

▶ **AAAP SYMPOSIUM**
Educating the Poultry Professional



Symposium & Scientific Program

THE AMERICAN ASSOCIATION OF AVIAN PATHOLOGISTS

Vision Statement

AAAP will be the premier organization that advances science-based knowledge, expertise, and education on poultry health, welfare, and food safety to provide member value and stakeholder trust.

Mission Statement

AAAP facilitates member collaboration to advance science-based knowledge, expertise, and education on poultry health, welfare, and food safety.



JULY 30 - AUGUST 6, 2020



2020 AAAP Virtual Annual Meeting Program

63rd Annual Meeting

The American Association of Avian Pathologists welcomes you to 2020 AAAP Virtual Annual Meeting, to be held online July 30 - August 6, 2020.

Presentations will be available on demand and via live sessions accessible through Zoom. The AAAP opening session, our keynote speaker, our symposium and the AAAP and ACPV business meetings will all be live events. In addition all presenters will be available for Q&A live on August 4 and August 5. Small group sessions will be available for committees and other groups as outlined in the schedules on the following pages.

CE credits will be available to those who register and attend the sessions. See Page 6 for full details.

AAAP VIRTUAL ANNUAL MEETING
July 30 - August 6, 2020
OVERVIEW OF MAJOR EVENTS

Friday, July 31

8 AM CDT | AAAP Program Presentations Become Available for Viewing Online
(Open Until Sept. 4, 2020)

Tuesday, August 4

8 AM to 8:30 AM CDT | Opening Session

8:30 AM to 9 AM CDT | Keynote Speaker: Influence of Dietary Factors on
Intestinal Immunity and Response to Enteric Challenges,
Audrey McElroy, Texas A&M University

4:15 PM to 5:30 PM CDT | Awards Presentation

Wednesday, August 5

8 AM to 12 PM CDT | Symposium: Educating the Poultry Professional

4 PM to 5:30 PM CDT | AAAP Business Meeting

Thursday, August 6

5 PM to 6 PM CDT | ACPV Business Meeting

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2019-2020
AAAP Foundation
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www.aaap.info/foundation

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Joel Cline 2021 (Alternate)

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Katherine Weathers 2019
Helen Wojinski 2019 (Alternate)

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Advisory Committee

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Megan Lighty 2021 (Alternate)

AVMA Committee for Disaster and
Emergency Issues

Brian Wooming 2019

AVMA Committee on Antimicrobials

Randall Singer 2021
Hector Cervantes 2021 (Alternate)

AVMA Convention
Education Program Committee

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Natalie Armour 2021 (Alternate)

AVMA Food Safety
Advisory Committee

Douglas Fulnecheck 2020
Daniel Wilson 2019 (Alternate)

AVMA House of Delegates

Gregg J. Cutler 2020
Katherine Weathers 2020 (Alternate)

AVMA Legislative
Advisory Committee

Suzanne Y. Dougherty 2021
Jose Linares 2019 (Alternate)

AAAP Representatives to Allied Organizations

Council for Agriculture Science and
Technology (CAST)

Mohamed El-Gazzar 2022

Professional Animal Auditor
Certification Organization (PAACO)

David A. Pyle 2022

Stakeholder Forum on Antimicrobial
Resistance (S-FAR)

Randall Singer 2020

United States Animal Health
Association (USAHA)

Eric Gingerich 2020

International Poultry Welfare Alliance
(IPWA)

Kenneth Opengart 2022

Animal Agriculture Coalition
(AAC)

Jose Linares 2022

Animal Agriculture Alliance (AAA)

Donald Ritter 2022

National Chicken Council (NCC)

Mark Burleson 2022

United Egg Producers (UEP)

Elizabeth Beilke 2022

US Poultry & Egg (USP)

Bruce Stewart-Brown 2022

National Turkey Federation (NTF)

David Hermes 2022

AAAP Foundation Committee Chairs

Awards

Hector Cervantes 2022

Kenneth Eskelund Preceptorship

Karen Grogan 2022

Poultry Scholarship

Francene Van Sambeek 2022

Development Committee

Kristen Roza-Sutherland 2020
Andrea Zedek 2021

Avian Bioscience Travel Scholarship

Erica Spackman 2023

AAAP Constitutional Committee Chairs

www.aaap.info/committees

Auditing

Karen Burns Grogan

Nominating

John Smith

Resolutions

Frederic J. Hoerr

AAAP Task Force Committee Chairs

Animal Welfare and Management Practices

Robert Evans 2020

Diseases of Public Health Significance

Dustin Burch 2022

Drugs and Antimicrobial

Timothy Cummings 2022

Education

Teresa Morishita 2022

Enteric Diseases

Alex Zocche 2022

Epidemiology

Louise Dufour-Zavala 2022

Food Safety

Brett Hopkins 2020

History of Avian Medicine

Yuko Sato 2022

Legislative Advisory

Suzanne Y. Dougherty 2021

Membership

Sara Reichelt 2020

Program Advisory

Ivan Alvarado 2021

Respiratory Diseases

Alejandro Banda 2022

Research Priorities

Natalie Armour 2021

Tumor Virus

John Dunn 2020

Toxic, Infectious, Miscellaneous and Emerging Diseases

Milos Markis 2022

Small Flocks

Victoria Bowes 2020

Women's Network

Claudia Osorio 2020

Outreach

Bernard Beckman 2023

Committee Review

Bruce Stewart-Brown

2019-2020 AAAP

Board of Directors

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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

Presentations will be available on-demand from July 31 to September 4, and CE credits will be available to those who register and view the presentations. Registrants will receive access notification on July 31.

In order to receive CE for each lesson you will need to view all of the presentations (lessons) in full in that course. CE for live sessions will be given if you attend the live sessions online. *We encourage you to view all the poster presentations, but you will receive 2 credit hours of CE for any poster viewing. All CE is endorsed and provide by the American Veterinary Medical Association (AVMA).

