

2024 International Avian Respiratory Disease Conference

Tuesday May 14th

Registration – 4-7pm (Conference Registration Desk)
Welcome Reception – 5-7pm, GA Center (Pecan Tree Galleria)

Wednesday May 15th

Registration: 7-9 am (Conference Registration Desk)
Breakfast: 7 - 8:30, GA Center (Magnolia Ballroom)
Morning Session: 9am – 12pm (Masters Hall)
Morning Break: 10:30 – 10:45 (Pecan Tree Galleria)
Lunch: 11:45am – 1:00pm (Magnolia Ballroom)
Afternoon Session: 1:00pm – 5:00pm (Masters Hall)
Afternoon Break: 3:00pm – 3:15pm (Pecan Tree Galleria)
Dinner: 6:00pm – 8:00pm (Magnolia Ballroom)

Thursday May 16th

Breakfast: 7 - 8:30, GA Center (Magnolia Ballroom)
Morning Session: 9am – 11:30pm (Master Hall)
Morning Break: 10:15 – 10:30 (Pecan Tree Galleria)
Lunch: 12:00pm – 1:30pm (Magnolia Ballroom)
Afternoon Session: 1:30pm – 4:30pm (Masters Hall)
Dinner (Offsite): 6:00pm – 10:00pm (Creature Comforts)

Friday May 17th

Breakfast: 7 - 8:30, GA Center (Magnolia Ballroom)
Morning Session: 9am – 11am (Master Hall)
Lunch: Box Lunch To Go (Pecan Tree Galleria)

2024 International Avian Respiratory Disease Conference Program

Wednesday May 15th

Morning Session: Mycoplasma and Respiratory Disease Complex

9:00 – Review of the Current Mycoplasma Situation in the United States
Dr. Naola Ferguson-Noel

9:30 – Improvement in the Name of the Game: An Overview of the Mycoplasma
Classifications Under the National Poultry Improvement Plan
Dr. Katy Burden

9:45 – Genetic Analysis of Three Genes Influencing Colonization, Immunogenicity, and
Transmissibility in Virulent and Non-Virulent *Mycoplasma synoviae* Isolates
Dr. Eniope Oluwayinka

10:00 – *Mycoplasma synoviae* Genotyping and Phylogenetic Analysis: A
Comprehensive Study of VIha Gene Variation in the Middle East
Husam Bakri

10:15 – Phasing Out Antibiotics in Layer and for “Post Vaccinal Reaction” by *Mycoplasma*
Control by Vaccination with Live *Mycoplasma* Vaccines
Dr. Chris Morrow

10:30 – Break

10:45 – Investigation of Upper Respiratory Tract Infections in Commercial Free Range
Layer Farms in Australia
Chaturi Rodrigo

11:00 – Could Metagenomics Alone be a Diagnostic Tool for Upper Respiratory Tract
Infections in Commercial Layers?
Dr. Sathya Kulappu Arachchige

11:15 – Characterization of the Respiratory Microbiome of Commercial Poultry
Diagnosed with Viral Respiratory Disease Complex
Dr. Calvin Keeler

11:30 – Avian Infectious Respiratory Conditions in Latin America Poultry Operations
Dr. Rafael Fernandez

11:45 – Lunch

Afternoon Session: Infectious Bronchitis Virus

- 1:00 – Review of IBV Around the World
Dr. Sjaak de Wit
- 1:30 – IBV Field Surveillance Findings from Broilers Across Multiple States
Dr. Eric Shepherd
- 1:45 – Australian Strains of Infectious Bronchitis Virus: Not as Nephropathogenic as They Used to be
Dr. Jose Quinteros
- 2:00 – Infectious Bronchitis Variant Strains Challenging the MENA Region
Husam Bakri
- 2:15 – Infectious Bronchitis Virus Variant DMV/1639 and False Layer Syndrome: an Overview
Dr. Adrea Mueller-Slay
- 2:30 – Study Investigating the Impact of IBDV (AL2) on IBV (DMV/1639) Infections, Lesions, and Protection in Commercial Broilers Based in Infectious Bronchitis Vaccination Status
Dr. Kalen Cookson
- 2:45 – The Importance of Maternal Antibodies in IBV Protection
Dr. Rodrigo Gallardo
- 3:00 – Break
- 3:15 – Exploring the Genomic, Recombination, and Structural Dynamics of Unique Infectious Bronchitis Virus (IBV) Variants Linked to an Eastern Canada Infectious Bronchitis (IB) Case
Muhammad Farooq
- 3:30 – Identification of Infectious Bronchitis Virus Recombinants Using Next Generation Sequencing
Dr. Robert Beckstead
- 3:45 – New Horizons in the Characterization of Infectious Bronchitis Virus Variants: The Role of Nanopore Sequencing
Dr. Amro Hashish
- 4:00 – New Infectious Bronchitis Virus Indirect ELISA, Based on Well Conserved Recombinant Protein, for Improved Detection of Live Vaccines and Challenge Including Variant Strains
Rafael Forero

