

July 29-31, 2025



AAAP Symposium
Preharvest Poultry Food Safety
July 30, 2025, 8:00 AM - 12:00 PM



Credit: Diego Diaz

Symposium & Scientific Program

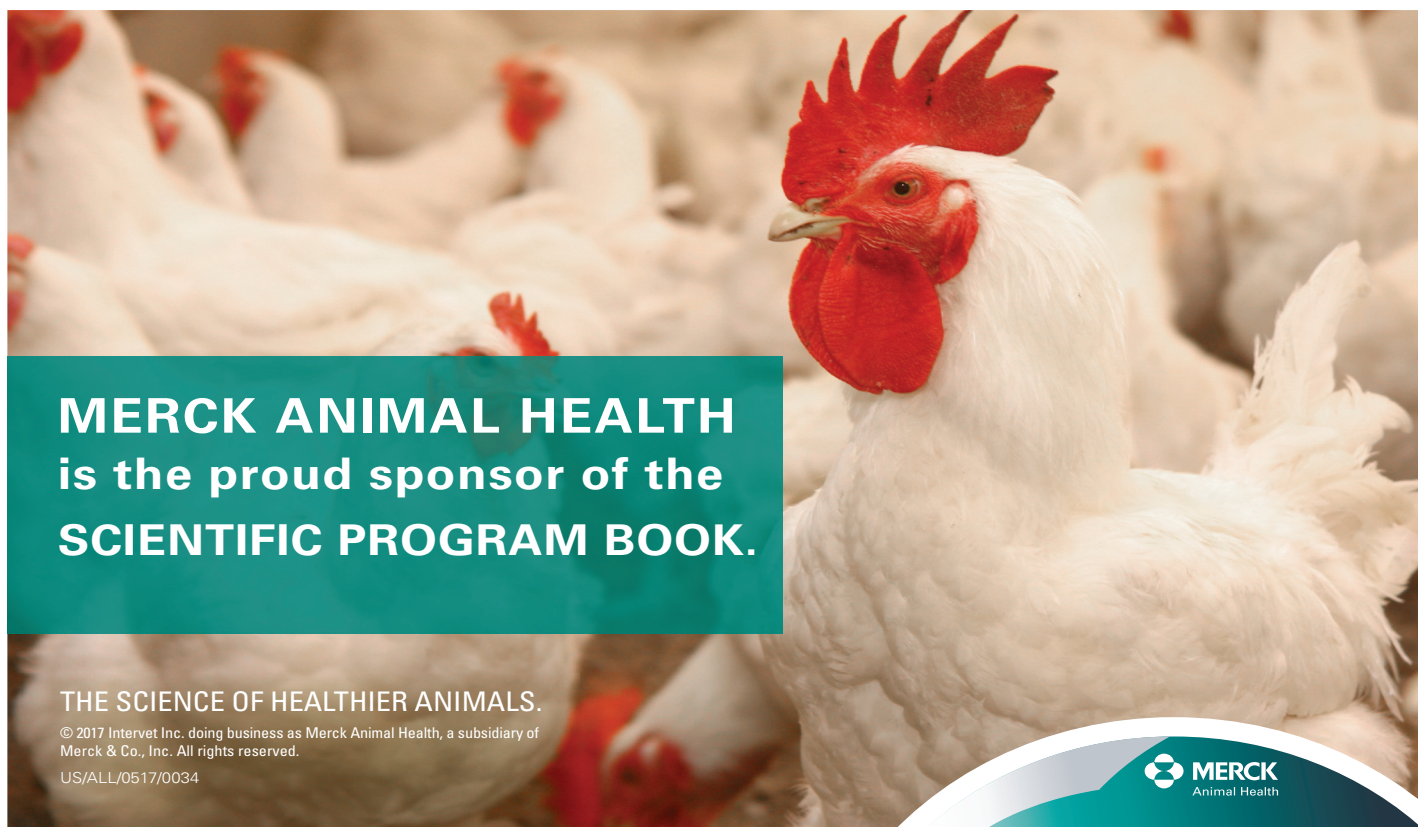


American Association of Avian Pathologists (AAAP)

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.