Courses	Lessons	CE
Avian Influenza (Oral Presentations)	10	2.5
Bacteriology/Antimicrobial (Oral Presentations)	11	2.75
Bacteriology/Antimicrobial: Salmonella and E. Coli (Oral Presentations)	10	2.5
Case Reports (Oral Presentations)	9	2.25
Immunology/Vaccinology (Oral Presentations)	10	2.5
Parasitology/Enteric Health (Oral Presentations)	7	1.75
Parasitology/Enteric Health: Coccidia (Oral Presentations)	10	2.5
Virology (Oral Presentations)	9	2.25
Virology: ILT and IBV (Oral Presentations)	12	3
Virology: Marek's Disease and Reovirus (Oral Presentations)	10	2.5
Wealth of Knowledge 1 (Oral Presentations)	8	2
Wealth of Knowledge 2 (Oral Presentations)	7	1.75
Poster Presentations		
Bacteriology/Parasitology (Poster Presentations)	11	
Case Reports/Pathology (Poster Presentations)	8	
Vaccinology/Immunology (Poster Presentations)	12	
Virology: Non-Respiratory Viruses (Poster Presentations)	12	
Virology: Respiratory Viruses (Poster Presentations)	15	
Wealth of Knowledge/Epidemiology/Diagnostics (Poster Presentations)	12	
*Total Poster Presentation CE	70	2
AAAP Symposium 8 AM to 12 PM CDT Symposium: Educating the Poultry Professional		4
AAAP Womens Network Presentations 3:30 PM-5 PM CDT.Which Came First: The Nest Egg or The Retirement Plan Darby Affeldt, DVM, RICP, North Star Resource Group		1
AAAP Keynote Session 8:30 AM to 9 AM CDT Keynote Speaker: Influence of Dietary Factors on Intestinal Immunity and Response to Enteric Challenges, Audrey McElroy, Texas A&M University		0.5
Total Potential CE		36



AAAP VIRTUAL ANNUAL MEETING

LIVE EVENTS

The following events will be presented live at the following times during the AAAP Virtual Meeting.

All members are invited to attend any of the listed events.

NOTE: All times listed are Central Daylight Time.

Zoom links will be sent to all registrants the week of July 27.

AAAP VIRTUAL ANNUAL MEETING

LIVE EVENTS

Wednesday, July 29

7 PM to 7:45 PM CDT | Mentors/Mentees

Thursday, July 30

9 AM to 10 AM CDT | Drugs and Antimicrobials Committee

~~10 AM to 11 AM CDT | Legislative Advisory Committee~~ **CANCELED**

10 AM to 11 AM CDT | Avian Diseases Advisory Board
(Participation/attendance by invitation only)

11 AM to 12 PM CDT | Avian Diseases Editorial Board
(Participation/attendance by invitation only)

11 AM to 12 PM CDT | Outreach Committee

12 PM to 1 PM CDT | Lunch

~~1 PM to 2 PM CDT | Preceptorship Committee~~ **CANCELED**
(Participation/attendance by invitation only)

2 PM to 3 PM CDT | Small Flocks Committee

3 PM to 4 PM CDT | Respiratory Diseases Committee

~~4 PM to 5 PM CDT | Diseases of Public Health Significance~~ **RESCHEDULED FOR AUG. 6**

5 PM to 6 PM CDT | Education Committee

Friday, July 31

8 AM CDT | AAAP Program Presentations Become Available for Viewing Online
(Open Until Sept. 4, 2020)

9 AM to 10 AM CDT | Food Safety Committee

AAAP VIRTUAL ANNUAL MEETING

LIVE EVENTS

9 AM to 10 AM CDT | AAAP Auditing Committee
(Participation/attendance by invitation only)

10 AM to 12 PM CDT | Animal Welfare Committee

12 PM to 1 PM CDT | Lunch

1 PM to 2 PM CDT | AAAP Foundation Development Committee

1 PM to 2 PM CDT | AAAP Foundation Scholarship Committee
(Participation/attendance by invitation only)

2 PM to 3 PM CDT | Awards Committee
(Participation/attendance by invitation only)

3:30 PM to 5 PM CDT | AAAP Women's Network Committee
AAAP Learning Objectives For Which Came First: The Nest Egg Or The Retirement Plan
Darby Affeldt, DVM, RICP, North Star Resource Group

5 PM to 6 PM CDT | Membership Committee

Saturday, August 1

9 AM to 10 AM CDT | Avian Diseases Manual Editorial Board
(Participation/attendance by invitation only)

10 AM to 11 AM CDT | Research Priorities Committee

11 AM to 12 PM CDT | Epidemiology Committee

12 PM to 1 PM CDT | Lunch

1 PM to 2 PM CDT | History of Avian Medicine Committee

2 PM to 3 PM CDT | Tumor Virus Committee

3 PM to 4 PM CDT | Enteric Diseases Committee

4 PM to 6 PM CDT | TIME Committee

AAAP VIRTUAL ANNUAL MEETING

LIVE EVENTS

Tuesday, August 4

8 AM to 8:30 AM CDT | Opening Session

8:30 AM to 9 AM CDT | Keynote Speaker: Influence of Dietary Factors on Intestinal Immunity and Response to Enteric Challenges, Audrey McElroy, Texas A&M University

9 AM to 9:30 AM CDT | Avian Influenza Q&A

Moderators: David Swayne (Primary), Darrell Kapczynski (Alternate)

9:30 AM to 9:45 AM CDT | Break

9:45 AM to 10:10 AM CDT | Virology: ILT and IBV Q&A

Moderators: Rodrigo Gallardo (Primary), Alejandro Banda (Alternate)

10:10 AM to 10:45 AM CDT | Virology: Marek's Disease and Reovirus Q&A

Moderators: Alejandro Banda (Primary), Rodrigo Gallardo (Alternate)

10:45 AM to 11:15 AM CDT | Virology Q&A

Moderators: Darrell Kapczynski (Primary), Alejandro Banda (Alternate)

11:15 AM to 11:40 AM CDT | Wealth of Knowledge 1 Q&A

Moderators: Michelle Kromm (Primary), Enrique Montiel (Alternate)

11:40 AM to 12 PM CDT | Wealth of Knowledge 2 Q&A

Moderators: Enrique Montiel (Primary), Michelle Kromm (Alternate)

12 PM to 1 PM CDT | Lunch

1 PM to 1:30 PM CDT | Bacteriology/Antimicrobial: Salmonella and E. Coli Q&A

Moderators: Elena Behnke (Primary), Monique Franca (Alternate)

1:30 PM to 2 PM CDT | Bacteriology/Antimicrobial Q&A

Moderators: Monique Franca (Primary), Elena Behnke (Alternate)

2 PM to 2:20 PM CDT | Parasitology/Enteric Health Q&A: Coccidia Q&A

Moderators: Jaime Ruiz (Primary), Francene van Sambeek (Alternate)

