

▶ AAAP Symposium  
"The Future of the AAAP...It's not all  
about the Science"

● June 11 - June 14 ● 2023

**aaaap**  
AMERICAN ASSOCIATION OF AVIAN PATHOLOGISTS

# *Symposium & Scientific Program*



The American Association of Avian Pathologists  
Facilities member collaboration to advance science-based knowledge, expertise, and  
education on poultry health, welfare, and food safety.

**Jacksonville, FL**  
**June 11 - June 14, 2023**



**MERCK ANIMAL HEALTH**  
is the proud sponsor of the  
**SCIENTIFIC PROGRAM BOOK.**

THE SCIENCE OF HEALTHIER ANIMALS.

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US/ALL/0517/0034



# AAAP Event Schedule

## Saturday, June 10

### Diversity and Inclusion Committee Event

7:00 PM: Heritage DE  
Sawgrass Marriott

## Sunday, June 11

### Scientific Program Keynote Address

David Swayne  
8:15 AM: Champions Ballroom  
Sawgrass Marriott

### Scientific Symposium

1:00 PM: Champions Ballroom  
Sawgrass Marriott

### Poster Session and Reception

5:00 PM: Masters Ballroom  
Sawgrass Marriott

### Women's Network Committee Dinner

6:30 PM: Arbor Ballroom  
Sawgrass Marriott

## Monday, June 12

### Poultry Professionals Networking Event

5:30 PM: Arbor Ballroom  
Sawgrass Marriott

## Tuesday, June 13

### Lasher-Eckroade History Lecture

Maricarmen Garcia  
10:15 AM: Champions Ballroom  
Sawgrass Marriott

### Business Meeting

10:45 AM: Champions Ballroom  
Sawgrass Marriott

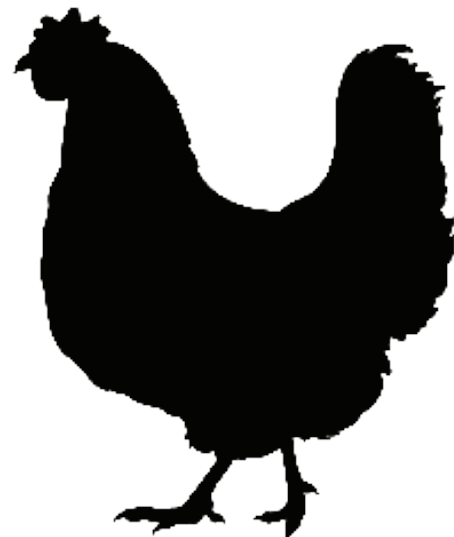
### Awards Banquet

5:30 PM: Arbor Ballroom  
Sawgrass Marriott

## Wednesday, June 14

### Wellness Talk

Valerie Marcano  
11:30 AM: Champions Ballroom  
Sawgrass Marriott



Name of Group	Meeting Date	Beg. Time	End Time	Location	Room
<b>AAAP Board of Directors Meetings</b>					
AAAP Inc. and Foundation Board of Directors	Saturday, June 10	8:00 AM	5:00 PM	Sawgrass Marriott	Governors
AAAP Past Presidents Luncheon	Monday, June 12	12:00 PM	1:15 PM	Sawgrass Marriott	Players C
AAAP Committee Chairs and BOD Lunch	Tuesday, June 13	12:00 PM	1:15 PM	Sawgrass Marriott	Players BC
<b>Committee Meetings</b>					
History Committee	Tuesday, May 30	3:30 PM	4:30 PM	Virtual Meeting	<a href="#">Virtual Meeting</a>
Histopathology/Case Report Interest Group	Thursday, June 1	9:00 AM	12:00 PM	Virtual Meeting	<a href="#">Virtual Meeting</a>
Avian Diseases Advisory Board	Tuesday, June 6	1:00 PM	2:00 PM	Virtual Meeting	<a href="#">Virtual Meeting</a>
Avian Diseases Reviewers Board	Tuesday, June 6	2:00 PM	3:00 PM	Virtual Meeting	<a href="#">Virtual Meeting</a>
Tumor Virus Committee	Thursday, June 8	8:00 AM	9:00 AM	Virtual Meeting	<a href="#">Virtual Meeting</a>
Avian Bioscience Travel Scholarship Committee	Tuesday, June 13	1:15 PM	2:00 PM	Sawgrass Marriott	Players A
Small Flocks Committee	Tuesday, June 13	1:15 PM	2:00 PM	Sawgrass Marriott	Heritage AB
AAAP Foundation Development Committee	Tuesday, June 13	1:15 PM	2:00 PM	Sawgrass Marriott	Players BC
Awards Committee	Tuesday, June 13	1:15 PM	2:00 PM	Sawgrass Marriott	Heritage DE
Preceptorship Committee	Tuesday, June 13	1:15 PM	2:00 PM	Sawgrass Marriott	Heritage C
AAAP Foundation Scholarship Committee	Tuesday, June 13	2:00 PM	3:00 PM	Sawgrass Marriott	Players A
Animal Welfare Committee	Tuesday, June 13	2:00 PM	3:00 PM	Sawgrass Marriott	Heritage AB
Education Committee	Tuesday, June 13	2:00 PM	3:00 PM	Sawgrass Marriott	Players BC
Outreach Committee	Tuesday, June 13	2:00 PM	3:00 PM	Sawgrass Marriott	Heritage C
Diseases of Public Health Significance	Tuesday, June 13	2:00 PM	3:00 PM	Sawgrass Marriott	Players D
