<table>
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<tr>
<th>Room</th>
<th>Time</th>
<th>Topic</th>
<th>Case Reports</th>
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<tr>
<td></td>
<td>8:00 AM</td>
<td>Opening Session</td>
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<td>8:15 AM</td>
<td>Keynote Speaker</td>
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<td>Future Perspectives for the Global Poultry Industry</td>
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<td>Dr. Marc de Beer, Aviagen</td>
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<td>9:00 AM</td>
<td>Break</td>
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<td>9:15 AM</td>
<td>Understanding risk factors associated with broiler breeder MS cases in Georgia</td>
<td>I SPY HPAI - Gross lesions highly suggestive of HPAI</td>
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<td>Kathleen Sary, Georgia Poultry Laboratory Network (GPLN)</td>
<td>Yuko Sato, Iowa State University</td>
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<td>9:30 AM</td>
<td>Comparison and evaluation of poultry biosecurity plans through the Rapid Access Biosecurity app</td>
<td>Layers Don’t get Bacterial Chondronecrosis and Osteomyelitis, Right?</td>
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<td>Jason Galvis, College of Veterinary Medicine, North Carolina State University</td>
<td>Geoffrey Lossie, Purdue University/Indiana Animal Disease Diagnostic Lab</td>
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<td>9:45 AM</td>
<td>Mastering Sample Size Determination: Facts, Fallacies, and Best Practices for Use in Veterinary Research and Diagnostics</td>
<td>High Pitched Layers - Case Report</td>
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<td>Enrique Mondaca, CEVA Animal Health</td>
<td>Gigi Lin, BC Ministry of Agriculture and Food</td>
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<td>10:00 AM</td>
<td>Securely moving duck hatching eggs from a farm out of or within a Highly Pathogenic Avian Influenza (HPAI) Control Area</td>
<td>It's Hard To Be Positive When You're B Positive</td>
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<td>Sylvia Wanzala-Martin, University of Minnesota</td>
<td>Molly Parker, Select Genetics</td>
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<td>10:15 AM</td>
<td>An approach for prioritizing Salmonella serotypes for foodborne outbreak prevention: Using burden and trajectory of outbreak-related illnesses associated with meat and poultry</td>
<td>Torticollis in Turkey Poults</td>
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<td>Katherine Marshall, CDC</td>
<td>Laura Tensa, Cargill</td>
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<td>10:30 AM</td>
<td>Longitudinal evaluation of Salmonella in broiler breeder flocks</td>
<td>Aspergillus flavus and Penicillium spp Infection in a Five Week Old Broiler Breeder Pullet Flock</td>
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<td>Nikki Shariat, Poultry Diagnostic and Research Center, University of Georgia</td>
<td>Hollyn Maloney, Prairie Livestock Veterinarians</td>
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<td>10:45 AM</td>
<td>Re-evaluating the gold standard: evaluating environmental Salmonella surveillance sampling methodologies in commercial broiler live-production</td>
<td>Where my eggs at doc?</td>
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<td>Emily Cason, University of Georgia, Poultry Diagnostic and Research Center</td>
<td>Reginald Onyema, Aviagen North America</td>
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<tr>
<td>Time</td>
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<td>11:00 AM</td>
<td>SE challenge studies in live ST vaccinated broilers—comparing different vaccination strategies to protection against SE challenge at different ages</td>
<td>Kalen Cookson, Zoetis</td>
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<td>Economic Impact, and Molecular characterization of CAstVs obtained from outbreaks of White Chicken Syndrome (WCS) in Western Canada</td>
<td>Victor Palomo-Tapia, Maple Leaf Foods</td>
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<td>11:15 AM</td>
<td>The use of a nutritional approach to support the control of Salmonella in poultry.</td>
<td>Raquel Burin, Zinpro Corporation</td>
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<td>Cloacitis in a commercial layer facility attributed to metabolic alkalosis: identification and resolution</td>
<td>Montana Oubre, dsm-firmenich</td>
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<tr>
<th>Room</th>
<th>Wellness Talk</th>
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<tr>
<td>11:30 AM</td>
<td>Jeff Winton</td>
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<tbody>
<tr>
<td>1:15 PM</td>
<td>Pealing Back the Many Layers of Competitive Exclusion</td>
<td>Margie Lee, Virginia Tech</td>
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<td>Enterococcus fecalis Infection In Laying Hens</td>
<td>Mike Petrik, McKinley Hatchery</td>
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<tr>
<td>1:30 PM</td>
<td>Differentiation of nonpathogenic from pathogenic Enterococcus cecorum isolates, identifying unique genetic characteristics providing virulence, survival, and adaptation traits</td>
<td>Martha Pulido Landinez, Mississippi State University</td>
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<td>A Deadly Case of Stud Tom Torticollis</td>
<td>Jake Carlson, Select Genetics</td>
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<td>1:45 PM</td>
<td>Genotypic characterization of Enterococcus cecorum isolated from field cases</td>
<td>Marcela Arango, Mississippi State University</td>
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<td>Swollen Heads with an acute elevated mortality in Commercial Turkeys.</td>
<td>Claude Hebron, Prestage Farms</td>
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<tr>
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<tbody>
<tr>
<td>2:00 PM</td>
<td>Clostridium colinum in quail: Battling to reduce the need for antibiotics use</td>
<td>Roxana Sanchez-Ingunza, RSI Poultry Veterinary Consulting LLC</td>
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<td>Preliminary characterization of avian metapneumovirus subtype B in the U.S.</td>
<td>Darrell Kapczynski, USDA-ARS</td>
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<tr>
<td>2:15 PM</td>
<td>Exploring Focal Duodenal Necrosis: Two Challenge Experiments Investigating Disease Replication in Layers</td>
<td>Yuyang Tsai, University of Georgia</td>
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<td>Detection and molecular characterization of avian metapneumovirus subtype B in the US turkey and chicken farms</td>
<td>Sunil Mor, SDSU-Animal Disease Research and Diagnostic Lab</td>
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<tr>
<td>2:30 PM</td>
<td>Assessment of water-based interventions for the control of Campylobacter hepaticus in laying hens.</td>
<td>Catherine Logue, University of Georgia</td>
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<tr>
<td></td>
<td>An Epidemiological look at Infectious Bursal Disease (IBD) in Commercial Broiler Industry in Canada; Geographical Difference and Applied Vaccination programs</td>
<td>Babak Sanei, Zoetis Canada</td>
</tr>
<tr>
<td>2:45 PM</td>
<td>Impact of Avibacterium paragallinarum infection on the Upper Respiratory Tract Microbiome of Chickens</td>
<td>Mostafa Ghanem, University of Maryland</td>
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<td>Molecular survey of infectious bursal disease virus in Western Europe in 2020-2023 reveals lasting predominance of A3B1 reassortant viruses</td>
<td>Matteo Legnardi, Department of Animal Medicine, Production and Health (MAPS), University of Padova</td>
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<tr>
<th>Time</th>
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<tr>
<td>3:15 PM</td>
<td>The plasmid-encoded serine protease autotransporters Tsh and Sha contribute to avian pathogenic Escherichia coli colonization of the lungs in turkey</td>
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<tr>
<td>3:30 PM</td>
<td>Mycoplasma gallisepticum Live attenuated Vaccine Reversion to Virulence - What Changed</td>
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<td><strong>Topic</strong></td>
<td><strong>Coccidiosis</strong></td>
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<tr>
<td><strong>Moderator</strong></td>
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<tr>
<td>3:45 PM</td>
<td>Practical Guide to Successful Coccidiosis Vaccination in Broilers</td>
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<tr>
<td>4:00 PM</td>
<td>Practical ways to assess coccidiosis vaccination in commercial broilers</td>
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<td>4:15 PM</td>
<td>Utilizing Oocyst Per Gram (OPG) surveillance to monitor coccidiosis management in commercial cage-free, floor-raised leghorn pullets</td>
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<td>Rotating Chemical Coccidiostats Following Prolonged Use in Broilers</td>
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### 2024 AAAP Symposium
**Maintaining Intestinal Health with Non-Antibiotic Compounds**
Hosted by the Enteric Diseases Committee and the Therapeutics, Biologics and Bioprotection Committee