**Sixty-Eighth Annual Meeting
American Association of Avian Pathologists
Hilton Portland Downtown
July 29-31, 2025, Portland, OR**

Thank You Merck Animal Health For Sponsoring The 2025 Scientific Program Book



MERCK ANIMAL HEALTH
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SCIENTIFIC PROGRAM BOOK.

THE SCIENCE OF HEALTHIER ANIMALS.
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Welcome to the AAAP 2025 Annual Meeting Scientific Program



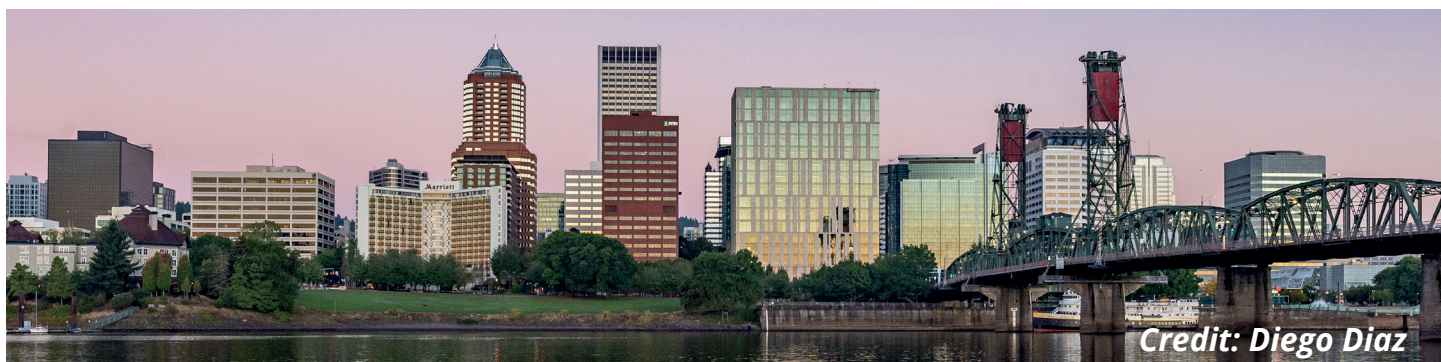
Dr. Takumu Niino, Chair
AAAP Program Advisory Committee

Welcome to Portland for this year's AAAP Annual Meeting! Building on last year's success, we're excited to bring you a dynamic event that's a day shorter but packed with a mix of in-person and virtual presentations. Our scientific program is brimming with timely and practical sessions, covering a wide array of topics.

We're thrilled to announce our Keynote Speaker, Mr. Mike Donohue, former Vice-President of Agri-Stats, Inc. He'll kick off the meeting with his insightful presentation, "How Continuous Incremental Advances in Broiler Performance Have Affected Costs of Production and Broiler Availability Over the Last Forty-Five Years." Mike, a seasoned expert in poultry economics, will also delve into the recent impacts of Highly Pathogenic Avian Influenza (HPAI) and Avian Metapneumovirus (aMPV) on the poultry industry.

Beyond the keynote and scientific program, attendees can look forward to a variety of presentations and symposiums. The AAAP Food Safety Committee has curated the Preharvest Poultry Food Safety Symposium, offering updates and insights on Wednesday. This symposium features a lineup of experts in poultry food safety. Additionally, the H5 Task Force Committee has organized a special mini symposium on Highly Pathogenic Avian Influenza, providing crucial updates on the ongoing HPAI crisis. Members are also highly encouraged to attend the History Lecture and AWN lunch, which will feature highly regarded and noteworthy presenters.

On behalf of the scientific program committee, I extend my heartfelt thanks to all speakers and attendees for their participation. This year, our program committee, including myself and two newly appointed core members (Yuko Sato, Milos Markis) along with associated members (Travis Schaal, Joel Kline, Kayla Niel), had the honor of reviewing over 300 abstracts. The surge in abstract submissions has enabled us to craft a robust and diverse scientific program. Balancing clinically relevant and practical field cases with cutting-edge research is no small feat, but our committee is dedicated to delivering a meeting that exceeds your expectations. We hope this year's program will be both educational and fulfilling for all attendees. We welcome you to Portland!