Research Priorities Committee	Tuesday, June 13	3:00 PM	4:00 PM	Sawgrass Marriott	Players A
Respiratory Diseases Committee	Tuesday, June 13	3:00 PM	4:00 PM	Sawgrass Marriott	Heritage AB
Enteric Diseases Committee	Tuesday, June 13	3:00 PM	4:00 PM	Sawgrass Marriott	Players BC
Toxic, Infectious, Miscellaneous & Emerging Diseases Committee	Tuesday, June 13	3:00 PM	4:00 PM	Sawgrass Marriott	Heritage DE
Food Safety Committee	Tuesday, June 13	3:00 PM	4:00 PM	Sawgrass Marriott	Heritage C
Avian Diseases Manual Editorial Board	Tuesday, June 13	4:00 PM	5:00 PM	Sawgrass Marriott	Players A
Epidemiology Committee	Tuesday, June 13	4:00 PM	5:00 PM	Sawgrass Marriott	Heritage AB
Therapeutics, Biologics and Bioprotection Committee	Tuesday, June 13	4:00 PM	5:00 PM	Sawgrass Marriott	Players BC
LAC Committee	Tuesday, June 13	4:00 PM	5:00 PM	Sawgrass Marriott	Heritage DE
Membership Committee	Tuesday, June 13	4:00 PM	5:00 PM	Sawgrass Marriott	Heritage C
Diversity and Inclusion Committee	Tuesday, June 13	4:00 PM	5:00 PM	Sawgrass Marriott	Players D
<b>Program Events</b>					
AAAP Speaker Ready Room	Saturday, June 10	8:00 AM	12:00 AM	Sawgrass Marriott	Patrons
AAAP Poster Room	Saturday, June 10	8:00 AM	12:00 AM	Sawgrass Marriott	Masters Ballroom
AAAP Session Room 1	Saturday, June 10	8:00 AM	12:00 AM	Sawgrass Marriott	Champions ABCD
AAAP Session Room 2	Saturday, June 10	8:00 AM	12:00 AM	Sawgrass Marriott	Champions EFGH
Diversity and Inclusion Committee Event	Saturday, June 10	7:00 PM	8:30 PM	Sawgrass Marriott	Heritage DE
Mentor/Mentee Breakfast (Invitation Only)	Sunday, June 11	7:00 AM	8:00 AM	Sawgrass Marriott	Gallery AB
AAAP Opening Session	Sunday, June 11	8:00 AM	8:15 AM	Sawgrass Marriott	Champions ABCD
AAAP Scientific Program Keynote Address	Sunday, June 11	8:15 AM	9:00 AM	Sawgrass Marriott	Champions ABCD
AAAP Symposium	Sunday, June 11	1:00 PM	5:00 PM	Sawgrass Marriott	Champions ABCD
AAAP Welcome Reception and Poster Session	Sunday, June 11	5:00 PM	6:30 PM	Sawgrass Marriott	Masters Ballroom
AAAP Women's Network Dinner and Meeting	Sunday, June 11	6:30 PM	9:30 PM	Sawgrass Marriott	Arbor Ballroom
AAAP Poultry Professional Networking (Meet the Expert)	Monday, June 12	5:30 PM	7:00 PM	Sawgrass Marriott	Arbor Ballroom
AAAP Lasher-Eckroade History Lecture	Tuesday, June 13	10:15 AM	10:45 AM	Sawgrass Marriott	Champions ABCD
AAAP Business Meeting	Tuesday, June 13	10:45 AM	12:00 PM	Sawgrass Marriott	Champions ABCD
AAAP Awards Reception before Dinner	Tuesday, June 13	5:30 PM	6:00 PM	Sawgrass Marriott	Arbor Terrace
AAAP Awards Dinner	Tuesday, June 13	6:00 PM	8:00 PM	Sawgrass Marriott	Arbor Ballroom
Wellness Talk	Wednesday, June 14	11:30 AM	12:00 PM	Sawgrass Marriott	Champions ABCD
<b>ACPV</b>					
ACPV Board of Governors Meeting	Tuesday, June 13	7:00 AM	10:00 AM	Sawgrass Marriott	Players A
ACPV Reception/Annual Meeting	Wednesday, June 14	7:00 AM	8:30 AM	Sawgrass Marriott	Heritage Ballroom
<b>Invitation Only</b>					
Association of Veterinarians in Turkey Production	Saturday, June 10	8:00 AM	5:00 PM	Sawgrass Marriott	Heritage DE
Association of Veterinarians in Broiler Production Meeting	Saturday, June 10	8:00 AM	3:00 PM	Sawgrass Marriott	Players BC
Association of Veterinarians in Egg Production	Saturday, June 10	10:00 AM	5:00 PM	Sawgrass Marriott	Heritage AB
Association of Poultry Primary Breeder Veterinarians	Sunday, June 11	11:30 AM	1:00 PM	Sawgrass Marriott	Gallery AB
NC Veterinarians and NCSU Students and Alumni	Monday, June 12	7:00 AM	8:00 AM	Sawgrass Marriott	Gallery AB
MAM and MAHM Alumni Association	Monday, June 12	7:00 AM	8:00 AM	Sawgrass Marriott	Heritage DE