2:20 PM to 3 PM CDT | Parasitology/Enteric Health

Moderators: Francene van Sambeek (Primary), Jaime Ruiz (Alternate)

3 PM to 3:15 PM CDT | Break

3:15 PM to 3:45 PM CDT | Case Report Q&A

Moderators: Karen Grogan (Primary), Kalen Cookson (Alternate)

AAAP VIRTUAL ANNUAL MEETING

LIVE EVENTS

3:45 PM to 4:15 PM CDT | **Immunology/Vaccinology Q&A**
Moderators: Kalen Cookson (Primary), Karen Grogan (Alternate)

4:15 PM to 5:30 PM CDT | Awards Presentation

Wednesday, August 5

8 AM to 12 PM CDT | Symposium: Educating the Poultry Professional
Moderators: Dr. Monique Franca, Dr. Subhashinie Kariyawasam

8 AM | **General Introduction & Welcome**, Dr. Valerie Marcano, Symposium Chair

8:05 AM | **Current gaps in poultry medicine education and professional development needs of the meat and egg layer industries**, Dr. Mark Bland

8:25 AM | **Career opportunities in the field of poultry medicine. How do you get into the field? Recruitment!**, Dr. David French

8:45 AM | **Teaching effective communication and leadership skills to poultry medicine professionals**, Dr. Karen Grogan

9:05 AM | **The role of poultry veterinarians educating commercial and backyard poultry growers**, Dr. Victoria Bowes, Dr. Louise Dufour-Zavala, Dr. Teresa Morishita

9:45 AM | **The use of technology to improve poultry medicine instruction and continuing education**, Dr. Eric Gingerich

10 AM CDT | Break

10:30 AM | **Microaggressions**, Dr. Paige Carmichael

11 AM | **Considerations of career changes in poultry veterinary medicine**, Dr. Elena Behnke, Dr. Charles Hofacre, Dr. Rafael Monleon, Dr. Guillermo Zavala

12 PM to 1 PM CDT | Lunch

1 PM to 1:15 PM CDT | **Case Reports/Pathology Poster Q&A**
Moderators: Brian Jordan (Primary), Milo Markis (Alternate)

1:15 PM to 1:45 PM CDT | **Virology: Respiratory Viruses Poster Q&A**
Moderators: Brian Jordan (Primary), Milo Markis (Alternate)

1:45 PM to 2:15 PM CDT | **Virology: Non-Respiratory Viruses Poster Q&A**
Moderators: Milo Markis (Primary), Brian Jordan (Alternate)

AAAP VIRTUAL ANNUAL MEETING

LIVE EVENTS

2:15 PM to 2:30 PM CDT | Break

2:30 PM to 3 PM CDT | WoK/Epidemiology/Diag Poster Q&A
Moderators: Mohamed El Gazzar (Primary), Ian Rubinoff (Alternate)

3 PM to 3:30 PM CDT | **Bacteriology/Parasitology Poster Q&A**
Moderators: Mohamed El Gazzar (Primary), Ian Rubinoff (Alternate)

3:30 PM to 4 PM CDT | **Vaccinology/Immunology Poster Q&A**
Moderators: Ian Rubinoff (Primary), Mohamed El Gazzar (Alternate)

4 PM to 5:30 PM CDT | AAAP Business Meeting

Thursday, August 6

8 AM to 10 AM CDT | ACPV Board of Governors Meeting
(Participation/attendance by invitation only)

9 AM to 12 PM CDT | Association of Veterinarians in Turkey Production
(Participation/attendance by invitation only)

~~10 AM to 11 AM CDT | Association of Poultry Primary Breeder Veterinarians
(Participation/attendance by invitation only)~~ **CANCELED**

10 AM to 1 PM CDT | Association of Poultry Consultants and Independent Laboratories
(Participation/attendance by invitation only)

~~10 AM to 5 PM CDT | Association of Veterinarians in Broiler Production
(Participation/attendance by invitation only)~~ **CANCELED**

12 PM to 5 PM CDT | Association of Veterinarians in Egg Production
(Participation/attendance by invitation only)

~~1 PM to 4 PM CDT | Histopathology/Case Report Interest Group~~ **CANCELED**

1 PM CDT | Small Flocks Interest Group

3 PM to 4 PM CDT | Diseases of Public Health Significance

5 PM to 6 PM CDT | ACPV Business Meeting

Friday, August 7

8 AM to 5 PM CDT | AAAP Board of Directors Meeting

AAAP VIRTUAL ANNUAL MEETING

ON-DEMAND SESSIONS

On-demand presentations will be available from July 31 to September 4, and CE credits will be available to those who register and view the presentations.

Registrants will receive access notification on July 31.

Oral Presentations

Avian Influenza
Pathobiology of classical H7N1 and Gs/GD H5N8 highly pathogenic avian influenza viruses in different chicken breeds and role of Mx 2032 G/A polymorphism in infection outcome <i>Kateri Bertran, IRTA, Centre de Recerca en Sanitat Animal (CRESA, IRTA-UAB)</i>
Vaccination Efficacy of Multivalent Recombinant Herpesvirus Turkey Vaccines Against Highly Pathogenic Avian Influenza <i>Miria Criado, USDA</i>
Evaluation of protection of H5 vaccination regimes against early challenge with HPAI-H5N1 on commercial broiler chickens PRESENTATION CANCELED <i>Wael Elfeil, Suez Canal University, Ismailia, Egypt</i>
Development of next-generation live attenuated influenza vaccines with elite interferon-inducing capabilities <i>Amir Ghorbani, The Ohio State University</i>
Evaluation of the cross-antigenicity of two H9N2 vaccine strains assessed by HI-test using sixteen distinct AIV H9N2 antigens <i>Andreas Herrmann, Merial S.A.S.</i>
T Cell Epitope Engineering Strategy to Improve the Immunogenicity of Avian Influenza H7N9 Vaccine <i>Hyesun Jang, University of Georgia</i>
Characterization of a Novel Avian Influenza Live Virus Vaccine Based on Disruption of M2/M42 Gene Expression That Protects Against Clade 0 and 2.3.4.4 Highly Pathogenic Avian Influenza <i>Darrell Kapczynski, USDA-ARS-USNPRC</i>
Roles of the matrix and nucleoprotein genes on the virulence of H5N8 highly pathogenic avian influenza virus clade 2.3.4.4 <i>Christina Leyson, Southeast Poultry Research Laboratory</i>
Evaluation of environmental sample collection devices and target sampling areas for Avian Influenza detection in layer cages <i>Jongseo Mo, United States Department of Agriculture, Southeast Poultry Research Laboratory</i>
Infectivity and transmission in turkeys and chickens of low and highly pathogenic avian influenza viruses from the 2020 outbreak in turkey farms in North Carolina and South Carolina <i>Mary Pantin-Jackwood, Southeast Poultry Research Lab, US National Poultry Research Center, US Dept. of Agriculture-Agriculture</i>