- 4:15 – Results of Experiments with 3 Isolates (D2860-like) of IBV Genotype VIII, an Unusual Type of IBV
Dr. Sjaak de Wit
- 4:30 – Exploring Host-Pathogen Interactions: Transcriptomic Analysis of the Antiviral Response to Avian Infectious Bronchitis Virus in Primary Epithelial Cells *in vitro* and in the Chicken Trachea *in vivo*
Kelsey O'Dowd
- 4:45 – The Combination of BR1+Mass IBV Vaccines Provides Broad Protection
Dr. Sjaak de Wit
- 5:00 – Closing Remarks

Thursday May 16th

Morning Session: Newcastle Disease Virus

- 9:00 – Overview of NDV Research at the Southeast Poultry Research Laboratory
Dr. Chang-Won Lee
- 9:30 – Application of ELLA for Detection and Quantification of Neuraminidase Inhibition Antibody Induced by Newcastle Disease Virus
Dr. Chang-Won Lee
- 9:45 – Detection and Differentiation of Low Virulence and Virulent Avian Orthoavulavirus-1 Using a Molecular Beacon with RT-LAMP
Dr. Megan Mears
- 10:00 – Binding of the Hemagglutinin-Neuraminidase Protein to Chicken Tissues to Predict the Pathogenic Potential for Chickens of Newcastle Disease Virus Isolates
Dr. Vicky van Santen
- 10:15 – Break
- 10:30 – MicroRNA 26a-5p Regulates Replication of Velogenic CA18 Newcastle Disease Virus via Independent Mechanisms
Dr. Abhijeet Bakre
- 10:45 – Newcastle Disease Virus-Like Particles as Tools for Improved Vaccination Strategies in Long- and Short- Living Birds
Colas Soldan
- 11:00 – Genotyping of Avian Orthoavulavirus Type-1 Circulating in Poland Between 2002-2016
Dr. Kasia Domanska-Blicharz

11:15 – Newcastle Disease Virus Outbreaks in Poland After a 50-Year Hiatus
Dr. Kasia Domanska-Blicharz

11:30 – Genotype VII Recombinant Newcastle Vaccine, From Development to Filed
Commercial Usage
Dr. Eitan Kin

11:45 – Efficacy of Live and Inactivated Recombinant Newcastle Disease Virus Vaccines
Expressing Clade 2.3.4.4b H5 Hemagglutinin Against H5N1 Highly
Pathogenic Avian Influenza in SPF Chickens, Broilers, and Domestic Ducks
Dr. Andrew Cho

12:00 – Lunch

Afternoon Session: Avian Metapneumovirus Symposium

1:30 – Beyond Borders: Introduction of Avian Metapneumovirus Subtype B in US
Poultry
Dr. Sunil Mor

2:00 – What's Old is New Again
Dr. Molly Parker

2:30 – An Outbreak of Avian Metapneumovirus in Broiler Breeder Hens in Georgia
Dr. Sarah Tilley

3:00 – Lesions Associated with Avian Metapneumovirus Subtype B Infection in
Commercial Turkeys and Chickens
Dr. Dallas Clontz

3:30 – Avian Metapneumovirus in U.S. Chickens and Turkeys
Dr. Holly Sellers

4:00 – Regulatory or Q&A

Friday May 17th

Morning Session: Infectious Laryngotracheitis Virus

9:00 – History of ILTV Lecture
Dr. Maricarmen Garcia

9:45 – Generation of Avian Paramyxovirus Type 1-Based Recombinants Expressing
Glycoproteins B or D of Infectious Laryngotracheitis Virus as Dual Vaccines for
In Ovo Vaccination
Dr. Lei He

10:00 – rHVT and Live Attenuated Vaccines: Maximizing Protection against Newcastle Disease and Infectious Laryngotracheitis

Dr. Ivan Alvarado

10:15 – Rational Design of an Infectious Laryngotracheitis (ILT) Live Vaccine Candidate Containing a Deletion in the Gene Encoding an Interleukin-4 Homolog

Dr. Stephen Spatz

10:30 – Approaches Towards Improving Infectious Laryngotracheitis (ILT) Vaccine Safety and Efficacy

Dr. Maricarmen Garcia

10:45 – Closing Remarks