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<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>8:00 AM</td>
<td><strong>Introduction</strong></td>
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<tr>
<td>8:10 AM</td>
<td><strong>The Gut-Brain Connection/Physiology of the intestinal tract</strong></td>
<td>Guillerm Tellez, <em>University of Arkansas</em></td>
</tr>
<tr>
<td>8:30 AM</td>
<td><strong>Impact of the Intestinal Ecosystem of Poultry on Production and Sustainability</strong></td>
<td>Michael Kogut, <em>USDA</em></td>
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<tr>
<td>8:50 AM</td>
<td><strong>Break</strong></td>
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<tr>
<td>9:15 AM</td>
<td>Use of Prebiotics and Postbiotics to Modulate Enteric Microbiome and Gut Health in Poultry</td>
<td>Peter Ferket, <em>North Carolina State University</em></td>
</tr>
<tr>
<td>9:30 AM</td>
<td><strong>Mechanisms of Action of Botanicals for Enhancing Gut Health and Performance in Poultry</strong></td>
<td>Diego Martinez, <em>University of Arkansas</em></td>
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<tr>
<td>9:45 AM</td>
<td><strong>Role of Micro-Minerals and Fatty Acids in Intestinal Health</strong></td>
<td>Todd Applegate, University of Georgia, Athens</td>
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<tr>
<td>10:00 AM</td>
<td><strong>Break</strong></td>
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<tr>
<td>10:10 AM</td>
<td>A review of methods that are used in research and diagnostics to assess gut health</td>
<td>Cristiano Bortoluzzi, <em>DSM</em></td>
</tr>
<tr>
<td>10:25 AM</td>
<td>Experimental Modeling and Research Result Interpretation of Intestinal Health Products in Broiler Chickens</td>
<td>Matthew Jones, <em>Southern Poultry Research Group</em></td>
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<tr>
<td>10:40 AM</td>
<td><strong>FDA: Current and possible future regulatory framework</strong></td>
<td>Bill Flynn, <em>FDA-CVM</em></td>
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<td>11:00 AM</td>
<td><strong>Break</strong></td>
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<tr>
<td>11:10 AM</td>
<td>Panel on Field Experiences with Non-Antibiotic Feed Additives</td>
<td>Sara Throne, <em>Simmons Foods</em></td>
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<td>Dave Hermes, <em>Perdue Farms</em></td>
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<td>Dan Wilson, <em>Wilson Vet Co.</em></td>
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<td>Mike Blair, <em>Devenish</em></td>
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<td>12:00 PM</td>
<td><strong>Lunch Break</strong></td>
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<tr>
<td>1:15 PM</td>
<td><strong>ATP Meter for Evaluating Water Line Sanitation</strong></td>
<td>Kabel Robbins, <em>Butterball, LLC</em></td>
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<td>Characterization of the predicted metagenome function of &quot;normal&quot; microbiota in chicken intestines</td>
<td>Ruediger Hauck, <em>Auburn University</em></td>
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<tr>
<td>1:30 PM</td>
<td>Hatchery investigations: proposing a protocol to maximize insight and efficiency.</td>
<td>Isabella Hannay, <em>Mississippi State University</em></td>
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<td>Transcriptome analysis of the jejunal mucosa of broiler chickens with subclinical necrotic enteritis fed diets containing varying calcium concentrations and limestone particle sizes</td>
<td>Rana Waqar Tabish, <em>Department of Poultry Science, Auburn University</em></td>
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<tr>
<td>1:45 PM</td>
<td><strong>A 12-Year Retrospective on Hatchery Applied Vaccines in the Layer Industry</strong></td>
<td>Ian Rubinoff, <em>Hy-Line North America</em></td>
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<td>Identifying chicken Lactobacillus strains possessing immunomodulatory and anti-</td>
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<td>Time</td>
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<td>Presenter/Institution</td>
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<td>2:00 PM</td>
<td>Development and Implementation of a Framework and Assessment Tool to Evaluate an Organization’s Antimicrobial Stewardship Policies and Practices</td>
<td>Ken Opengart, 3 Birds Consulting</td>
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<td>Clostridium perfringens properties</td>
<td>Ravi Kulkarni, NC state University</td>
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<td>2:15 PM</td>
<td>Overview of the AVMA Guidelines for the Depopulation of Animals and the revision process</td>
<td>Cia Johnson, AVMA</td>
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<td>Influence of coccidiosis and enteritis challenges on diet productive energy and economics in broilers</td>
<td>Diego Martinez, University of Arkansas</td>
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<td>2:30 PM</td>
<td>CRISPR: An easy button for disease mitigation?</td>
<td>Michelle Kromm, Food Forward LLC</td>
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<td>Effect of Campylobacter jejuni and Campylobacter coli co-colonization on the cecal environment in turkeys</td>
<td>Silke Rautenschlein, Clinic for Poultry, University of Veterinary Medicine Hannover</td>
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<td>2:45 PM</td>
<td>Feed Withdrawal: Review and Lessons Learned Over a Lifetime</td>
<td>Timothy Cummings, Zoetis</td>
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<td>3:00 PM</td>
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<td>3:15 PM</td>
<td>Committee Meetings</td>
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<tr>
<td>Time</td>
<td>Vaccinology</td>
<td>Parasitology</td>
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<td>8:00 AM</td>
<td>Control of Fowl Cholera in Commercial Layer type birds with Siderophore Receptor and Porin Protein Vaccine</td>
<td>Effect of Fenbendazole on Broiler Breeder Sperm Mobility.</td>
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<td>8:15 AM</td>
<td><strong>Rimler Memorial Paper:</strong> Evaluating the efficacy of novel inactivated and live vaccine approaches for the control of Spotty Liver Disease (SLD) caused by Campylobacter hepaticus in layer hens</td>
<td>Anthelmintic Support with Natural Products</td>
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<td>Roel Becerra, <em>University of Georgia</em></td>
<td>Philip Stayer, <em>Dr Phil Stayer Poultry Consulting, LLC</em></td>
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<tr>
<td>8:30 AM</td>
<td>The Impacts of a Spotty Liver Disease (Campylobacter hepaticus) Autogenous Vaccine on Pasture Raised Production Systems</td>
<td>Effects of stress factors on histomoniasis in broiler breeder pullets</td>
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<td>Mark Mouw, <em>Wilson Veterinary Co.</em></td>
<td>Catherine Fudge, <em>University of Georgia</em></td>
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<td>8:45 AM</td>
<td>Reed Rumsey Clinical Research Award Winner: Protection of Broiler Chickens Against Necrotic Enteritis by Intrapulmonary Delivery of a Live Clostridium Perfringens Vaccine Employing Gut-Lung-Axis Concept</td>
<td>Economic Impact of Bed Bug Infestation in Breeder Operations</td>
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<td>Hemlata Gautam, <em>University of Saskatchewan</em></td>
<td>Aaliyah Gore, <em>North Carolina State University</em></td>
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<tr>
<td>9:00 AM</td>
<td>Investigation of Low AE titers in Broiler Breeders</td>
<td>Performance of Broiler Chickens Vaccinated with an In Ovo Coccidiosis Vaccine Compared to Broiler Chickens Treated with Anticoccidial Drugs in-Feed</td>
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<td>9:15 AM</td>
<td>Optimising in ovo Herpesvirus of turkey (HVT) - vectored vaccines: Defining the role of the HVT vNr-13 protein in vitro in chicken embryo fibroblasts and in ovo in late stage embryonic tissues</td>
<td>Remediating the Poultry Litter Resistome</td>
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<td>9:30 AM</td>
<td>A herpesvirus of turkey-based vector vaccine induces the development of antibodies against the HA protein of H5N1 AIV of clade 2.3.4.4b in broiler chickens.</td>