Credit: Diego Diaz

AAAP Leadership

AAAP Constitutional Committee Chairs

www.aaap.info/committees

Financial Auditing

Dr. Karen Grogan

Nominating

Dr. Deirdre Johnson

Resolutions

Dr. Frederic J. Hoerr

AAAP Committee Directors

Membership Director

Dr. Andrea Zedek

Educational Resources Director

Dr. Robert Porter

Food Safety, Animal Welfare, and Regulatory Director

Dr. Bruce Stewart-Brown

Poultry Diseases Director

Dr. Chuck Hofacre

AAAP Committee Chairs

Animal Welfare and Management Practices

Dr. Sara Reichelt 2025

Bylaws Review

Dr. Michelle Kromm 2027

Committee Review

Dr. Louise Dufour-Zavala

Diversity & Inclusion

Dr. Eliza Ripplinger 2025

Educational Resources

Dr. Kristen Roza-Sutherland 2026

Emerging Diseases

Dr. Linnea Tracy 2025

Enteric Diseases

Dr. Maria Terra-Long 2025

Epidemiology

Dr. Mostafa Ghanem 2026

Dr. Kathleen Sary 2026

Food Safety

Dr. Elizabeth Krushinskie 2025

History of Avian Medicine

Dr. Ton Schat 2025

Legislative Advisory

Dr. Suzanne McComb 2026

Membership

Dr. Ashley Hallowell 2025

Outreach

Dr. Yuko Sato 2025

Program Advisory

Dr. Tak Niino 2027

Research Priorities

Dr. Stephen Williams 2025

Respiratory Diseases

Dr. Brian Jordan 2025

Therapeutics, Biologics, and Bioprotection

Dr. Randy Singer 2026

Tumor Virus

Dr. Eric Shepherd 2026

Dr. Silvia Carnacinni 2026

Women's Network

Dr. Susan Williams 2025

2024-2025 AAAP Board of Directors

www.aaap.info/board-of-directors

Dr. Claudia Osorio

AAAP President 2025

Dr. Jose Linares

AAAP President-Elect 2025

Dr. Suzanne McComb

AAAP EVP 2026

Dr. Deirdre Johnson

AAAP Past President 2025

Dr. TJ Gaydos

Director 2026

Dr. Ivan Alvarado

Director 2026

Dr. Rick Phillips

Director 2028

Dr. Kabel Robbins

Director 2028

Dr. Simone Stoute

Director 2025

Dr. Naola Ferguson-Noel

Director 2025

Dr. Nikolas Faust

Student Director 2025

Wayne Collins

Associate Director 2028

AAAP Publication Chairs

Avian Histopathology Manual

Dr. Tahseen Abdul-Aziz

Gross Pathology of Avian Diseases

Dr. Tahseen Abdul-Aziz

Biosecurity Manual

Dr. Robert L. Owen

Diseases of Poultry Editorial

Dr. David Suarez

Isolation of Avian Pathogens Manual

Dr. Susan Williams

Avian Diseases Manual

Dr. Martine Boulianne

Avian Influenza

Dr. David E Swayne

AAAP Foundation Leadership

2024-2025 AAAP Foundation Board of Directors

www.aaap.info/foundation

Dr. Sara Throne
Foundation President 2026

Dr. Andrea Zedek
Foundation
President-Elect 2026

Dr. Claudia Osorio
AAAP President 2025

Dr. Jose Linares
AAAP President-Elect 2025

Dr. Deirdre Johnson
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Dr. Suzanne McComb
AAAP EVP 2026

Dr. TJ Gaydos
Director 2026

Dr. Ivan Alvarado
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Dr. Rick Phillips
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Director 2028