## AAAP Constitutional Committee Chairs

[www.aaap.info/committees](http://www.aaap.info/committees)

### Auditing

Karen Grogan

### Nominating

David Frame

### Resolutions

Frederic J. Hoerr

## AAAP Task Force Committee Chairs

### Animal Welfare and Management Practices

Marie Severyn 2023

### Bylaws Review

Patty Dunn 2024

### Diseases of Public Health Significance

Claude Hebron 2024

### Diversity & Inclusion

Valerie Marcano 2023

### Therapeutics, Biologics, and Bioprotection

Randy Singer 2024

### Education

Nisana Siman-Tov 2025

### Enteric Diseases

Maria Terra 2025

### Epidemiology

Mo El-Gazzar 2024

### Food Safety

Beth Krushinskie 2025

### History of Avian Medicine

Ton Schat 2025

### Legislative Advisory

Suzanne Dougherty 2026

### Membership

Hailey Quercia 2023

### Program Advisory

Natalie Armour 2024

### Respiratory Diseases

Rodrigo Gallardo 2024

### Research Priorities

Joel Cline 2023

### Tumor Virus

Algis Martinez 2024

### Toxic, Infectious, Miscellaneous and Emerging Diseases

Elizabeth Beilke 2024

### Small Flocks

Julie Helm 2024

### Women's Network

Andrea Zedek 2023

### Outreach

Yuko Sato 2024

### Committee Review

Bruce Stewart-Brown

## 2022-2023 AAAP

### Board of Directors

[www.aaap.info/aaap-board-of-directors](http://www.aaap.info/aaap-board-of-directors)