<td>Phenotypic characterization of Castellaniella spp. associated with mortality events in commercial broiler breeders</td>
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<td>Aldo Rojas-Neyra, <em>Farmacológicos Veterinarios S.A.C.</em></td>
<td>Tiffani Allen, <em>Poultry Diagnostic and Research Center, University of Georgia</em></td>
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<td>Vaccination of Pullets with an Inactivated Chicken Astrovirus Isolated from a Clinical Case of White Chick Syndrome</td>
<td>University of Georgia - PDRC</td>
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<td>Efficacy of a Silane Quaternary Ammonia Compound (SiQAC) applied to feed trailers for inactivating low pathogenic avian influenza 15 days post-application</td>
<td>NCSU-CVM Veterinary Student</td>
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<tr>
<td>10:15 AM</td>
<td>History Lecture</td>
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<td>10:45 AM</td>
<td>Business Meeting</td>
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<th>Reovirus</th>
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<tr>
<td>1:15 PM</td>
<td>Evaluation of Pathogenicity and Antigenicity of Turkey Reovirus Isolates</td>
<td>A molecular beacon with RT-LAMP can detect AOAV-1 and differentiate low virulence from virulent virus strains</td>
<td>Megan Mears, Exotic and Emerging Avian Viral Diseases Research Unit, USDA</td>
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<td>Milos Markis, AviServe LLC</td>
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<td>1:30 PM</td>
<td>Forgotten turkey avian reovirus isolates decipher naturally occurring co-infections of CRV and TRV in commercial turkeys</td>
<td>Improved Efficiency by multiplexing Infectious Bronchitis Virus (IBV) Singleplex Assays</td>
<td>Ramhari Thapa, Ceva Animal Health</td>
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<td>Sonsiray Alvarez Narvaez, Southeast Poultry Research Laboratories</td>
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<td>1:45 PM</td>
<td>Development of turkey reovirus specific ELISA</td>
<td>Development and Validation of New Differential qPCR Assays for Improved Diagnosis of Avibacterium paragallinarum in the Field</td>
<td>Mostafa Shelkamy, Iowa State University</td>
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<td>Khaled Abosria, Department of Veterinary and Biomedical sciences, South Dakota State University</td>
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<th>Avian Influenza</th>
<th>Diagnostics</th>
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<tbody>
<tr>
<td>2:00 PM</td>
<td>Investigating the Prevalence of Highly Pathogenic Avian Influenza (HPAI) Virus Among Migratory Wild Shorebirds in Iowa</td>
<td>Development of an Enzyme-Linked Immunosorbent Assay (ELISA) for detection and differentiation of Avibacterium paragallinarum infections</td>
<td>Mariela Srednik, Iowa State University</td>
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<td>Valerie Kim, Iowa State University</td>
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<td>2:15 PM</td>
<td>Viral Shedding and Environmental Dispersion of Clade 2.3.4.4B H5 High Pathogenicity Avian Influenza Virus in Ducks: Implications for Environmental Sampling in HPAI Surveillance</td>
<td>Development and Validation of New TaqMan Real-Time PCR assays for enhancing diagnosis of Spotty Liver Disease</td>
<td>Eman Gadu, Iowa State University</td>
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<td>Jean-Luc Guerin, University of Toulouse</td>
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<td>2:30 PM</td>
<td>Enhanced process to select avian influenza vaccines for protection against diverging field viruses</td>
<td>Field outbreak investigation of Spotty Liver with Artificial Intelligence (AI) assisted Histology</td>
<td>Chaitanya Gottapu, University of Florida</td>
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<td>David Swayne, Birdflu Veterinarian, Watkinsville, Georgia, USA</td>
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<tr>
<td>2:45 PM</td>
<td>The effect of inactivated vaccines on highly pathogenic avian influenza virus shedding</td>
<td>Development of a Deep-Learning Artificial Intelligence Diagnostic Support Tool for Chicken Renal Histopathology</td>
<td>Adrea Mueller Slay, Charles River Laboratories; University of Georgia</td>
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<td>Erica Spackman, US National Poultry Research Center, USDA-ARS</td>
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<td>3:00 PM</td>
<td>Break</td>
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<td>Avian Influenza</td>
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<td>Cross-Protection Study of Inactivated H5N1 2.3.2.1c Vaccine against Novel H5N1 2.3.4.4b Virus Circulating in Indonesia</td>
<td>Reed Rumsey Basic Research Award Winner: Analysis of the localized immune response in the bursa of Fabricius post infectious bursal disease virus challenge</td>
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<td>Elly Setiawaty, PT Medion Farma Jaya</td>
<td>Julia Blakey, USDA ARS SEPRL Endemic Unit</td>
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<td>3:30 PM</td>
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<td>Application of enzyme linked lectin assay (ELLA) for differentiation of infected from vaccinated animals (DIVA) in poultry for avian influenza</td>
<td>Lesions Associated with Avian Metapneumovirus Subtype B Infection in Commercial Turkeys and Broiler Breeder Chickens</td>
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<td>Sherif Ibrahim, South-East Poultry Research Laboratory (SEPRL), ARS-USDA</td>
<td>Dallas Clontz, Veterinary Diagnostic Pathology, LLC</td>
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<td>3:45 PM</td>
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<td>An update on the assessment of the risk of moving washed and sanitized eggs off a highly pathogenic avian influenza (HPAI) positive premises</td>
<td>Postmortem diagnostic profile of laying hens with hypocalcemia</td>
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<td>Mickey Leonard, University of Minnesota</td>
<td>Mayra Tsoi, Michigan State University</td>
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<td>4:00 PM</td>
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<td>Walks like MSD, talks like MSD, think...? Kayla Niel, Penn State University Animal Diagnostic Laboratory</td>
<td>Immune Responses in the Harderian Gland after Newcastle Disease Vaccination in Chickens with Maternal Antibodies</td>
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<td>Raimundo Espejo, Department of Pathobiology, Auburn University College of Veterinary Medicine</td>
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<td>4:15 PM</td>
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<td>Update on Mexican lineage H5N2 low pathogenic avian influenza virus</td>
<td>Field vaccination of turkey breeder candidates part II: Challenge trial of day old poults from various vaccine strategies</td>
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<td>David Suarez, Agricultural Research Service</td>
<td>Ben Wileman, Select Genetics</td>
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<td>4:30 PM</td>
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<td>Improvement of Oxford Nanopore Influenza A Whole Genome Sequencing Protocol</td>
<td>Evaluation of Diagnostic Tools for Detection of Egg Drop Syndrome</td>
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<td>Iryna Goraichuk, USDA-ARS-USNPRC</td>
<td>Cole Taylor, University of Georgia</td>
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<td>4:45 PM</td>
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<td>Development of optimized CRISPR/Cas13 transgenes for the control of avian influenza virus in chicken cells</td>
<td>Glycerides of lauric acid supplementation in the chicken diet enhances the humoral and cellular immune response to infectious bronchitis virus</td>
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<td>Karel Schat, Cornell University</td>
<td>Wanderley Quinteiro-Filho, Adisseo LATAM</td>
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<td>Adjourn</td>
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AAAP Online Program