Dr. Simone Stoute
Director 2025

Dr. Naola Ferguson-Noel
Director 2025

Dr. Nikolas Faust
Student Director 2025

Wayne Collins
Associate Director 2028

AAAP Foundation Committee Chairs

Awards

Dr. John Dunn 2025

Kenneth Eskelund Externship

Dr. Luke Baldwin 2026

Scholarship

Dr. Kabel Robbins 2025

Financial Engagement

Dr. Travis Schaal 2025

Dr. Roy Jacob 2025

Avian Bioscience Travel Scholarship

Dr. Brian Ladman 2027

AAAP Representatives to Allied Organizations

Animal Agriculture Alliance (AAA)

Dr. Donald Ritter 2026

Animal Agriculture Coalition (AAC)

Dr. Jose Linares 2025

Center for Disease Control (CDC)

Dr. Bruce Stewart-Brown 2026

Council for Agriculture Science and Technology (CAST)

Dr. Mostafa Ghanem 2025

International Poultry Welfare Alliance (IPWA)

Dr. James Barton 2026

National Chicken Council (NCC)

Dr. Elizabeth Krushinskie 2025

National Turkey Federation (NTF)

Dr. Evan VanBeusekom 2025

Professional Animal Auditor Certification Organization (PAACO)

Dr. David Hermes 2025

Dr. Kate Barger Weathers 2026

Stakeholder Forum on Antimicrobial Resistance (S-FAR)

Dr. Randy Singer 2025

United Egg Producers (UEP)

Dr. Dan Wilson 2026

United States Animal Health Association (USAHA)

Dr. Yuko Sato 2025

US Food and Drug Administration (FDA)

Dr. Randy Singer 2025

US Poultry & Egg (USP)

Dr. Denise Heard 2026

World Poultry Veterinary Association (WVPA)

Dr. David Swayne 2025

AAAP Allied Association Groups

Association of Veterinarians in Broiler Production (AVBP)

Dr. Eric Heskett, President

Association of Veterinarians in Turkey Production (AVTP)

Dr. Carrie Cremers, President

Association of Poultry Primary Breeder Veterinarians (APPBD)

Dr. Isa Ehr, President

Association of Veterinarians in Egg Production (AVEP)

Dr. Eric Gingerich, President

Association of Poultry Consultants and Independent Laboratories (APCIL)

Dr. Ricardo Muniz, Chair

AAAP AVMA Representative

AVMA House of Delegates

www.aaap.info/join-the-avma



Primary

Dr. Kate Barger Weathers 2025

Alternate

Dr. Karen Grogan 2028

AVMA Committees and Panels

Animal Agriculture Liaison Committee

Current

Dr. Jake Carlson 2027

Dr. Andre Ziegler 2027 (Alternate)

Animal Welfare Committee

Current

Dr. Nancy Reimers 2028

Dr. Sara Reichelt 2028 (Alternate)

Clinical Practitioners Advisory Committee

Current

Dr. Megan Lighty 2026

Dr. Michaela Olson 2027 (Alternate)

Committee on Antimicrobials

Current

Dr. Michelle Kromm 2027

Dr. Randy Singer 2027 (Alternate)

Committee on Disaster and Emergency Issues

Current

Dr. Michael Martin 2025

(Representing Poultry Medicine)

Committee on Environmental Issues

Current

Dr. Carrie Cremers 2026

(Representing Avian Medicine)

Convention Education Program Committee

Current

Dr. Takumu Niino 2029

(Representing Poultry Medicine)

Food Safety Advisory Committee

Current

Dr. Bruce Stewart-Brown 2028

Dr. Ashley Hallowell 2028 (Alternate)

Legislative Advisory Committee

Current

Dr. Suzanne McComb 2027

Dr. Carl J. Heeder III 2027 (Alternate)

Panel on Depopulation

Current - Non-Voting Member

Dr. Michelle Kromm 2026

(Representing Poultry Working Group)

Panel on Humane Slaughter

Current - Chair

Dr. Kenneth Opengart 2026

(Representing Poultry Working Group)

Committee members are nominated by the AAAP Board of Directors and approved by the AVMA. These entities usually meet twice a year, in the spring and fall. AAAP is grateful to have its members working as volunteers in many AVMA committees and panels.