### Rocio Crespo

AAAP President 2023

### Deirdre Johnson

AAAP President-Elect 2023

### Suzanne Dougherty

AAAP EVP 2026

### Louise Dufour-Zavala

AAAP Past President 2023

### Claudia Osorio

Director 2023

### Michelle Kromm

Director 2023

### Julie Helm

Director 2024

### Karen Grogan

Director 2024

### Simone Stoute

Director 2025

### Naola Ferguson-Noel

Director 2025

### Eliza Theis

Student Director 2023

### Holly Sellers

Associated Director 2024

## AAAP Publication Board Chairs

### Avian Diseases Advisory Board

Y. M. Saif

### Avian Diseases Editorial Board

Y. M. Saif

### Avian Diseases Manual

Martine Boulianne

### Avian Histopathology Manual Board

Tahseen Abdul-Aziz

### Gross Pathology of Avian Disease

Tahseen Abdul-Aziz

### Biosecurity Manual Board

Robert L. Owen

### Diseases of Poultry Editorial Board

David E. Swayne

### Isolation of Avian Pathogens Manual Board

Susan Williams

**2022-2023 AAAP  
Foundation Board  
of Directors**

[www.aaap.info/foundation](http://www.aaap.info/foundation)

**Eric Gingerich**  
Foundation President 2023

**Sara Throne**  
Foundation President-Elect  
2023

**Rocio Crespo**  
AAAP President 2023

**Deirdre Johnson**  
AAAP President-Elect 2023

**Suzanne Dougherty**  
AAAP Executive Vice President  
2026

**Louise Dufour-Zavala**  
Director 2023

**Claudia Osorio**  
Director 2023

**Michelle Kromm**  
Director 2023

**Julie Helm**  
Director 2023

**Karen Grogan**  
Director 2023

**Simone Stoute**  
Director 2023

**Naola Ferguson-Noel**  
Director 2023

**Eliza Theis**  
Student Director 2023

**Holly Sellers**  
Associated Director 2023

**AAAP Representatives to AVMA**

**AVMA Animal  
Agriculture Liaison**  
Joel Cline 2024

**AVMA Animal  
Welfare Committee**  
