virus Vaccine Against H9N2 for Poultry</b> Flavio Cargnin Faccin, <i>University of Georgia</i>	<b>Evaluation of the Effects of Litter Moisture on Cycling of Coccidiosis Vaccine: Part II</b> Nicholas Brown, <i>Huvepharma, Inc.</i>
2:00 PM	<b>Transgenic Approaches for Control of Highly Pathogenic Avian Influenza Virus in Poultry</b> Kelsey Briggs, <i>USDA-ARS-USNPRC</i>	<b>Effects of Different Oocyst Doses of Turkey Coccidia Eimeria meleagridis and E. adenoides on Growth Performance, Intestinal Health, and Bone Quality in Turkeys</b> Doyun Goo, <i>Department of Poultry Science, University of Georgia</i>
2:15 PM	<b>Evaluating the Impact of IBDV-Mediated Immunosuppression on the Shedding and Evolution of a Mallard Avian Influenza Virus (AIV) in Chickens</b> Andrew Broadbent, <i>Department of Animal and Avian Sciences, University of Maryland</i>	<b>Using Infrared Camera Technology to Predict Coccidiosis Oocyst Survival During Brood</b> Kelli Jones, <i>Ceva Animal Health (USA)</i>

Topic	Infectious Bursal Disease	Coccidiosis
2:30 PM	<b>IBD Study Comparing rHVT-IBD Vaccine Protection Against AL2 Virus in Broilers Challenged at 25 Days of Age</b> Kalen Cookson, <i>Zoetis</i>	<b>Direct, Prolonged Exposure to Various Doses of Essential Oils Does Not Impact the Integrity of Coccidiosis Species Derived from Live Vaccines</b> Melchior de Bruin, <i>Nutreco Exploration, Nutreco</i>
2:45 PM	<b>Efficacy Evaluation of Three Infectious Bursal Disease Vaccines by Quantifying the Viral Replication in Bursal Tissues in a Vaccination/Challenge Model</b> Hugo Ramirez, <i>Poultry Research and Diagnostic Laboratory - Mississippi State University</i>	<b>Anticoccidial Efficacy Evaluation</b> Hector Cervantes, <i>University of Georgia</i>
3:00 PM	<b>Break</b>	
Moderator	Kalen Cookson	John Schleifer
3:15 PM	<b>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</b> Andres Montoya, <i>Merck Animal Health</i>	<b>Isolation of an Eimeria Maxima Immunovariant Late in Growout from Broiler Chickens Immunized at Hatch with an Eimeria Oocyst Vaccine</b> Mark Jenkins, <i>Animal Parasitic Diseases Laboratory, ARS, USDA</i>
3:30 PM	<b>Amino Acid Sequence and Phylogenetic Analyses of Segments A and B of Recent Infectious Bursal Disease Field Strains in Southern United States.</b> Alejandro Banda, <i>Poultry Research and Diagnostic Laboratory Mississippi State University</i>	<b>Administering Coccidiosis Vaccine in the Drinking Water Improves E. maxima Uptake in Broiler Chickens</b> Jon Schaeffer, <i>Zoetis</i>
Topic	Infectious Bursal Disease	Avian Influenza
3:45 PM	<b>Molecular Characterization of Infectious Bursal Disease Virus (IBDV) Strains Circulating in the Delmarva (DMV) Peninsula from 2019-2023</b> Sofia Egana-Labrin, <i>University of Maryland</i>	<b>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</b> Cheng-Shun Hsueh, <i>Iowa State University</i>
4:00 PM	<b>Introduction of Genogroup-Specific RT-qPCR Methodology for Rapid Biomolecular Typing of IBDV</b> Martin Liman, <i>AniCon Labor GmbH</i>	<b>Identification and Genome Characterization of Highly Pathogenic H5N1 Avian Influenza A from Wild Birds in Peru</b> Gina R. Castro-Sanguinetti, <i>Universidad Nacional Mayor de San Marcos</i>
4:15 PM	<b>Let's Talk About IBDV in Layers</b> Fernando Ruiz-Jimenez, <i>Zoetis</i>	<b>Characterizing the interface between wild birds and poultry in a high-risk area for avian influenza introduction: camera traps in poultry farms and virological surveillance in waterfowl</b> Giulia Graziosi, <i>University of Bologna</i>
4:30 PM	<b>Early Infection by Strains of Infectious Bursal Disease Virus Belonging to Genogroup 4 in Commercial Broiler Flocks in Brazil</b> Jose Emilio Dias, <i>Instituto Federal Catarinense, Concórdia</i>	<b>A Lesson in Acronyms</b> Emily Pittman, <i>Georgia Poultry Laboratory Network</i>
4:45 PM	<b>Effect of Seroconversion to Infectious Bursal Disease on Physiological and Biochemical Parameters of Broilers</b> Jose Linares, <i>Ceva Animal Health</i>	<b>Nanopore Sequencing: Evaluation of Enrichment Methods for Avian Influenza Virus Recovery from Clinical Samples</b> Maria Chaves, <i>Iowa State University</i>
5:00 PM	<b>Adjourn</b>	