An international journal dedicated to avian health

Avian Diseases

Published Quarterly by the American Association of Avian Pathologists

Avian Diseases Editor in Chief

Dr. Randy Singer 2029

Avian Diseases Associate Editors

Dr. Rodrigo Gallardo
Dr. Ruediger Hauck
Dr. Catherine Logue

Dr. Silke Rautenschlein
Dr. David E. Swayne

Avian Diseases Advisory Board Chair

Dr. Randy Singer

Avian Diseases Editorial Board Chair

Dr. Randy Singer

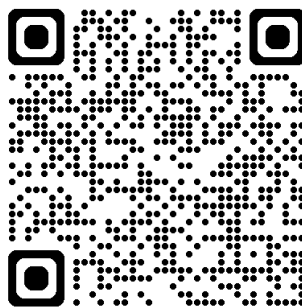
Submit Your Manuscript

We are currently looking for new manuscripts to feature in upcoming issues of the Avian Diseases Journal.

Avian Diseases is an international journal dedicated to publishing original basic or clinical research of the highest quality from various disciplines including microbiology, immunology, pathology, and epidemiology. Papers on avian diseases relevant to etiology, pathogenesis, diagnosis, treatment, and control are accepted. Manuscripts dealing with avian species other than poultry will be considered only if the subject is relevant to poultry health.

Avian Diseases will consider only original manuscripts not published or submitted for publication elsewhere. Avian Diseases is a hybrid journal offering authors the choice to publish Open Access (article processing charges apply).

If you are interested in submitting a manuscript, please scan the QR code for information on author guidelines.



Avian Diseases is an international journal dedicated to publishing original basic or clinical research of the highest quality from various disciplines including microbiology, immunology, pathology, and epidemiology. The mission is to enhance scientific knowledge and promote avian health.

AAAP Schedule at a Glance

All Events To Be Held in The Hilton Portland Downtown Hotel

Monday, July 28

2:30 - 5:00 PM

AAAP Student Symposium

Tuesday, July 29

8:00 - 8:15 AM

Opening Session

8:15 - 9:00 AM

Keynote Address featuring Mike Donohue

9:00 - 10:15 AM

H5 Influenza Mini-Symposium

10:30 - 12:00 PM

CE Sessions

11:00 - 11:15 AM

Reed Rumsey Clinical Research
Presentation featuring Maria Chaves

12:00 - 1:00 PM

Women's Network Committee Lunch

1:30 - 5:30 PM

CE Sessions

4:30 - 4:45 PM

Rimler Memorial Paper and Avian
Biosciences Travel Scholarship
Presentation featuring Carissa Gaghan

5:45 - 7:00 PM

Poster Session and Reception

Drink Stations & Food in Foyer

Posters in Galleries

Wednesday, July 30

8:00 AM - 12:00 PM

AAAP Symposium

12:00 - 12:30 PM

Lasher-Eckroade History Lecture featuring
Louise Dufour-Zavala

12:30 - 2:00 PM

Lunch Break

2:00 - 4:00 PM

Committee Meetings

4:00 - 5:30 PM

Poultry Health Professional Pathways

Thursday, July 31

8:00 - 11:00 AM

CE Sessions

11:00 AM - 12:15 PM

AAAP Business Meeting

12:30 - 1:45 PM

Awards Luncheon

Sponsored by Zoetis

2:00 - 5:30 PM

CE Sessions

2:15 - 2:30 PM

Reed Rumsey Basic Research Presentation
featuring Matthew Browning

AAAP has provided a Nursing Room and Quiet Corner, available for all Annual Meeting attendees. The Nursing Room is located on the 3rd Floor Conference Level, and the AAAP Quiet Corner is on the 23rd Floor Skyline Level. Both rooms will be available for the entirety of the meeting.