Nancy Reimers 2025  
Sara Reichelt 2025 (Alternate)

**AVMA Clinical Practitioners  
Advisory Committee**  
Megan Lighty 2023

**AVMA Committee for Disaster and  
Emergency Issues**  
Michael Martin 2025

**AVMA Committee on Antimicrobials**  
Randall Singer 2024  
Hector Cervantes 2024 (Alternate)

**AVMA Convention  
Education Program Committee**  
Natalie Armour 2024  
Tak Niino 2024 (Alternate)

**AVMA Food Safety  
Advisory Committee**  
Douglas Fulnecheck 2023

**AVMA House of Delegates**  
Karen Grogan 2023  
Katherine Weathers 2023 (Alternate)

**AVMA Legislative  
Advisory Committee**  
Jose Linares 2024  
Suzanne Y. Dougherty 2024 (Alternate)

**AAAP Representatives to Allied Organizations**

**Council for Agriculture Science and  
Technology (CAST)**  
Mostafa Ghanem 2025

**Professional Animal Auditor Certification  
Organization (PAACO)**  
David Hermes 2025

**Stakeholder Forum on Antimicrobial  
Resistance (S-FAR)**  
Randall Singer 2025

**United States Animal Health  
Association (USAHA)**  
Yuko Sato 2025

**International Poultry Welfare Alliance  
(IPWA)**  
Mojtaba Yegani 2025

**US Food and Drug Administration (FDA)**  
Randy Singer 2025

**Animal Agriculture Coalition  
(AAC)**  
Jose Linares 2024

**Animal Agriculture Alliance (AAA)**  
Donald Ritter 2024

**National Chicken Council (NCC)**  
Beth Krushinskie 2022

**United Egg Producers (UEP)**  
Dan Wilson 2023

**US Poultry & Egg (USP)**  
Bruce Stewart-Brown 2023

**Center for Disease Control (CDC)**  
Denise Heard 2023

**National Turkey Federation (NTF)**  
David Hermes 2023

**AAAP Foundation Committee Chairs**

**Awards**  
John Dunn 2025

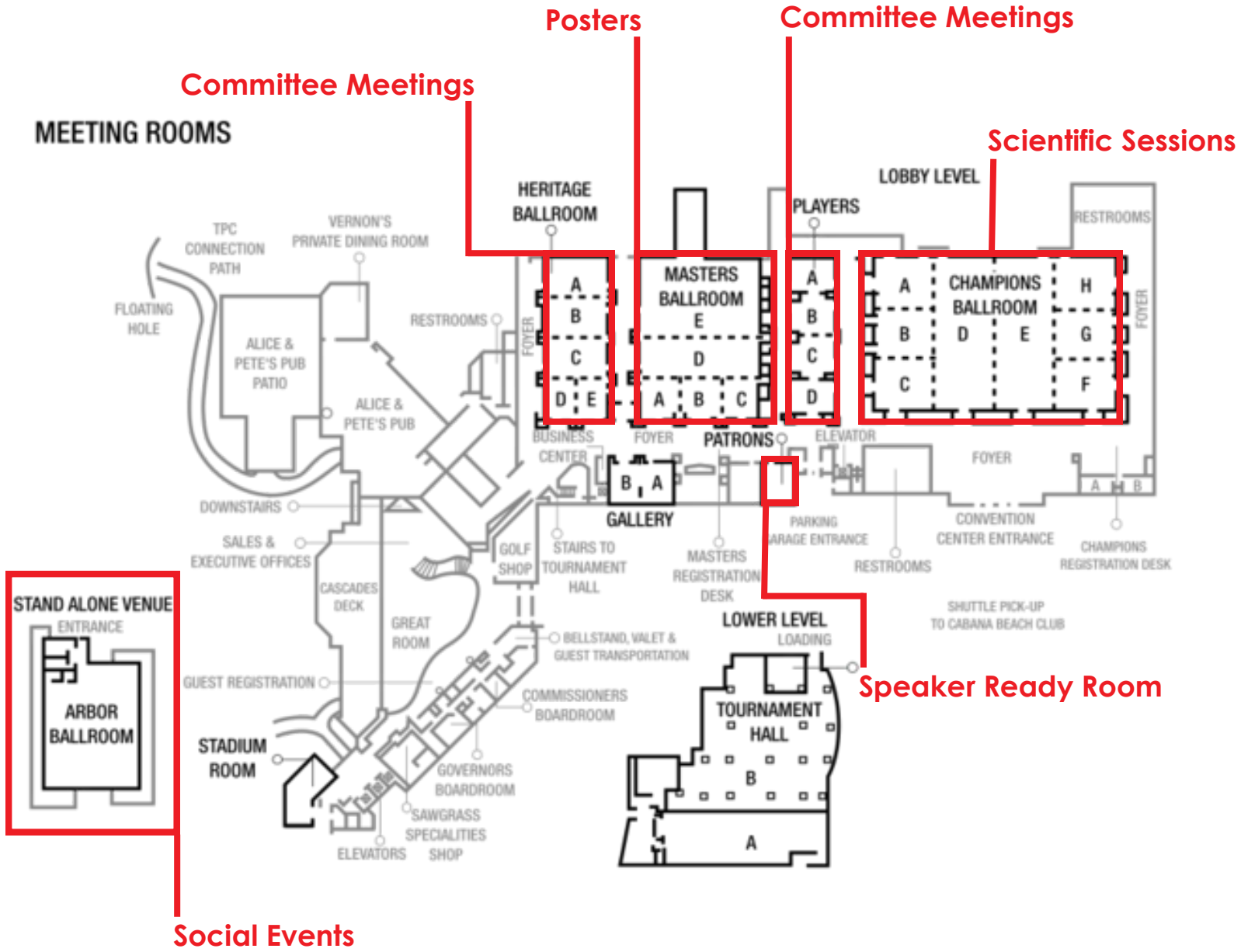
**Kenneth Eskelund Preceptorship**  
Karen Grogan 2023