Available July 1 – July 25

Avian Influenza

911 Poultry Call: we have a HPAI positive
Eric Orozco, Butterball, LLC

How the Ducks Stole Thanksgiving: A Natural HPAI Infection in Raised for Release Mallard Ducks
Emily Pittman, Georgia Poultry Laboratory Network

Highly Pathogenic Avian Influenza in a Commercial Table Egg Layer Flock
Katie Schlist, Forsman Farms, Inc.

Bacteriology

Circulation of non-pathogenic Avibacterium paragallinarum in the USA confounds the current diagnostics
Mohamed El Gazzar, Iowa State University

The Use of a Bacterial Litter Amendment to Delay Gangrenous Dermatitis and Reduce Barn Ammonia Levels
Meagan Abraham, Jennie-O Turkey Store

Nanopore MiniON sequencing of emerging Castellaniella spp. associated with mortality in broiler breeders
Yi Chen Luo, Department of Infectious Disease, College of Veterinary Medicine, The University of Georgia

Case Report

An Unusual Case of Diphtheritic Pox in a Small Commercial Layer Flock
Jarra Jagne, Cornell University

Know your neighbors - Mycoplasma gallisepticum and Mycoplasma synoviae dual infection in broiler breeders
Karen Grogan, UGA PDRC

Atypical Presentation of Streptococcus Infection in Commercial Turkey Poults
Elise Gerken, Butterball, LLC

Neurologic Signs in Broilers Associated with Myopathy Lesions
Sabrina Hurst-Proctor, Gaydos Technical Services
Increased Incidence of Rickets in Broilers and Thin Eggshells in Broiler Breeders  
Thomas Gaydos, Gaydos Technical Services

Case Report: Reimerella anatipestifer Outbreak in Breeder Ducklings  
Alexander Strauch, Four Star Veterinary Service

Daniel Wilson, Wilson Vet Co.