# 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 2:00 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: Antimicrobial Usage in Broiler Chicken Production in the United States, 2013 – 2021**

Randall Singer, *University of Minnesota*

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

Randall Singer, *University of Minnesota*

## Avian Influenza

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

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

**7: Assessment of Inactivated Avian Influenza H5N8 Vaccines with Different Adjuvants**

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

**8: 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*

**9: 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)*

**10: Highly Pathogenic Avian Influenza Outbreak, What to Expect**

Rodrigo Gallardo, *University of California, Davis*

**11: 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*

**12: 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*

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

Darrell Kapczynski, *USDA-ARS-USNPRC*

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

Paul Kotturi, *Oxford Nanopore Technologies*

**15: 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*

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

Lucia Ortiz, *University of Georgia*

**17: Pathogenicity of four genetically distinct H5N1 HPAI clade 2.3.4.4b viruses in chickens**

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

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

Nicki Smith, *Georgia Poultry Laboratory Network*

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

Marissa Studniski, *Select Genetics*

## **Bacteriology**

**20: 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*

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

Mohamed El-Gazzar, *Iowa State University*

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

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

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

Mostafa Ghanem, *University of Maryland-College Park*

**24: A New Solution for Managing Fowl Cholera**

Jeremy Griffel, *Phibro Animal Health*

**25: 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*

**26: 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*

**27: 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*

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

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

**29: The Isolation of Salmonella and the Corresponding Serotypes from Poultry**

Doug Waltman, *Georgia Poultry Laboratory Network*

## Case Reports

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

Ahmed Achhal, *Clinique vétérinaire Tit Mellil*

**31: 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.*

**32: 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)*

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

Richard Fulton, *Michigan State University*

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

Thomas Gaydos, *Gaydos Technical Services, LLC*

**35: The Salt Was Normal**

Seiche Genger, *Elanco Animal Health*

**36: Infections Involved in Respiratory Diseases in Broiler at Different Ages**

Priscila Lopes, *Vaxxinova Brasil*

**37: Riboflavin Deficiency in Multiple Ontario Broiler Flocks**

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

**38: Riemerella anatipestifer Associated to Polyserositis in Caged Laying Hens : A Case Report**

Mouahid Mohamed, *Cabinet Vétérinaire MOUAHID*

**39: Misapplied Insecticide: Why Chemicals and Eyes Do Not Mix**

Emily Pittman, *Georgia Poultry Laboratory Network*

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

Ashley Poissant, *Jennie-O Turkey Store*

**41: Case Study of Avian Nephritis in UK Broiler Flocks**

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

**42: 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*

**43: Clinical Experiences with Treating Inclusion Body Hepatitis**

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

**44: Case Study: Turkey Cellulitis Control**

Brian Wooming, *Cargill*

## **Diagnostics**

**45: Validation of Pooled Samples in BHI for Mycoplasma Testing**

Len Chappell, *GPLN Special Projects*

**46: 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.*

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

Keat Fu, *Aviagen Inc.*

**48: Unfit Birds: Samples Unsuitable for Testing in the Necropsy Department**

Adriana Guzman, *Georgia Poultry Laboratory Network*

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

Roxanne Lopardo, *AVS Bio*

**50: Turkey Enteric Rotavirus PCR Test Lacks Correlation with Clinical Enteritis**

Duane Murphy, *Farbest Farms, Inc.*

## **Enteric Health**

**51: 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*

**52: 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*

**53: Intestinal Histopathology Related to Fecal Parameters in Broiler Chickens**

Frederic Hoerr, *Veterinary Diagnostic Pathology, LLC*

**54: 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*

**55: 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*

**56: 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**

**57: 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*

**58: 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*

**59: 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*

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

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

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

Muhammad Farooq, *University of Calgary*

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

Edmilson Freitas, *Vaxxinova*

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

Edmilson Freitas, *Vaxxinova*

**64: 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*

**65: 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*

**66: 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*

**67: 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*

**68: IBV Molecular Surveillance using Oxford Nanopore MinION Sequencing**

Renato Luciano, *Biological Institute*

**69: 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*

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

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

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

Cesar A. Reyes, *MSD AH*



**72: 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**

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