AAAP VIRTUAL ANNUAL MEETING

ON-DEMAND SESSIONS

Oral Presentations

Bacteriology/Antimicrobial	
Trends in antimicrobial use and antimicrobial resistance in broiler chickens; impact of industry-wide antimicrobial use reduction strategy	Agnes Agunos, <i>Public Health Agency of Canada</i>
Effects of the in ovo Administration of the 6/85 Mycoplasma gallisepticum Vaccine on Layer Chicken Embryo Livability and Post-Hatch Performance	Abdulmohsen Alqhtani, <i>Mississippi State University</i>
Use of AMN to prevent Clostridium perfringens induced necrotic enteritis in broilers	David Diez Arias, <i>Biovet, S.A.</i>
Evaluation of the Effectiveness of a Direct-fed Microbial with an AGP and an Ionophore Coccidiostat to Reduce Salmonella heidelberg in Broilers	Charles Hofacre, <i>Southern Poultry Research Group, Inc.</i>
Development of a Mass Administered Vaccine for Prevention of Necrotic Enteritis in Broilers	Charles Hofacre, <i>Southern Poultry Research Group, Inc.</i>
Characterization of bacterial chondronecrosis with osteomyelitis (BCO) in broilers in a commercial setting	Elizabeth Kim, <i>DuPont</i>
Detection of Necrotic Enteritis (NE) B-Like Toxin in Biological Samples of NE-Afflicted Chickens by Capture Enzyme-Linked Immunosorbent Assay	Kyung-Woo Lee, <i>ARS-USDA</i>
Necrotizing Hepatitis Associated with Clostridium perfringens in Broiler Chicks	Valerie Marciano, <i>University of Georgia</i>
Characterization and Antimicrobial Resistance Patterns of Pasteurella multocida Isolates from Chickens in Mississippi	Eric Orozco, <i>Mississippi State University PRDL</i>
Genomic Analysis of Avibacterium paragallinarum from 2019 infectious coryza cases in the United States	Ha-Jung Roh, <i>Ceva Animal Health</i>
Genomic landscape of Ornithobacterium rhinotracheale in commercial turkey production in the United States	Emily Smith, <i>University of Minnesota</i>
Risk Factors Associated with the Incidence of Turkey Clostridial Dermatitis in Big Toms	Laura Tensa, <i>Cargill Turkey & Cooked Meats</i>

AAAP VIRTUAL ANNUAL MEETING

ON-DEMAND SESSIONS

Oral Presentations

Bacteriology/Antimicrobial: Salmonella and E. Coli	
Exploring the Fitness of Retail Poultry Escherichia coli to Cause Foodborne Urinary Tract Infections	Ananta Arukha, <i>University of Florida</i>
Colonization of Internal Organs by Salmonella Enteritidis and Salmonella Kentucky in Experimentally Infected Laying Hens in Indoor Cage-Free Housing	Richard Gast, <i>USDA</i>
Emergence of a Novel Salmonella enterica Serotype Reading Clone is Linked to its Expansion in Commercial Turkey Production	Timothy Johnson, <i>University of Minnesota</i>
Transmissible antibiotic resistance genes present in Escherichia coli and Salmonella from USA poultry	Daniel Karunakaran, <i>Arm and Hammer Animal Nutrition</i>
The Comparative Analysis of the Salmonella enterica subsp. enterica Seroovar Infantis IncFIB Plasmid Genetic Sequence Would Aid to Identify Relevant Subtypes for Salmonella Control in Poultry	Roxana Sanchez Ingunza, <i>Private Consulting - Poultry</i>
Impact of E. coli vaccination on production performance of turkeys and E. coli ecology over time	Katie Stumvoll, <i>Jennie-O Turkey Store</i>
Autogenous Salmonella Vaccine Isolate Selection Process: Identifying Candidate Strains	Francene Van Sambeek, <i>Elanco Animal Health</i>
An Embryo Co-infection Model for Enterococcus faecalis and Avian Pathogenic E. coli Assesses Pathogenicity and Virulence of Polybacterial Infections	Grayson Walker, <i>North Carolina State University College of Veterinary Medicine</i>
Case Reports	
Diagnosing and managing Inclusion Body Hepatitis outbreak in primary broiler breeders	Emma Castillo, <i>Aviagen</i>
A Case Report of Erysipelothrix rhusiopathiae Infection in Turkey Breeder Hens	Ana Paula Da Silva, <i>UC Davis</i>
Case Report: Clinical and Histopathological Findings in First Reported Case of False Layer Syndrome in Georgia	Karen Grogan, <i>University of Georgia, PDRC</i>
Salmonella Bacterin Induced Hepatopathy in Broiler Breeder Pullets	Eric Heskett, <i>Case Farms</i>
An Interesting Case of Pasteurella multocida “Like” Clinical Signs with a Slew of Organisms	Geoffrey Lossie, <i>Purdue University College of Veterinary Medicine/Indiana Animal Disease Diagnostic Lab</i>
Acute Hypocalcemia in a Flock of Commercial Egg Laying Chickens	Chase Miller, <i>Elanco Animal Health</i>
On a Friday afternoon...	Kayla Niel, <i>Hy-Line International</i>
Case Report: A Unique Toxicity in Broiler Breeders	Eric Shepherd, <i>University of Georgia Poultry Diagnostic and Research Center</i>
Investigation of Increased Cases of Erysipelas in Commercial Turkeys	Stephen Williams, <i>Butterball</i>