Diagnostics

Use of Next Generation Sequencing for the diagnosis of poultry tumor viral diseases  
Isabel Gimeno, North Carolina State University

Cytopathologic diagnosis of inclusion body hepatitis in chickens via Romanowsky staining of liver impression smears  
Kathryn McCullough, Department of Pathology, College of Veterinary Medicine, University of Georgia

Non-invasive sampling for early detection and surveillance of avian reovirus infection in turkey flocks  
Mohamed Selim, South Dakota State University

Use of feather pulp in the diagnosis of Marek's disease: viral replication and immunopathological characterization  
Federico Bonorino, Universidad de León

Guillaume Croville, University of Toulouse

Parasitology/Coccidiosis

The Effect of High Dose Level of Amprolium Following Prolonged Use of Low Dose Level  
Leslie Johnson, Huvepharma, Inc.

Intestinal Integrity Overview in Latin America from 2021 to 2023  
Bauer Alvarenga, Elanco Animal Health

A Live Look at the HTSi Database and I2 Index  
Francene Van Sambeek, Elanco Animal Health

Sources of Viable Eimeria Oocysts to Young Chicks in Commercial Broiler Houses  
Mark Jenkins, Agricultural Research Service, USDA

Histomoniasis and Coccidiosis Reduction with Herbal Extract Blend  
Greg Mathis, Southern Poultry Research, Inc.
Field Trial Utilizing Fecal Egg Count Reduction Test to Assess Anthelmintic Resistance in a Commercial Tom Turkey Flock
Trent Eckle, *Farbest Farms Inc.*

Polyphenol and Saponin Combination in Coccidia Control
Katie Stumvoll, *SilvaTeam US*

### Vaccinology

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

A Novel Application Procedure for Applying Vaccines Via Gel Droplets on the Farm at Day of Age in Commercial Poultry
Kelli Jones, *Ceva Animal Health*

Development and characterization of HVT vector vaccines to control ND and IBD
Blanca Lupiani, *Department of Veterinary Pathobiology, Texas A&M University*

Understanding the Impact of Backpack Sprayers on Field Vaccination
Cory Yarbrough, *Graduate Student - University of Georgia*

Field safety of in ovo and subcutaneous administration of HVT-ILT-IBD vaccine in commercial Broilers
Faris Jirjis, *Merck Animal Health*

Replication and early immune responses induced by various MD vaccines when administered in ovo in meat type chickens
Abdelhamid Fares, *North Carolina State University, College of Veterinary Medicine*

Evaluation of MDV-1 Vaccines in the Control of vv+MDV-induced Immunosuppression
Nagwa Khaled, *NCSU*

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

### Wealth of Knowledge

“Staph” Problems Again: Synovitis and Broiler Breeder Livability
Maggie Thompson, *AMT Poultry Health Consulting, LLC*

The Life of an Extension Poultry Veterinarian: Lessons Learned from My Personal Journey
Nathaniel Tablante, *University of Maryland College Park*
Experiences with Artificial Intelligence in Turkey Barns in Winter
Brian Wooming, Cargill Turkey Production LLC

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

An overview on the AVMA Working Group on the Psychological Impacts of Humane Endings
Michelle Kromm, Food Forward LLC

AAAP Research priorities committee survey results
Stephen Williams, AAAP Research Priorities Committee

Is male grading a proper management tool to improve male uniformity and livability as well as production performance?
Jose Bruzual, Aviagen
Posters
Poster Session on July 9 at 5:15 PM

Antimicrobials & Antimicrobial Resistance

Agroforestry tree leaves as feed supplements for improving growth and as an alternative to antimicrobial drugs in poultry breed of Jammu and Kashmir, India.
Mandeep Singh Azad, Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu

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

Phenotypic and genotypic antimicrobial resistance profiling of Staphylococcus xylosus isolated from layer chicken barn bioaerosols in Alberta, Canada
Awais Ghaffar, Faculty of Veterinary Medicine, University of Calgary

Trained immunity or innate immune memory induced by CpG-ODN to protect broiler chickens against bacterial diseases
Iresha Subhasinghe, University of Saskatchewan

Avian Influenza

Evaluation of 5 and 10-day-old commercial Pekin ducklings (Anas platyrhynchos domesticus) naturally infected with H5N1 highly pathogenic avian influenza
Veronica Nguyen, University of California, Davis

Safety and Antibody Response of a RNA Vaccine Against H5Nx HPAI in Commercial Ducks Reared in Field Conditions in France
Christophe Cazaban, Ceva Animal Health

Efficacy of a reverse-genetics derived vaccine against highly pathogenic avian influenza viruses from clade 2.3.4.4
Leticia Frizzo da Silva, Zoetis Veterinary Medicine Research and Development

Environmental Sampling and Results on Multiple Turkey Farms with Highly Pathogenic Avian Influenza, from 2022 through 2023
Carrie Cremers, Jennie-O

Antigenic characterization of immune escape mutants of H7 low pathogenic avian influenza virus.
Jiho Lee, SEPRL, USDA
Pathology and viral tissue distribution of high pathogenicity avian influenza H5N1 in wild black-headed gulls (Chroicocephalus ridibundus) in France
Manuela Crispo, IHAP, ENVT, INRAE, University de Toulouse

Breeder farm biosecurity enhancements during the 2022-2023 HPAI outbreak
Marissa Studniski, Select Genetics

Avian influenza virus replication in bone marrow-derived dendritic cells induce cytokine dysregulation with eventual cell death
Jongsuk Mo, USDA-ARS

A Focus on the Basics of the National Poultry Improvement Plan (NPIP) Avian Influenza Compartmentalization Program
Savannah Busby, USDA APHIS NPIP

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

Active surveillance of Avian Influenza Virus from wild birds in Peru after highly pathogenic H5N1 subtype emergence (2023-2024)
Gina R. Castro-Sanguinetti, Universidad Nacional Mayor de San Marcos

Monitoring of commercial Layers vaccinated with a rHVT H5 vaccine in Peru
Claudia Carranza, Ceva Salud Animal Peru

Efficacy of an inactivated avian influenza H5N1 vaccine in layer hens
Melanie Caballero, R&D Quimtia

Development of an Inactivated Avian Influenza Virus Vaccine against local highly pathogenic H5N1 isolated in Peru
Melanie Caballero, R&D Quimtia

Bacteriology

Correlation between Clostridium perfringens spore load and prevalence of netB-positive isolates in the poultry environment and necrotic enteritis on broiler chicken farms
John Maurer, Virginia Tech

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

In-vitro Bacillus-based probiotic screening against field Campylobacter hepaticus isolates
Kay Russo, Chr Hansen
Using an Experimental Blend of Mono- and Di-glycerides in the Starter Phase for Efficacy Against a Pathogenic Enterococcus cecorum Isolate in Broilers
Matthew Jones, Southern Poultry Research Group, Inc.

