

73rd North Central Avian Disease Conference
March 21st – 22nd, 2022
Minneapolis Convention Center
Minneapolis, Minnesota



Monday, March 21st

7:00 – 7:45 **Registration and Breakfast**
7:45 – 8:00 **Introduction and Welcome Address**
Mohamed El-Gazzar, Program Chair and
Dr. Dale Lauer, Assistant Director at Minnesota Board of Animal Health

Emerging and Re-emerging Diseases I (Turkeys)

8:00 – 8:30 **# When You Hear Gobbling, Think Turkeys....and Emus**
Kabel Robbins, Butterball, LLC.

8:30 – 8:45 ****A turkey hepatitis reovirus induced tenosynovitis in turkeys: A field case study**
Tamer Sharafeldin, South Dakota State University

8:45 – 9:00 **Finding Pneumo? Part 2: A Case Report of Turkey Respiratory Disease**
Elizabeth M. Beilke, West Liberty Foods, LLC.

9:00 – 9:15 **Evaluation of the first cycle shedding in turkey poult vaccinated with coccidiosis vaccine using different spray methods and diluents**
Kelli Jones, Ceva Animal Health, LLC.

9:15 – 9:30 ****Tetratrachomonas gallinarum-associated ulcerative typhlitis along with other pathogens complication and Vitamin A deficiency in turkeys**
Khaled Abosria, South Dakota State University

9:30 – 9:45 **Doc, would you come out and look at my flock? I think I've got the "West Side Hack". A case history and review of Bordetellosis in Turkeys**
Terry Olson, Tyson Foods

9:45 – 10:00 ***Think with me: A case of high mortality in 13-day-old turkey poults with suspect ricketts**
Brittany Skaggs, Iowa State University

10:00 – 10:15 **Break**

#Key Note Speaker
***Student Competition**
****Case Study Competition**
Submitted Presentation

Emerging and Re-emerging Diseases II (Layers)

- 10:15 – 10:45 **#Back To The Future: New Approaches To Old Problems in Field Poultry Medicine**
Dan Wilson, Wilson Veterinary Co.
- 10:45 – 11:00 **Stunted Pullets in Ohio – A Case Report**
Eric Gingerich, Diamond V
- 11:00 – 11:15 **Persistent Mortality in Aviary Laying Hens**
Mark Blakley, QTI Animal Health
- 11:15 – 11:30 **Day spray infectious bronchitis (IB) vaccine study on early DMV/1639 protection in leghorns**
Kalen Cookson, Zoetis—U.S. Poultry
- 11:30 – 11:45 **Evidence for Antibody-Dependent Enhancement with Avian Infectious Bronchitis Virus**
Donald Reynolds, University of Nebraska
- 11:45 – 12:00 ****Worms Gone Awry in a Backyard Peafowl Flock**
Nicholas Newsome, Purdue University
- 12:00 – 12:15 ***A Case of Nodular Typhlitis in a Captive Lady Amherst Pheasant from Louisiana**
Jason Sousa, Texas A&M University
- 12:15 – 1:00 **Lunch Break (Lunch sponsored by Alltech)**

Diagnostics of Emerging and Re-emerging Poultry Diseases

- 1:00 – 1:30 **#Emerging and Re-emerging Diseases: Tools of Discovery**
Mick Fulton, Michigan State University
- 1:30 – 1:45 **ORT: What can we learn from its genome?**
Tim Johnson, University of Minnesota
- 1:45 – 2:00 ***An insight to *Ornithobacterium rhinotracheale* through a time space investigation in turkeys**
Miranda Painter, Iowa State University
- 2:00 – 2:15 **Improving the Differential Diagnosis of Avian Respiratory Diseases by developing novel qPCR assays for detection of *Bordetella avium* and *Ornithobacterium rhinotracheale***
Amro Hashish, Iowa State University
- 2:15 – 2:30 **Development of a multilocus sequence typing scheme for *Avibacterium paragallinarum***
Mostafa Ghanem, University of Maryland
- 2:30 – 2:45 **Development of a Multilocus Sequence Typing Scheme (MLST) for *Avibacterium paragallinarum***
James Mills, Ceva Animal Health
- 2:45 – 3:00 **The Validation Process of Environmental Sampling for Egg Drop Syndrome Virus**
Geoffrey Lossie, Purdue University

3:00 – 3:15

Break

Alltech presentation

3:15 – 3:45

Cause and Effect of Evolving Diseases in Poultry: Insights Into Food Safety, Antimicrobial Resistance and Sustainability

Dulmelis Sandu, Alltech, Inc.