AAAP VIRTUAL ANNUAL MEETING

ON-DEMAND SESSIONS

Oral Presentations

Immunology/Vaccinology	
Replication of HVT Single (HVT-ILT) and Double (HVT-ND-ILT) Constructs and Efficacy against Challenge in SPF Birds.	Ivan Alvarado, <i>Merck Animal Health</i>
Nanoparticle-based co-delivery of IBV antigen and adjuvant induces protective mucosal immunity in chickens	Hui-Wen Chen, <i>National Taiwan University</i>
Salmonella Strains Displaying ENhanced Innate Immunity Response Activators (ENIIRA) to Stimulate Innate Immunity to Enhance Protective Immunity	Roy Curtiss, <i>University of Florida</i>
Protective Effects of a Modified Live E. Coli Vaccine Against Homologous And Heterologous Challenges In Laying Hens	Manuel Da Costa, <i>Zoetis</i>
The Effective Use of Siderophore Receptor Proteins (SRP) as Antigens in Poultry Vaccines.	Dan Domingo, <i>Epitopix LLC</i>
False layer syndrome IBV, pathogenicity insights and surveillance in layer flocks	Rodrigo Gallardo, <i>University of California, Davis</i>
Alternative Approaches to Development of Vaccines against Food Safety Pathogens	Kemal Karaca, <i>Curtiss Healthcare</i>
Histological Evaluation of the Effects of High Incubation Temperature on Embryonic Development of Thymus in Broiler Chickens	ChangHee Lee, <i>Poultry diagnostic and research center</i>
Development of Poultry Immune Reagents	Hyun Lillehoj, <i>Animal Biosciences and Biotechnology Laboratory, Beltsville Agricultural Research Center</i>
Protection by a Novel Dual Recombinant HVT ND-IBD Vaccine alone or in combination of an IBD 89/03 Live Attenuated Vaccine against a Variant E Strain Challenge of Infectious Bursal Disease	Alexandra Mendoza-Reilly, <i>Merck Animal Health</i>
Parasitology/Enteric Health	
Avian Cryptosporidiosis: The Need for a Paradigm Shift.	Hayet Abbassi, <i>University of Minnesota and Pasteur Institute of Tunisia</i>
Parasitological Surveillance in a Pastured Poultry Farm	Maria Tereza Bethonico Terra, <i>Auburn University</i>
Resistance to fenbendazole in Ascaridia dissimilis and its economic impact on the production of turkeys	James Collins, <i>University of Georgia, Dept. of Infectious Diseases</i>
Broiler Breeders: An Assessment of the Enteric Parasites Population	Steve Fitz-Coy, <i>Merck AH</i>
Dietary supplementation with Bacillus subtilis direct-fed microbials alters chicken intestinal metabolite levels	Inkyung Park, <i>USDA-ARS</i>
In vitro inhibitory effect of a new three-strains selected probiotic on several serovars of Salmonella	John Schleifer, <i>Chr. Hansen, Inc.</i>

AAAP VIRTUAL ANNUAL MEETING

ON-DEMAND SESSIONS

Oral Presentations

Parasitology/Enteric Health: Coccidia
A new method for Eimeria Speciation and Quantification Using Flow Cytometry Daniel Adams, <i>North Carolina State University</i>
Coccidiosis Vaccine Trial in Turkey Poults Zachary Adams, <i>Iowa State University College of Veterinary Medicine</i>
Typing Eimeria maxima isolates from Alabama broiler flocks using a multi-locus sequence typing (MLST) scheme Miranda Carrisosa, <i>Auburn University</i>
Zoamix: A Blast from the Past Timothy Cummings, <i>Zoetis</i>
Experiences Vaccinating with a Novel Coccidiosis Vaccine in Long Lived Chickens in the United States Kelli Jones, <i>Ceva</i>
Lessons learned changing coccidiosis vaccines in grandparent broiler breeders Christina Lindsey, <i>Aviagen</i>
The Potential Impact Of Three Phytogenic Feed Additives On Chicken Eimeria from Coccidiosis Vaccine. Chad Malinak, <i>Merck Animal Health</i>
Effects of Coccidiosis Vaccination With or Without the Use of a Phytogenic Feed Additive in Broilers Marcos Rostagno, <i>Phytobiotics North America</i>
Identifying and Quantifying Eimeria Species in Mixed Samples with Molecular-Based Technologies Ryan Snyder, <i>University of Guelph</i>
Applying Metagenomics to Characterize the Eimeria species Composition in Litter from Commercial Broiler Farms Kate Worthing, <i>ARS-USDA</i>
Virology
MinION- and MiSeq-based Sequencing of Total RNA for Detection of Chicken Respiratory Pathogens in Clinical Swabs Salman Latif Butt, <i>University of Agriculture Faisalabad</i>
Comparison of the monitoring methods for following the take of immune-complex vaccine against Gumboro disease in commercial layers Claudia Carranza, <i>Ceva Animal Health</i>
Viral Hepatitis in Turkey Poults Megan Lighty, <i>Jennie-O Turkey Store</i>
Isolation of Egg Drop Syndrome (EDS) Adenovirus from Brown Layers in Pennsylvania Milos Markis, <i>AviServe LLC</i>
Comparison Of Antibody Response Against Infectious Bursal Disease In Broiler Breeders Injected Subcutaneously In The Back Of The Neck, Inguinal Fold And Intramuscular In The Thigh Or Breast Enrique Montiel, <i>Boehringer Ingelheim</i>
Virulence assessment of chicken astrovirus (CAstV) isolated from outbreaks of White Chicken Syndrome (WCS) in Western Canada Victor Palomino-Tapia, <i>University of Calgary</i>
Effect of antibiotic growth promoter administration on the intestinal microbiota and virus shedding post avian influenza virus infection in chickens Brittany Seibert, <i>University of Georgia</i>
SARS-CoV-2 and MERS-CoV are unable to replicate in common poultry species and embryonating chicken eggs Erica Spackman, <i>SEPRL-USDA-ARS</i>
The Economics of Neoplastic Disease Guillermo Zavala, <i>Avian Health International, LLC</i>