Assessment of virulence in novel Avian Pathogenic Escherichia coli (APEC) serogroups using in vitro and in vivo assays.
Klao Runcharoosn, Department of Population Health, College of Veterinary Medicine, University of Georgia

Characterization of emergent Avibacterium paragallinarum strains in Brazil
Priscila Diniz Lopes, Vaxxinova Brazil

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

Ecology of Avian Pathogenic Escherichia coli in Commercial Turkey Production Across Time, Space, Tissue, and Vaccination Status
Lauren White, University of Minnesota

Identification, typing and antimicrobial susceptibility of Gallibacterium anatis isolates from Colombia.
Vladimir Morales Erasto, Facultad de Medicina Veterinaria y Zootecnia - Universidad Nacional Autónoma de México

Identification and typing of Avibacterium paragallinarum isolates obtained from commercial laying hens in Colombia.
Vladimir Morales Erasto, Facultad de Medicina Veterinaria y Zootecnia - Universidad Nacional Autónoma de México

Whole Genome Sequencing and Characterization of Enterococcus faecalis isolated from Pullet Layers with Growth Depression and Amyloid Arthropathy.
Aaliyah Gore, North Carolina State University

Mycoplasma synoviae Genotyping and Phylogenetic Analysis: A Comprehensive Study of Vlha Gene Variation in the Middle East
Husam Bakri, Vaxxinova International

Importance of Mycoplasma Synoviae Vaccination in performance of breeders challenged with Infectious bronchitis virus: A field report from Colombia.
Francisco Perozo, Boehringer Ingelheim

The Effect of Sample Pooling on the Detection of Mycoplasma gallisepticum and Mycoplasma synoviae by Real-time PCR
Michael Davis, UGA Poultry Diagnostic Research Center

Case Report
Columbid herpesvirus-1 Infection in a Great Horned Owl (Bubo virginianus)
Veronica Nguyen, University of California, Davis

Weather or Management: A Series of Erysipelas Cases in Commercial Turkeys During an Unseasonable Midwest Winter
Ashley Poissant, Jennie-O Turkey Store

Case Report: Glaucoma, Corneal Edema, Cataracts, and Retinal Degeneration in Broiler Breeder Chickens
James Davis, Georgia Poultry Laboratory Network

Avian Coryza and Laryngotracheitis co-infection in layer chicken: A case report
Ahmed Achhal, Clinique vétérinaire Tit Mellil

Outbreaks of duck viral enteritis in breeding mallards for the British game sector in 2023
Christopher Poulos, Pathology Department, Animal and Plant Health Agency

Ocular Marek's Disease in a Black Shouldered Peafowl
Hailey Quercia, Virginia Department of Agriculture and Consumer services

Diagnostics

Modified Extraction Method Reduced Variation in Feather Corticosterone Replicates In Combination With High Extraction Efficiency
Nikolas Faust, Poultry Science Department, Texas A &M University

Nanopore Adaptive sampling: a new tool for in silico enrichment for respiratory pathogens from clinical samples
Maria Chaves, Iowa State University

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

Rapid Disease Diagnostics in Broiler Chickens Using Metabolomics
Asha Ranaraja, University of Saskatchewan

Advantages of Genotyping Infectious laryngotracheitis virus (ILTV) from Clinical Samples Using MiniON
April Skipper, University of Georgia

Enhancing Diagnostic Efficiency: Implementation of a Multi-Laboratory Platform for Poultry Diagnostics
Dimitri Popov, Aggio

Optimizing Metagenomic Approaches for Enhanced Food Safety in Poultry Production Environment.
Mostafa Ghanem, University of Maryland, College Park
Use of High-Resolution Melting Point RT-PCR for Confirming the Effectiveness of Two Live IB Vaccine Strains Application When Administered Simultaneously at the Hatchery and at Farm Level in Layers
Francisco Rios-Cambre, MSD Salud Animal Mexico

Looking beyond implementing Oxford Nanopore Technologies (ONT) in poultry diagnostics: Lessons Learned from Years of Working with ONT
Amro Hashish, Iowa State University

IBV molecular surveillance using Oxford Nanopore MinION sequencing
Renato Luciano, Biological Institute, Advanced Center of Research and Development for Poultry Health

Sara Cooper, Georgia Poultry Laboratory Network

Use of a new veterinary diagnostic tool for ELISA titer data analysis and interpretation
Reshma Ramachandran, Professional Services Veterinarian-II

HVT-NDV hatchery vaccination evaluation using a fusion protein-specific ELISA
Duane Murphy, Farbest Farms, Inc.

Developing Third Generation Sequencing Assays to Rapidly Analyze Whole Genome and Hexon Genotypes from Field Samples and Isolates of Fowl Adenovirus
Derek Moormeier, Ceva Animal Health

Incidence of airsacculitis in newly hatched broiler chicks in Brazil: possible causes and potential consequences
Jorge Chacon, Ceva Animal Health - Veterinary Services, Brazil

Nanopore sequencing protocol for enhanced genome recovery of Newcastle disease virus from clinical samples
Maria Chaves, Iowa State University

Developing a novel method for sequencing the whole genome of infectious bursal disease virus
Julia McElreath, Ceva Animal Health

Evaluating the role of Vitamin E in Turkey Degenerative Myelopathy Syndrome
Jonathan Elissa, Penn State University

Enteric Health

Colonization of Probiotic Bacteria in the Intestine of Chicken Embryos Following Coarse Spray on Incubating Eggs
Mihiprabha Rathnayake, University of Saskatchewan

Effect of RFC in the relative genetic expression of mRNA for: IgG, IgM, and INF γ, and histomorphometry in the intestine of broiler chickens.
Sebastian Mena, Dimune, Veterinary Services
Crude Protein and Starch Analyses of Fecal Feed Particles obtained from 60 Day-old Broilers
Samuel Christenberry, Alabama Veterinary Diagnostic Laboratory