AAAP 2025 Annual Meeting Speakers



Advances in Broiler Production Efficiencies 1980 through 2025

Mike Donohue, *Agri-Stats, Retired*

July 29, 2025, 8:15 AM - 9:00 AM

Mike Donohue is the former Vice-President of Agri-Stats, Inc. and worked with U.S., Canadian and international broiler companies to use confidential, comparative benchmarking data to improve operational efficiencies and reduce costs.

He has a M.Sc. in Food and Resource Economics, as well as B.A. in Political Science.



Why Coaching Works: Cultivating Hope, Efficacy, Resilience, and Optimism

Dr. Holly Ward, *Shore Coaching*

July 29, 2025, 12:00 PM - 1:00 PM

Dr. Holly Ward is the CEO of Shore Coaching, whose vision is to inspire and equip others to become their best self. She began her career as an educator, an experience which instilled in her the value of thinking and learning.

Holly received her PhD from the University of Georgia and her Instructional Coaching Certification from the University of Kansas.



A Georgia Poultry Industry Historical Timeline

Dr. Louise Dufour-Zavala, *Georgia Poultry Laboratory Network*

July 30, 2025, 12:00 PM - 12:30 PM

Dr. Louise Dufour-Zavala is the Executive Director of the Georgia Poultry Laboratory Network and is currently serving on the Advisory Board of the University of Georgia's College of Veterinary Medicine and Georgia Tech's ATRP Program.

She has a DVM from the University of Montreal, as well as a Masters of Avian Medicine from the University of Georgia.

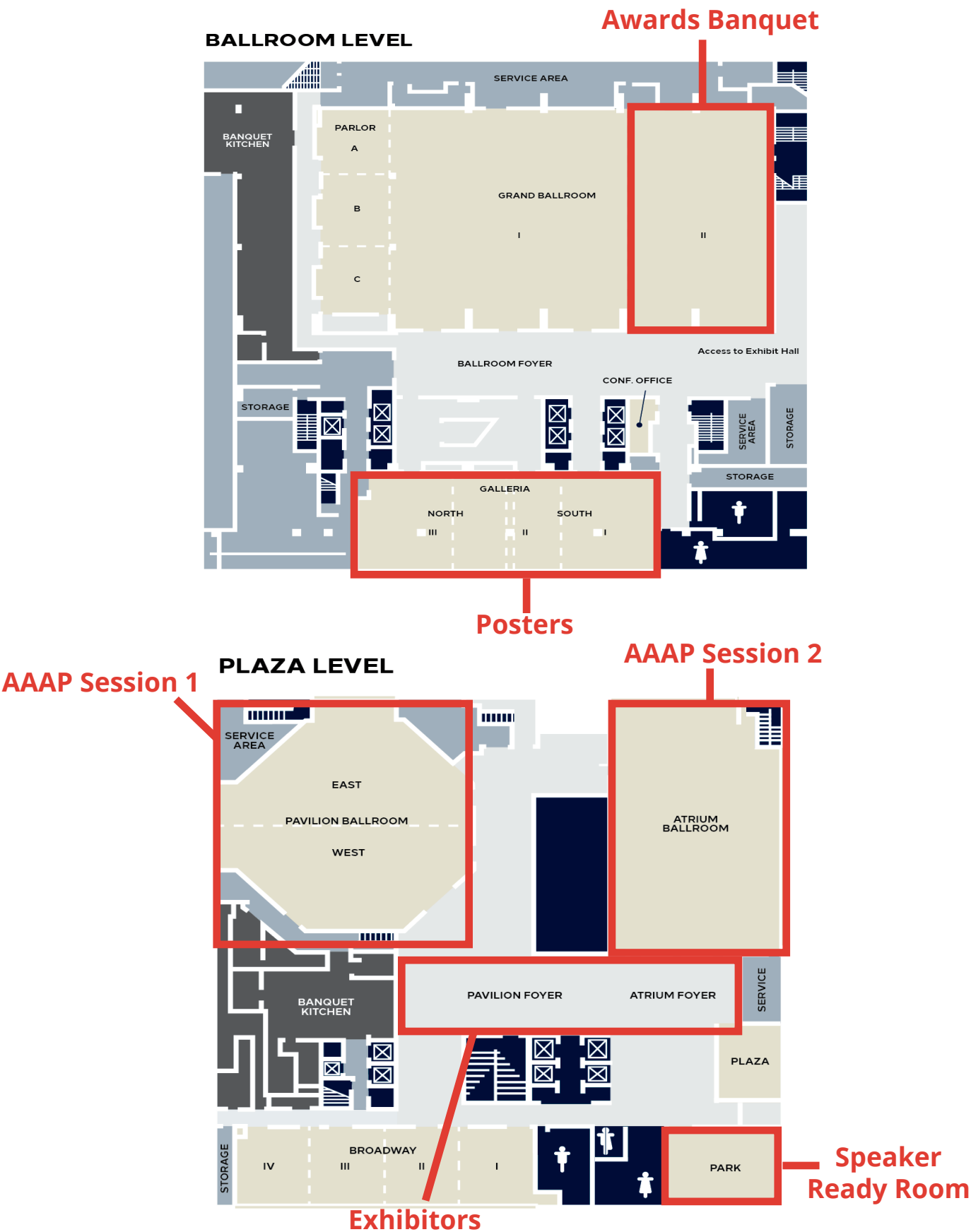
AAAP 2025 Annual Meeting and Committee Schedule