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Oral Presentations

Virology: ILT and IBV	
Validation of Day of Age Infectious Bronchitis Vaccination	Matilde Alfonso, <i>Ceva Animal Health</i>
Molecular characterization of field isolates of infectious bronchitis virus in Mississippi from 2013 to 2019	Alejandro Banda, <i>Mississippi State University</i>
Genotyping of Infectious Laryngotracheitis virus (ILTV) isolates from Western Canada based on partial open reading frame (ORF) a and b	Catalina Barboza Solis, <i>University of Calgary</i>
Infectious Bronchitis Challenge Studies in Broilers—a Comparison of IB Vaccine “Takes” and Protection	Kalen Cookson, <i>Zoetis</i>
Evaluation of host genetic resistance against infectious laryngotracheitis	John Dunn, <i>USDA-ARS-USNPRC</i>
Infectious Laryngotracheitis Sequence Typing Directly from Clinical Samples	Mohamed El-Gazzar, <i>Iowa State University</i>
Efficacy Studies of a Variant Infectious Bronchitis Virus Vaccine	Brianna Ford, <i>CEVA Animal Health</i>
Efficacy of two commercial infectious coryza vaccines after challenge with a serotype C <i>Avibacterium paragallinarum</i> strain isolated from outbreaks in layers and broilers in California	Rodrigo Gallardo, <i>University of California, Davis</i>
Pathogenesis of the Canadian Delmarva (DMV/1639) Infectious Bronchitis Virus (IBV) Infection in Layers	Mohamed S. H. Hassan, <i>University of Calgary</i>
DMV/1639 type IBV transmits from vaccinated chickens to other vaccinated chickens after challenge	Brian Jordan, <i>The University of Georgia</i>
Safety and Protection Efficacy of a Cell Line Adapted Infectious Laryngotracheitis Virus (ILTV) BDORFC Strain Following In ovo and/or Spray Vaccination with and without rHVT-LT Vaccine	Daniel Maekawa Maeda, <i>University of Georgia</i>
Investigating the role of Infectious Bronchitis Virus variant DMV/1639 in incidence of False Layer Syndrome	Adrea Mueller, <i>University of Georgia</i>

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Virology: Marek's Disease and Reovirus	
Pathogenic and Immunogenic Evaluation of Avian Reovirus Variant Strains Isolated from Clinical Cases	Sofia Egana, <i>University of California, Davis</i>
Review of a New Generation Marek'S Vaccine, RN1250 Strain, in Combination with Herpesvirus of Turkey (HVT) Vectored Vaccines Used in Various Types of Birds Worldwide	Stephane Lemiere, <i>Boehringer Ingelheim</i>
Protection Against 9109-Like Variant IBDV Using Dual Recombinant HVT-ND-IBD Vaccine Alone	Andres Montoya, <i>Merck Animal Health</i>
Differential Pathogenesis of Turkey Reoviruses associated with Arthritis, Enteritis and Hepatitis	Sunil Mor, <i>University of Minnesota</i>
Dual ND-IBD HVT Construct Vaccines: Efficacy and Onset of Immunity When Challenged with IBD Variant Strains	Linnea Newman, <i>Merck Animal Health</i>
Turkey Breeders Perspective : How to Achieve Reovirus Maternal Antibodies in Poults through Vaccination of Parents	Cynthia Philippe, <i>Hendrix Genetics Ltd</i>
Evaluation of Attenuated Variant Reoviruses as Modified Live Vaccines	Holly Sellers, <i>Poultry Diagnostic & Research Center, University of Georgia</i>
Evaluation of Antibody Response to Autogenous Reovirus and Infectious Bursal Disease Virus Vaccines	Katharine Shamoun, <i>Poultry Diagnostic & Research Center, University of Georgia</i>
Turkey Reovirus Hepatitis: An Emerging Disease from a Known Etiological Agent.	Andrew Smith, <i>Butterball</i>
Case Report: Runtling and Stunting Syndrome in a Flock of Commercial Brown Layers	Jim Stockam, <i>Merck Animal Health</i>

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Oral Presentations

Wealth of Knowledge 1	
2020 Research Priorities of the American Association of Avian Pathologists	Natalie Armour, <i>Mississippi State University, CVM, DPPM</i>
Post Vaccination Monitoring and Respiratory Disease Monitoring in Broiler Flock by On-Side Fully Automated POCKIT Central PCR system	Keat Fu, <i>Aviagen Inc.</i>
Using geospatial methods to produce a Georgia risk map for avian influenza	Louise Dufour-Zavala, <i>GPLN</i>
Analytical epidemiology of Spotty Liver Disease	Yuanshuo Karen Gao, <i>University of Sydney</i>
Egg Layer Biosecurity in 2020 – An Assessment of Daybreak Foods, Inc. Biosecurity Program	Rosemary Marusak, <i>Daybreak Foods, Inc</i>
Common Misconceptions in Assuming a Product is a Viable Alternative to an Antibiotic	Greg Mathis, <i>Southern Poultry Research, Inc.</i>
New Features of 14th Edition of Diseases of Poultry	David Swayne, <i>USDA/ARS/SEPRL</i>
Wealth of Knowledge 2	
Technical and Analytical Considerations Performing Retrospective and Prospective Studies Using Clostridial Dermatitis in Turkeys as a Model	Dave Fernandez, <i>FSTAATS Agri-Business Solutions</i>
What Happens When You Feed Layer Ration to Chickens From 8 to 14 Weeks of Age.	Richard Fulton, <i>Michigan State University</i>
Development And Validation Of Two Diagnostic Real-Time PCR (TaqMan) Assays For The Detection Of Bordetella Avium From Clinical Samples	Amro Hashish, <i>IOWA State University</i>
Comparison of Selected Blood Biochemistry Values in Meat-Type Chickens and Turkeys at Critical Ages using the i-STAT and VetScan2	Fernando Jimenez, <i>North Carolina State University, College of Veterinary Medicine</i>
Comparison of Turkey Biochemical Test Results Between a Handheld Blood Analyzer and a Conventional Laboratory Blood Analyzer	Hannah Sather, <i>North Carolina State University College of Veterinary Medicine</i>
Is Aspirin a Useful Adjunct in the Management of Vaccine Reactions and Respiratory Disease in Broilers?	John Smith, <i>Alectryon LLC</i>
Evaluation of Factors Correlated with the Development of Hemorrhagic Hepatopathy in Broiler Breeder Pullets	Linnea Tracy, <i>University of Georgia Poultry Diagnostic and Research Center</i>
The Mission and Goals of AAAP's Diversity and Inclusion Taskforce	Valerie Marciano, <i>University of Georgia</i>

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ON-DEMAND SESSIONS

On-demand presentations will be available from July 31 to September 4, and CE credits will be available to those who register and view the presentations.

Registrants will receive access notification on July 31.