Ex vivo assessment of the direct and indirect antimicrobial capacities of glycerides of lauric acid using gastrointestinal fluids
Wanderley Quinteiro-Filho, Adisseo LATAM

Effect of Bacillus subtilis DSM29784 secreted metabolites on poultry resilience
Wanderley Quinteiro-Filho, Adisseo LATAM

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

Microbiome Shifts in Birds Fed Quillaja saponaria and Yucca schidigera Biomass that are Related to Performance Outcomes
Luis Gomez, Phibro Animal Health Corporation

Infectious Bronchitis Virus

Detection of Avian Infectious Bronchitis GI-23 (Variant 2) Virus in Mexico During 2023
Juan Carlos Valladares de la Cruz, Phibro Animal Health

Epidemiological assessment of Infectious Bronchitis Virus after the detection of strains of the GI-23 lineage in Brazil
Jose Emilio Dias, Phibro Animal Health, Instituto Federal Catarinense, Concórdia – SC, Brazil

Reduction on airsacculitis condemnations in commercial broiler and griller flocks after introduction of homologous vaccine against IBV GI-23 lineage in Brazil
Josiane Griebeler, MSc. In veterinary science in Poultry Health - UFRGS

Improvement in the airsacculitis condemnation, antibiotic therapy, and mortality after introduction of a homologous vaccine against IBV - Var 2 (IS/1494/06 strain)
Andre Marca, DVM, University of Santa Catarina State (UDESC) - Brazil

Evaluation of Two Bronchitis Vaccines under field conditions
Lucas Colvero, MSD Saúde Animal

Efficacy of TABic® IBVAR206 vaccine against challenge with Infectious Bronchitis Virus BR-1 field strain in broiler chickens
Dana Goldenberg, Phibro Animal Health

Effect of spraying supplemental passive IBV antibodies in the protection against early IBV exposure in chicks
Rachel Jude, Department of Population Health & Reproduction, University of California, Davis
Identification and Geographic Location of Variant Strains of Infectious Bronchitis Virus in Broiler and Layer Farms in Peru 2023
Cesar Reyes, MSD Salud Animal - Peru

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

Polymorphisms of S1 Sequence following Single or Dual Infectious Bronchitis Virus Strains Passage in Embryonated Chicken Eggs
Ming-Kun Hsieh, Graduate Institute of Microbiology and Public Health, National Chung Hsing University, Taiwan

Infectious Bursal Disease

Disease Awareness Program: Field survey of Infectious Bursal Disease Virus from broiler and layer farms in Peru during 2020 and 2022
Claudia Carranza, Ceva Salud Animal - Peru

Infection by Genogroup 4 strains of Infectious Bursal Disease Virus negatively affects mortality and feed conversion in commercial broiler flocks in Brazil
Jose Emilio Dias, Phibro Animal Health, Instituto Federal Catarinense, Concórdia – SC, Brazil

Generation of avian paramyxovirus type 1 TS09 strain-based recombinants expressing the VP2 protein of infectious bursal disease virus and a chicken cytokine as dual vaccines for in ovo vaccination
Qingzhong Yu, USDA/ARS, US National Poultry Research Center

Genetic and epidemiological characteristics of Infectious Bursal Disease Virus circulating in broiler flocks in Brazil
Jorge Chacon, Veterinary Services - Ceva Animal Health, Brazil

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

Molecular detection and characterization of emerging novel variant IBDV (genotype A2dB1b) in the Middle East prompts concern of spread of subclinical disease forms
Matteo Legnardi, Department of Animal Medicine, Production and Health (MAPS), University of Padova

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

Reassortant strains of infectious bursal disease virus (IBDV) belonging to genogroup A3B1 predominate in British broiler flocks
Vishwanatha Reddy Avalakuppa Papi Reddy, The Pirbright Institute or Keele University
Immunoprotection of broiler chickens against variant infectious bursa disease virus (varIBDV SK09) and associated B cell, T cell subsets and macrophage profile in the bursa of Fabricius
Ayumi Matsuyama, University of Saskatchewan

Parasitology/Coccidiosis

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

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

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

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

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

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

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

Reovirus

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

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

Amino Acid Sequence Confirmation and Peptide Analysis of Avian Reovirus Proteins by Mass Spectrometry
Steven Conrad, USDA
Construction of recombinant Marek’s disease virus vaccine expressing sigma C proteins of avian reoviruses
Taejoong Kim, Southeast Poultry Research Laboratory, US National Poultry Research Center, USDA-ARS

Identification of the Role of Avian Reovirus Infection in Various Poultry Diseases in India
Namdeo Bulbule, Assistant General Manager

First Seroprevalence Survey of Avian Reovirus in Broiler Breeders Chicken Flocks in Morocco
Ahmed Achhal, Clinique vétérinaire Tit Mellil

Correlation Study Exploring the Relationship Between Maternal Titer and Maternal Antibody Levels in Turkeys for Reovirus
Evan VanBeusekom, Hendrix Genetics - Hybrid Turkeys LLC

Genotypic and pathological characterization of emerging avian reoviruses isolated from clinical cases in Georgia, USA
Sujit Mohanty, USDA-ARS

Proteomics of Avian Reovirus
Telvin Harrell, United States Department of Agriculture

Salmonella

Cross-protection conferred by a live-attenuated Salmonella Enteritidis vaccine against Salmonella Heidelberg and Salmonella Infantis challenge
Luiz Sesti, Ceva Animal Health

Evaluating Salmonella Serotype Bias in Various Enrichment Protocols
Katie Murray, Georgia Poultry Laboratory Network

A Novel Approach to the Salmonella ISR Genotyping of Field Isolates Using Nanopore Sequencing Technology
Scott Callison, Ceva Animal Health

Evaluation of different inactivated vaccines to control Salmonella on the performance and productivity of laying birds up to 37 weeks of age
Eva Hunka, Phibro Animal Health Corporation

Correlation between titers obtained in ELISA and Widal test for serological analysis of Salmonella groups B, C1 and D.
Eva Hunka, Phibro Animal Health Corporation

Live Salmonella Vaccine Compatibility with Competitive Exclusion Solution
Elizabeth Krushinskie, Food Safety Risk Management Consulting LLC

Evaluation of an Alpha-Monoglyceride Consumed in Broiler Chickens
Chad Malinak, Phibro Animal Health Corporation
Vaccinology

HVT-ILT-IBD: A Double Recombinant HVT-Based Vaccine for Protection Against IBDV and ILTV Plus Marek’s Disease Virus
Paula Dyas, Merck Animal Health

Induction of protective mucosal immunity against avian coronavirus via nanoparticle-synchronized antigen and adjuvant delivery to the chicken Harderian gland
Hui-Wen Chen, National Taiwan University

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

Comparison of two vaccination programs against fowl adenovirus serotype 8b (FAdV-8b) in broiler breeders in Peru
Bruno García, Ceva Animal Health Peru

Efficacy of different inactivated vaccines against infection with the B serovar variant of Avibacterium paragallinarum from Argentina in laying hens
Martina Dardi, Laboratorios HIPRA S.A.