Biosecurity

3:45 – 4:00

Introducing Best Practices Risk Assessments for High Consequence Movements During a Highly Pathogenic Avian Influenza Outbreak

Michelle Leonard, University of Minnesota

4:00 – 4:15

***Camera Placement for Biosecurity Tracking at Turkey Farms**

Chloe Beaudoin, University of Minnesota

4:15 – 4:30

Giving Science a Seat at the Table; Educating Industry Executives on Avian Influenza

Katherine Schaeffbauer, University of Minnesota

4:30 – 4:45

****Case report on enterotyphlocolitis in ring-necked pheasants**

Vijay Durairaj, Huvepharma, Inc.

4:45 – 5:00

Coccidiosis preventing strategies – Botanicals, Another Brick In The Wall

Bertrand Medina, Probiotech International Inc.

Tuesday, March 22nd

7:00 – 8:00 **Breakfast**

Emerging and Re-emerging Diseases III (Broilers)

- 8:00 – 8:30 **#What's in your toolbox? Applied research and emerging diseases in poultry**
Holly Sellers, University of Georgia
- 8:30 – 8:45 ***Myopathy of Unknown Etiology in Broiler Breeder Males**
Jason Sousa, Texas A&M University
- 8:45 – 9:00 ***Dermatitis... In pullets?**
Gunnar Dunnam, Mississippi State University
- 9:00 – 9:15 **Evaluation of Candidate Reference Genes Stability for Gene Expression Analysis by Reverse Transcription QPCR in *Clostridium perfringens***
Mostafa Ghanem, University of Maryland
- 9:15 – 9:30 **Evaluation of the efficacy of a new formulation of Spinosad for controlling the Darkling Beetle (*Alphitobius diaperinus*) in commercial broiler houses**
Valerie Marcano, Elanco Animal Health
- 9:30 – 9:45 **Impact of environmental enrichment on growth, welfare, and meat quality traits of commercial broiler**
Muhammad Zahoor, University of Lahore, Pakistan
- 9:45 – 10:00 **The effectiveness of Selenium Source and Level: Improving Se Deposition in Broiler Breeder Eggs and Progeny**
Robert Shirley, Adisseo USA, Inc.
- 10:00 – 10:15 **Break**

Avian Influenza and Miscellaneous

- 10:15 – 10:45 **#Understanding and Mitigating the Risks of Highly Pathogenic Avian Influenza and Its Control**
Carol Cardona, University of Minnesota
- 10:45 – 11:00 ***Mycoplasma gallisepticum* (MG) and *Mycoplasma synoviae* (MS) Multilocus Sequence Typing (MLST) Public Databases: Update and Invitation to Use**
Mostafa Ghanem, University of Maryland
- 11:00 – 11:15 **Evaluating the efficacy of siderophore receptor and porin (SRP®) protein vaccines against experimental *E. coli* challenge in chickens**
Dan Domingo, Vaxxinova US
- 11:15 – 11:30 **Hydroxy Selenomethionine Alone or in Comparison to Different Selenium Sources Improves Laying Hens Productivity and Enriches Selenium Body Reservoirs Under Different Production Periods and Stress Conditions**
Haitham Yakout, Adisseo USA, Inc.
- 11:30 – 12:15 **Awards Ceremony and Closing Remarks**
- 12:15 – 1:00 **Social Event and Adjourn (Lunch sponsored by *Alltech*)**