Poster Presentations

Bacteriology/Parasitology
Efficacy of a Hops Extract Phytobiotic Administered in the Feed for the Control of Necrotic Enteritis Caused by <i>Clostridium perfringens</i> in Broiler Chickens Maria Dashek, <i>BV Science</i>
Whole Genome Analysis of <i>Mycoplasma gallisepticum</i> Isolates from the United States Mohammadreza Ehsan, <i>University of Georgia</i>
The effect of saponins on the cycling of commercial coccidiosis vaccines Luis Gomez, <i>Phibro Animal Health</i>
Coccidia dynamics in litter and feces of chickens in a floor pen trial Ruediger Hauck, <i>Auburn University</i>
Salmonella Investigation: Finding the Needle in the Haystack Genevieve Huard, <i>Hendrix Genetics Ltd</i>
Control of Northern Fowl Mite (<i>Ornithonyssus sylviarum</i>) on Egg Layer Chickens using a Fluralaner Solution Administered to Birds through Drinking Water Faris Jirjis, <i>Merck Animal Health</i>
Genetic and Gender influences in a Necrotic Enteritis Challenge Model in Broiler Chickens Matthew Jones, <i>Southern Poultry Research Group</i>
Genomic Analysis of Avian Pathogenic <i>Escherichia coli</i> (APEC) Associated with Colibacillosis using Long Read MinION Sequencing. Catherine Logue, <i>University of Georgia</i>
Identification, serotyping and molecular characterization of <i>Avibacterium paragallinarum</i> isolates obtained from outbreaks of infectious coryza in commercial poultry in the northern area of Mexico, Sonora Linda Luna, <i>Universidad Autónoma del estado de México, Facultad de Medicina Veterinaria y Zootecnia</i>
Inhibition Of Fecal Shedding Of <i>Salmonella Typhimurium</i> In Cobb 500 Broilers Fed Availa®Zn Marco Rebollo Franco, <i>Zinpro Performance Minerals</i>
Spotty Liver Disease in the U.S. layers and genetic analysis of <i>Campylobacter hepaticus</i> Ha-Jung Roh, <i>Ceva Animal Health</i>

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Poster Presentations

Case Reports/Pathology	
Update on Variant Reovirus Infections and Lameness in Ontario Broilers	Marina Brash, <i>Animal Health Laboratory</i>
A Case Study of Thiamine Deficiency in Brown Pullets in East Java, Indonesia	Seiche Genger, <i>Hy-Line International</i>
An Unusual Case of IBD in a Commercial Pullet Flock	Jessica Higgins, <i>Kalmbach Feeds</i>
Histopathologic Investigation of Poultry Processing Quality Problems	Frederic Hoerr, <i>Veterinary Diagnostic Pathology, LLC</i>
Case Study – Can We Accurately Predict Bird Weights at the Plant?	Albert Payne, <i>1010 Consulting Group</i>
Adventures In Seroconversion: Initial Failure To Respond to Chicken Infectious Anemia Virus Vaccination	Ian Rubinoff, <i>Hy-Line International</i>
Please Keep Your Copper In Pennies, Not My Birds; A Field Case Report Of Copper Toxicity In 10 Day Old Poults	Jolene Tourville, <i>Jennie-O Turkey Store</i>
Histopathologic and Bacteriologic Characterization of Femoral Head Separation, Femoral Head Necrosis and Bacterial Chondronecrosis with Osteomyelitis in Broilers	Floyd Wilson, <i>MVRDL</i>

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Poster Presentations

Vaccinology/Immunology	
Immune responses to avian influenza virus infection in two genetically distinct, highly inbred chicken lines Emily Aston, <i>University of California-Davis</i>	
Safety of Fowl Poxvirus-based Vector Vaccines in Commercial Layers Jorge Chacón, <i>Ceva Animal Health</i>	
Effect of a complex antibody antigen vaccine on the decay of Infectious bursal disease maternal antibodies in broilers Alfredo Condemarin, <i>Hipra Peru SAC</i>	
Comparison of Serological Response, Persistence and Serological Profile in Progeny against Chicken Infectious Anemia Virus in Three Flocks of Broiler Breeders Bruno Garcia, <i>San Marcos University</i>	
Evaluation of a Novel Autogenous Bacterin Strain for Controlling Escherichia coli Infections in Poultry Karen Grogan, <i>University of Georgia</i>	
Early Onset of Immunity and Duration of Immunity of A Recombinant HVT-IBD Vaccine against Virulent, Variant, and Very Virulent IBD in SPF Birds Angela Hartman, <i>Zoetis</i>	
Comparative Evaluation of Live Attenuated Salmonella Vaccines to Prevent Salmonella Infections in Chickens. Vinicius Lima, <i>University of Florida</i>	PRESENTATION CANCELED
Development and characterization of novel mouse monoclonal antibodies against chicken chemokine CC motif ligand 4 Mingmin Lu, <i>USDA-ARS</i>	
Duration of immunity of ts-11 Mycoplasma gallisepticum vaccine Chris Morrow, <i>Bioproperties</i>	
Compatibility of Procerta HVT-ND Vaccine with Magniplex to Provide Protection Against Velogenic NDV and Virulent Classical IBDV Challenge in SPF Birds Sing Rong, <i>Zoetis</i>	
Development of a New Trivalent HVT-vectored Vaccine Against Marek's Disease, Infectious Bursal Disease and Infectious Laryngotracheitis Mariana Sa e Silva, <i>Boehringer Ingelheim</i>	
Reverse genetic infectious bursal disease virus in turkeys Ching Ching Wu, <i>School of Veterinary Medicine, National Taiwan University, Taipei, Taiwan</i>	

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Poster Presentations

Virology: Non-Respiratory Viruses	
Vaccine Take Monitoring in Broilers Flocks Immunized against Gumboro Disease with Immune Complex and Vector Vaccines and its Relationship with Productivity	Jorge Chacón, <i>Ceva Animal Health</i>
Update on IBD Viruses (IBDV) Infecting Broilers Today and How Inactivated Vaccines Protect Against Different Viruses in the AL2 and T1 Families	Kalen Cookson, <i>Zoetis</i>
A Serologic Survey for Astrovirus Antibody in Georgia Broilers	James Davis, <i>Georgia Poultry Laboratory Network</i>
Post Marek's Disease Vaccination Monitoring with Feather Pulp and Spleen in (Layer/Breeder) by On-Side Fully Automated POCKIT Central PCR system	Keat Fu, <i>Aviagen Inc.</i>
Pathogenicity of infectious bursal disease viruses isolated from commercial poultry with immune suppression related disease.	Daral Jackwood, <i>The Ohio State University</i>
Investigation of the virulence of Marek's disease virus with virulence-associated gene modification	Taejoong Kim, <i>USDA-ARS-USNPRC</i>
Genomics and pathogenicity of an Indiana turkey coronavirus isolate	Tsang Long Lin, <i>Purdue University, CVM</i>
Next Generation Sequencing (NGS) of chicken astrovirus (CAstV) isolated from outbreaks of White Chicken Syndrome (WCS) in Western Canada	Victor Palomino-Tapia, <i>University of Calgary</i>
Molecular and pathological characterization of avian reovirus from clinical cases of tenosynovitis in poultry flocks from Costa Rica	María Piche-Ovares, <i>Universidad Nacional</i>
Serological Comparison Between Different Vaccination Programs against IBD in the Field	Elisa Russo, <i>MSD Animal Health Srl</i>
Avian Pathogens in Kenyan Backyard Poultry Farms and Live Bird Markets	David Suarez, <i>Southeast Poultry Research Laboratory, Agricultural Research Service, U.S. Department of Agriculture</i>
Spatio-Temporal Prevalence of IBDV in Commercial Chicken Flocks in Mexico	Fernando Lozano, <i>CEVA ANIMAL HEALTH</i>