**Poultry Scholarship**  
Kabel Robbins 2024

**Development Committee**  
Geoffrey Lossie 2023

**Avian Bioscience Travel Scholarship**  
Erica Spackman 2023

# Sawgrass Marriott Meeting Rooms



# 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>Intestinal Histopathology Related to Fecal and Litter Parameters in Broiler Chickens</b> Fred Hoerr, <i>Veterinary Diagnostic Pathology LLC</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 Eporitic</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	<b>The Use of ATP Bioluminescence Technology to Monitor Key Aspects of Your Biosecurity Program</b> Jantina De Vylder, <i>BioChek</i>	<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>
8:15 AM	<b>Ct Values: Facts, Fallacies, and Best Practices for Use in Veterinary Research and Diagnostics</b> Scott Callison, <i>Ceva Animal Health</i>	<b>The Impact of a Virulent Strain of Reovirus in a Heavy Tom Turkey Production Company</b> Trent Eckle, <i>Farbest Farms Inc.</i>
8:30 AM	<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>	<b>A Case of Ricketts in Commercial Poults</b> Katie Stumvoll, <i>Jennie-O Turkey Store</i>
8:45 AM	<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>	<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>
9:00 AM	<b>Optimizing Protocols for Monitoring a Novel Marek's Disease Vaccine (CVI-LTR)</b> William Stanley, <i>Boehringer Ingelheim</i>	<b>Egg Drop Syndrome in Broiler Breeders in the United States</b> Sabrina Hurst-Proctor, <i>Gaydos Technical Services, LLC</i>
9:15 AM	<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>	<b>Managing an Outbreak of Highly Pathogenic Avian Influenza in a Layer Breeder Flock</b> Isa Ehr, <i>Hendrix-Genetics, Hendrix-ISA LLC</i>
9:30 AM	<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>	<b>This Better Not Be HPAI...Acute Elevated Mortality in Layer Pullets</b> Yuko Sato, <i>Iowa State University</i>
9:45 AM	<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>	<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>
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>Heritage 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.*

**3.5: Minimum inhibitory concentration (MIC) of Mycoplasma spp isolates obtained from the South Indian poultry production region**

Esther Schonewille, *ECO animal health Ltd.*

**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 Poult 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 xylosum 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*

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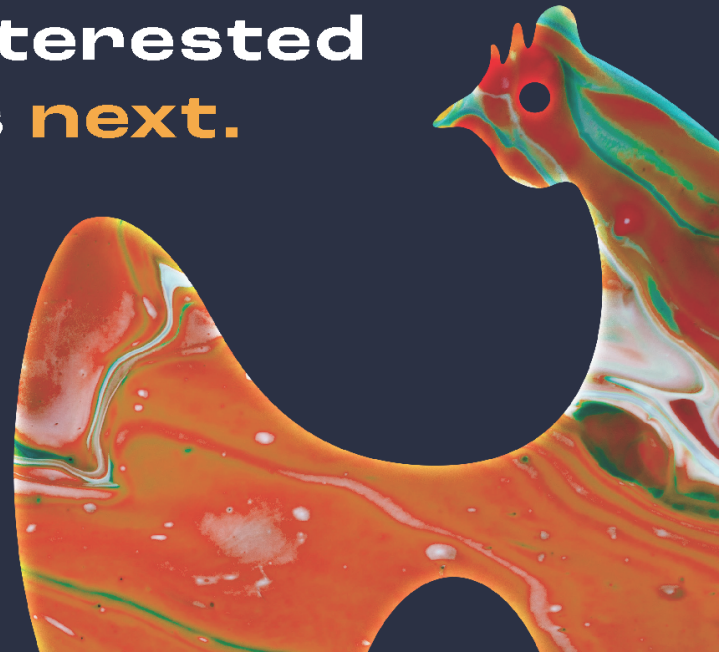
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