Julia Blakey, *USDA ARS SEPRL*

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

Gabrielle Bragaglia, *Vaxxinova Brazil*

**75: 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*

**76: 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*

**77: Characterization of the Variant A IBDV in Commercial Broilers in Peru**

Bruno Garci-a, *Ceva Peru*

**78: 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*

**79: 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*

**80: 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*

**81: 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

## **82: The Detection of Mycoplasma synoviae in Fecal Matter from Poultry**

Michael Rose Davis, *University of Georgia*

## **83: Molecular Epidemiologic Analysis of Mycoplasma Synoviae Cases from Alabama**

Mohammadreza Ehsan, *Thompson Bishop Sparks State Diagnostic Lab*

## **84: 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*

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

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

## **86: Chick Quality in Vaxsafe MS Vaccinated Breeder Flocks**

Francisco Perozo, *Boehringer Ingelheim*

## **87: 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

## **88: 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*

## **89: Characterizing miRNA Regulated Pathways That Modulate Avian Orthoavula Virus 1 (AOAV-1) Replication**

Abhijeet Bakre, *USDA*

## **90: Repeated Isolation of Avian Orthoavulavirus Serotype 13 in Ukraine**

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

## **91: 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*

## **92: Newcastle Disease Virus in Brazilian Pigeons**

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

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

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

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

Cesar A. Reyes, *MSD Animal Health*

**95: 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**

**96: 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, Beaucaouzé*

**97: 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*

**98: Compromised Bone Homeostasis in Modern Day Broilers Challenged with Bacterial Lipopolysaccharides and Mixed Eimeria Cocktail**

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

**99: 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.*

**100: Evaluation of the Development of Resistance Following Continuous Use of Synthetic Anticoccidials**

Leslie Johnson, *Huvepharma, Inc.*

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

Mahmoud Mahmoud, *The Pennsylvania State University*

**102: Evaluation of Different Coccidial Control Programs in Broiler Breeder Pullets in a Commercial Production**

Chad Malinak, *Phibro Animal Health Corporation*

**103: Coccidia Lesion Score and Performance in Broilers Fed a Nicarbazine-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

### **104: 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)*

### **105: Necropsy of Back Yard Chickens: A "Wet Lab" on Poultry Oncology**

James Davis, *Georgia Poultry Laboratory Network*

### **106: 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*

### **107: Validating a Model of Hypocalcemia in Laying Hens**

Mayra Tsoi, *Michigan State University*

## Salmonella

### **108: Temporal Salmonella Prevalence and Quantity in Broiler Production**

Emily Cason, *University of Georgia*

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

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

### **110: Using Antibiotic Selection to Improve Salmonella Isolation in Infection Studies**

Vinicius Lima, *University of Florida*

### **111: 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*

### **112: Biofilm Formation Capacity by Salmonella spp. from Poultry Farms in Lima-Peru**

Magali Salas, *ALFA BIOL*

## Vaccinology

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

Carissa Gaghan, *College of Veterinary Medicine, North Carolina State University*

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

Chaitanya Gottapu, *University of Florida*

**115: 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*

**116: 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*

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

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

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

Chris Parmer, *Vaxxinova*

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

Gustavo Schaefer, *Vaxxinova Brazil*

**120: The Development of a Novel Vector for mRNA Vaccines Against Respiratory Pathogens of Poultry**

Stephen Spatz, *US National Poultry Research Center*

## Virology

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

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

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

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

**123: Pathogenicity in Chicks of Goose Tembusu Virus Isolated in Taiwan**

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

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

Steven Conrad, *USDA/SEPRL*

**125: 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*

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

Rafael Forero, *Innovative Diagnostics*

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

Christa Goodell, *Boehringer Ingelheim*

**128: 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*

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

Taejoong Kim, *USDA-ARS-SEPRL*

**130: 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*

**131: Field report: Variant Reo Virus Strains in Broilers from Colombia**

Francisco Perozo, *Boehringer Ingelheim*

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Mandeep Singh Azad, *SKUAST-Jammu*

**133: 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*

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

Stephanie Benedict, *Ross University School of veterinary medicine*

**135: 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*

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

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**137: 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*

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Lilong Chai, *University of Georgia*

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