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Poster Presentations

Virology: Respiratory Viruses	
Unfavorable Consequences of Lung Macrophage Recruitment Following Infectious Bronchitis Virus (IBV) Infection	Mohamed Faizal Abdul-Careem, <i>University of Calgary</i>
The Use of FTA Cards for Molecular Detection of AIV in Backyard Flocks at Sales Events	Len Chappell, <i>Georgia Poultry Laboratory Network</i>
Comparison of the protection and viral elimination of a vaccination program against Newcastle disease virus using homologous vaccines of genotype XII and a conventional vaccination program in broilers.	Nelly Cribillero, <i>National University of San Marcos - UNMSM</i>
Molecular Characterization of Newcastle Disease Viruses Isolated from Chickens in Tanzania	Ana Paula Da Silva, <i>California Animal Health and Food Safety Laboratory - Turlock branch</i>
Evaluation of the impact of the temperature of water used for the reconstitution of Infectious Bronchitis (IB) live attenuated vaccines	Andrea Delvecchio, <i>Boehringer Ingelheim AH</i>
Evaluation of protection of ND vaccination regimes against early challenge with Velogenic Newcastle virus-VII.1	Wael Elfeil, <i>Suez Canal University, Ismailia, Egypt</i>
Detection and Molecular Characterization of Strains of Avian Influenza Virus Isolated From Migratory Birds of The Coast of Peru, 2018-2019	Rosa Gonzalez, <i>San Marcos University, Lima-peru</i>
Live Attenuated Vaccine-like Viruses are Involved in the Evolution of the Canadian Delmarva (DMV/1639) Infectious Bronchitis Virus	Mohamed S. H. Hassan, <i>University of Calgary</i>
Avian influenza virus surveillance in columbiform birds of Huarmey, Ancash-Peru	Eliana Icochea, <i>University of San Marcos</i>
Infectious Bronchitis Surveillance via RT-PCR	Jose Linares, <i>Ceva Animal Health</i>
Characterization of variant infectious bronchitis virus from a small scale poultry holding in Egypt	Ibrahim Moharam, <i>Friedrich-Loeffler-Institut, Germany</i>
Highly pathogenic avian influenza H5N8 virus infection: pathological presentation of game bird cases during the 2016/2017 epizootic in Britain.	Christopher Poulos, <i>Animal and Plant Health Agency</i>
The Effect of Eurasian Lineage H9N2 Low Pathogenicity Avian Influenza Virus on Chicken Egg Production and Contamination of Eggs with Virus	Erica Spackman, <i>SEPRL-USDA-ARS</i>
Reconstitution and Mutagenesis of Avian Infectious Laryngotracheitis Virus from Cosmid and Yeast Centromeric Plasmid Clones	Stephen Spatz, <i>US National Poultry Research Center, Agricultural Research Service, United States Department of Ag</i>
Protection against different genotypes of Newcastle disease viruses (NDV) afforded by an adenovirus-vectored fusion protein and live NDV vaccines	David Suarez, <i>Southeast Poultry Research Laboratory, Agricultural Research Service, U.S. Department of Agriculture</i>
Genetic Evolution and Genotype Replacement of Clade 2.3.2.1a H5N1 Highly Pathogenic Avian Influenza Viruses in Bangladesh	Junghoon Kwon, <i>U.S. National Poultry Research Center</i>
Phylogenetic analyses of the H7N3 low and high pathogenicity avian influenza viruses causing an outbreak in turkeys in North Carolina and South Carolina in 2020	Sungsu Youk, <i>U.S. National Poultry Research Center, ARS-USDA</i>

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Poster Presentations

Wealth of Knowledge/Epidemiology/Diagnostics	
Assessing perceived risks and benefits for participation in poultry disease monitoring projects	Andreia Arruda, <i>The Ohio State University</i>
West Nile Virus Infection in Commercial Duck Breeder Flocks	Richard Fulton, <i>Michigan State University</i>
Comparative Analysis of Two New Multilocus Sequence Typing (MLST) Schemes for Characterization of <i>Mycoplasma gallisepticum</i> strains	Mostafa Ghanem, <i>University of Maryland-College Park</i>
MinION Sequencing for Selective and Rapid Detection of Avian Influenza A Virus	Iryna Goraichuk, <i>USDA/ARS/SEPRL</i>
Design and evaluation of a device to teach euthanasia of chickens by cervical dislocation	Brian Ladman, <i>University of Delaware</i>
The Mission and Goals of AAAP's Diversity and Inclusion Taskforce	Valerie Marcano, <i>University of Georgia</i>
Expression and Characterization of Avian Reovirus SigmaC-MBP Fusion Proteins as ELISA Antigens	Linda Michel, <i>The Ohio State University</i>
Trends in Mycotoxin Contamination in the United States Corn Crop	Chasity Pender, <i>Biomin America Inc.</i>
Characterization of Reoviral Hepatitis and Splenitis in Commercial Turkey Poults	Robert Porter, <i>Univ of Minnesota</i>
Comparison of the Current Serological Monitoring Against Spacial Fixed Serological Monitoring in Poultry Production Units.	Josue Sanchez, <i>IDEXX Laboratories</i>
Fecal Parasite and Select Pathogen ELISA Testing on Wild Turkeys from Middle Tennessee	Sierra Slautterback, <i>University of Tennessee CVM</i>
GIS Tools for Poultry Health Reporting: Development of an Interactive Web Map for BREWS	Nicki Smith, <i>Georgia Poultry Laboratory Network</i>

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