Correlation between the spray dye levels on the body of broilers and the corresponding viral load in the trachea 6 days after vaccination against Infectious Bronchitis Virus
Jose Emilio Dias, Phibro Animal Health, Instituto Federal Catarinense, Concórdia – SC, Brazil

Evaluation of vaccine take in commercial broilers flocks vaccinated with a homologous vaccine against Infectious Bronchitis Virus GI-23 lineage in Brazil
Jose Emilio Dias, Phibro Animal Health, Instituto Federal Catarinense, Concórdia – SC, Brazil

Monitoring of a rHVT vaccine against Marek’s disease and Avian Influenza H5 in Broiler Breeders
Bruno García, Ceva Animal Health Peru

Effects of homologous vaccination against IBV GI-23 lineage on tracheal lesion, serology, antibiotic therapy, mortality, and airsacculitis condemnation in commercial broiler flocks in Brazil
Daiane Horn, Universidade Federal do Paraná, Palotina - PR, Brazil

Investigation of procedures and water quality impacting vaccine effectiveness in egg layers in Alberta
Muhammad Farooq, University of Calgary

Preliminary Evaluation of InvG as a Novel Salmonella Vaccine Candidate: Immunogenicity and Efficacy in Layer Chickens
Roshen Neelawala, University of Florida

Control of a Respiratory Complex in a Highly Challenged Region in Layers in Mexico
Francisco Rios-Cambre, MSD Salud Animal Mexico
Field evaluation of the efficacy of live E. coli and live Salmonella Typhimurium vaccination by parenteral administration in commercial layers  
Fernando Ruiz-Jimenez, Zoetis

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

Evidence of booster response of rFP-gB (ILT) in high ILT prevalence areas in Peru  
Claudia Carranza, Ceva Salud Animal - Peru

Mucosal and Serum Antibody Responses Elicited by Single Vaccination with Recombinant LaSota Virus Expressing IBV Spike in Chickens with NDV Maternal Antibodies 
Camila Cuadrado, Department of Pathobiology, College of Veterinary Medicine, Auburn University

Virology

Respiratory and gastrointestinal microbiome analysis of chicken infected with infectious bronchitis virus (DMV/1639)  
Heshanthi Herath, Faculty of Veterinary Medicine, University of Calgary

Inclusion Body Hepatitis (IBH) vaccines in Peru: an immunogenicity check  
Claudia Carranza, Ceva Salud Animal - Peru

Novel Marek Disease Hybrid strain RN1250 vaccination associated with a drop in Peripheral Neuropathy cases in commercial layers: A field report from Colombia  
Francisco Perozo, Boehringer Ingelheim

Vaccine Takes Evaluation of Turkey Herpesvirus vector - Newcastle Disease Recombinant Vaccine (HVT-ND) by Using on-site iiPCR Analyzer  
Keat Fu, Aviagen Inc

US-UK Collab: Influence of vaccines, host genetics, and mutation rates on the evolution of infectious diseases  
John Dunn, USDA-ARS, US National Poultry Research Center

Comparative Transcriptome Analysis of Chicken Embryos after Infection with Low Pathogenic Newcastle Disease Virus (LoNDV) from Wild Birds  
Deepa Chaudhary, Auburn University

Genetic and pathogenic characterization of avian Paramyxovirus isolated from domestic birds in Perú (2004-2022)  
María Eliana Icochea D’Arrigo, Universidad Nacional Mayor de San Marcos

Detection of Infections Laryngotracheitis Virus (ILTV) circulating in broilers with and without clinical signs  
Jose Linares, Ceva Animal Health
Identification and Functional Characterization of a Virokine Homologous to Chicken Interleukin-4 in Infectious Laryngotracheitis Virus
Stephen Spatz, US National Poultry Research Center, ARS-USDA

Sequence and phylogenetic analyses of chicken astroviruses (CAstVs) detected at Mississippi State University between 2016 to 2023 and associated with digestive and hatchability issues.
Alejandro Banda, Poultry Research and Diagnostic Lab Mississippi State University

Molecular characterization of emerging variants of turkey coronavirus associated with outbreaks in turkeys in 2023
Muhammad Luqman, South Dakota State University

Wealth of Knowledge

National Poultry Improvement Plan (NPIP): A Review of the Proposed Changes for the 46th Biennial Conference and the Federal Rulemaking Process
Elena Behnke, USDA APHIS VS NPIP

The Importance of Contact Time in Using Ultraviolet Light as a Disinfectant
Katherine Schaeffbauer, Jennie-O Turkey Store

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

Management of vaccination program against Infectious Bronchitis Virus as a tool to reduce antibiotic therapy in broilers in Brazil
Josiane Schuvank Maculan Salvo, Universidade Estadual do Centro Oeste (UNICENTRO) - Brazil

Developing Sterile Insect Technique (SIT) using Wolbachia for potential biocontrol of Litter beetles (Alphitobius diaperinus)
Teresa Dormitorio, Auburn University, Poultry Science Department

Significance of Biosecurity Audits in Addressing High Pathogenic Avian Influenza (HPAI) Challenges
Mostafa Ghanem, University of Maryland, College Park

The Great, the Good, the Untestable Serum
Jaime Hamrick, Georgia Poultry Laboratory Network

Safety in Necropsy: Human Protection for Poultry Dissection
Adriana Guzman, Georgia Poultry Laboratory Network

Part 2: NPIP Salmonella Program Overview Specific to Pullorum-Typhoid
Katy Burden, USDA NPIP