



# 2021 North Central Avian Disease Conference

**Tuesday, May 18**

*All times are CT*

Time	Speaker's Name	Speakers Affiliation	Presentation Title
8:00 – 8:15	Mohamed El-Gazzar and	Iowa State University	Introduction and Welcome Address
<b>Symposium: Genotyping vs Phenotyping: Moderator: Mohamed El-Gazzar</b>			
8:15 – 8:45	Chang-Won Lee	Ohio State University	Genotyping and Phenotyping: Distinction and Their Associations
8:45 – 9:15	Sunil Mor	University of Minnesota	Identification of Molecular Determinants that influence Virulence, Tissue Tropism, Transmission Potential, and Genetic Diversity of Turkey Reoviruses
9:15 – 9:45	Milos Markis	AviServe LLC	Pathotyping and Serotyping of Avian Reoviruses Associated with Viral Arthritis/Tenosynovitis
9:45 – 10:15	Lee, Mor and Markis		Genotyping Panel Discussion
<b>Poultry Virology Session I: Moderator: Chang-Won Lee</b>			
10:30 – 10:45	Rahul Kumar	University of Minnesota	Reoviral Hepatitis in Young Turkey Poults - An Emerging Problem
10:45 – 11:00	Cheng-Shun Hsueh	Iowa State University	Correlation of histopathologic lesions to RT-PCR Ct values and investigation of In Situ Diagnostic Assays for Avian Reovirus
11:00 – 11:15	Rahul Kumar	University of Minnesota	Recombinant Pichinde virus vectored vaccine against turkey arthritis reovirus and its immunological response characterization in vaccinated turkeys
11:15 – 11:30	Donald L. Reynolds	University of Nebraska	Evaluation of Ivermectin Antiviral Activity Against Avian Infectious Bronchitis Virus (IBV)
<b>Poultry Virology Session II: Moderator: Mohamed El-Gazzar</b>			
12:30 – 12:45	Saad Gharaibeh	University of Minnesota	Inadequate and Late Immunity Against Newcastle Disease in Turkey Flocks
12:45 – 1:00	Elizabeth Beilke	West Liberty Foods, LLC	Re-Emergence of Avian metapneumovirus in Commercial Turkey Flocks
1:00 – 1:15	Marta Busquet Solé	HIPRA	Evaluation of the safety and efficacy of GUMBOHATCH® vaccine administered in ovo on a Belgian farm compared to an intermediate plus drinking water vaccine
<b>Poultry Bacteriology Session: Moderator Elise Gerken</b>			
1:30 – 1:45	Geoffrey Lossie	Purdue University	An Interesting Case of Caseous Sinusitis in Ring-Necked Pheasants
1:45 – 2:00	Amro Hashish	Iowa State University	Development of Core Genome Multilocus Sequence Typing Scheme (cgMLST) for Ornithobacterium rhinotracheale
2:00 – 2:15	Hailey Quercia	Auburn University	Morbidity and Mortality in Farmed Northern Bobwhite Quail: A Retrospective Study
2:15 – 2:30	Kelli Jones	Ceva Animal Health	Experiences with Spotty Liver Disease Caused by Campylobacter bilis in Commercial Laying Hens in the United States
2:30 – 2:45	Hemliata Gautam	University of Saskatchewan	Immunosuppression led to severe necrotic enteritis imprints in commercial broiler chickens
<b>Biosecurity Session: Moderator: Donald Reynolds</b>			
3:00 – 3:30	Derald Holtkamp	Iowa State University	Biosecurity Concepts and Approach
3:30 – 3:45	Rosemary Marusak	University of Minnesota	Incorporating a Non-H5/H7 Low Pathogenic Influenza A Virus Response into Company Biosecurity and Disease Response Plans – Ideas and Questions
3:45 – 4:00	Caley Ellington	Lincoln Premium Poultry	The Use of Drone Technologies to Aid in Site Specific Biosecurity Mapping, Grower Education, and Disease Outbreak Response
4:00 – 4:30	Mia Torchetti	NVSL USDA	Foreign Animal Disease Update
4:30 – 4:45	Mohamed El-Gazzar	Iowa State University	Poultry Medicine Workshops for Practicing Veterinarians
4:45 – 5:15	Holtkamp, Marusak, Torchetti		Biosecurity Panel Discussion

**Wednesday, May 19**

Time	Speaker's Name	Speaker Affiliation	Presentation Title
<b>Layer and Broiler Health Session: Moderator: Yuko Sato</b>			
8:00 – 8:30	J.J. (Sjaak) de Wit	University of Utrecht, the Netherlands	Recent Developments in Coryza Diagnostics
8:30 – 9:00	Sherrill Davison	University of Pennsylvania	Infectious Coryza in Pennsylvania
9:00 – 9:30	Rodrigo Gallardo	University of California Davis	Infectious Coryza in the West Coast: Persistence, Genotyping and Vaccine Efficacy
9:30 – 9:45	Ivan Alvarado	Merck Animal Health	Effect of Electrostatic Aspiration of a Novel Silane Quaternary Ammonium Compound (sQAC) on Hatchability and Chick Quality
9:45 – 10:00	Dan Domingo	Vaxxinova US	Siderophore receptor and porin (SRP) protein vaccines against fowl cholera: overcoming the serotype paradox
10:00 – 10:15	Júlia Pié	IFTA (USA)	Use of Alquerinat Cones (botanical) alone and in combination with coccidiostats in experimentally challenged broilers with different strains of Eimeria
<b>Turkey Health Session: Moderator: Elizabeth Beilke</b>			
10:30 – 11:00	Steven Clark	Huvepharma Inc.	Historical Trends of Turkey Diseases: The Turkey Industry Annual Report
11:00 – 11:15	Vijay Durairaj	Huvepharma Inc.	A Clinical Investigation of High Mortality in Turkeys
11:15 – 11:30	Joseph Gendreau	University of California Davis	Using Machine Learning Based Approaches to Explore Predictions in Poultry Production
11:30 – 11:45	H.M. Abdullah	Ohio State University	A Perspective on the Role of Turkey Eimeria Vaccines and Anti-Coccidials in Today's Industry
11:45 – 12:00	Vijay Durairaj	Huvepharma Inc.	Lessons Learned from Pathogenesis Studies of Histomonas meleagridis in Turkeys
<b>NCADC Business Meeting &amp; Awards: Moderator: Mohamed El-Gazzar</b>			
12:00 – 12:15	Mohamed El-Gazzar	Program Chair	NCADC Business Meeting
12:15 – 12:30	Mohamed El-Gazzar	Program Chair	Awards Ceremony
12:30	Mohamed El-Gazzar	Program Chair	Closing Remarks and Adjourn