Time	Monday 7/28/2025	Tuesday 7/29/2025	Wednesday 7/30/2025	Thursday 7/31/2025
7:00 AM	AAAP Foundation BOD Meeting 7:00 AM - 10:30 AM	Mentor/Mentee Breakfast 7:00 AM - 8:00 AM	NC State Breakfast 7:00 AM - 8:00 AM ACPV BOG Meeting 7:00 AM - 10:00 AM	ACPV Annual Meeting and Breakfast 7:00 AM - 8:30 AM
7:15 AM				
7:30 AM				
7:45 AM				
8:00 AM	AAAP BOD Meeting 8:00 AM - 5:00 PM	Opening Session 8:00 AM - 8:15 AM	Food Safety Symposium 8:00 AM - 12:00 PM	Scientific Program 8:00 AM - 11:00 AM
8:15 AM		Keynote Speaker (Mike Donohue) 8:15 AM - 9:00 AM		
8:30 AM				
8:45 AM				
9:00 AM	AVBP 8:00 AM - 3:30 PM	Mini Symposium on Avian Influenza 9:00 AM - 10:15 AM	History Lecture (Louise Dufour-Zavala) 12:00 PM - 12:30 PM	Business Meeting 11:00 AM - 12:15 PM
9:15 AM	AVTP 8:00 AM - 5:00 PM			
9:30 AM	APPBV 11:30 AM - 1:00 PM			
9:45 AM	AVEP 12:00 PM - 5:00 PM			
10:00 AM	Small Flocks 1:00 PM - 5:00 PM	Scientific Program 10:30 AM - 12:00 PM	BOD and Committee Chairs Lunch 12:30 PM - 2:00 PM	BREAK
10:15 AM				
10:30 AM				
10:45 AM				
11:00 AM	Meeting of the NC 1180 7:00 AM - 1:00 PM	AAAP Women's Network Committee Lunch (Holly Ward) 12:00 PM - 1:30 PM Past Presidents Lunch 12:00 PM - 1:30 PM	Committee Meetings 2:00 PM - 4:00 PM	Awards Luncheon 12:30 PM - 1:45 PM
11:15 AM				
11:30 AM				
11:45 AM				
12:00 PM	Student Symposium & Networking 2:30 PM - 5:00 PM	Scientific Program 1:30 PM - 5:30 PM	Poultry Health Pathways (Career Fair) 4:00 PM - 5:30 PM	Scientific Programming 2:00 PM - 5:30 PM
12:15 PM				
12:30 PM				
12:45 PM				
1:00 PM	END OF DAY	Welcome Reception & Poster Session 5:45 PM - 7:00 PM	MAM Social 5:30 PM - 6:30 PM	END OF DAY
1:15 PM				
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7:00 PM				

2025 AAAP Annual Meeting and Committee Schedule

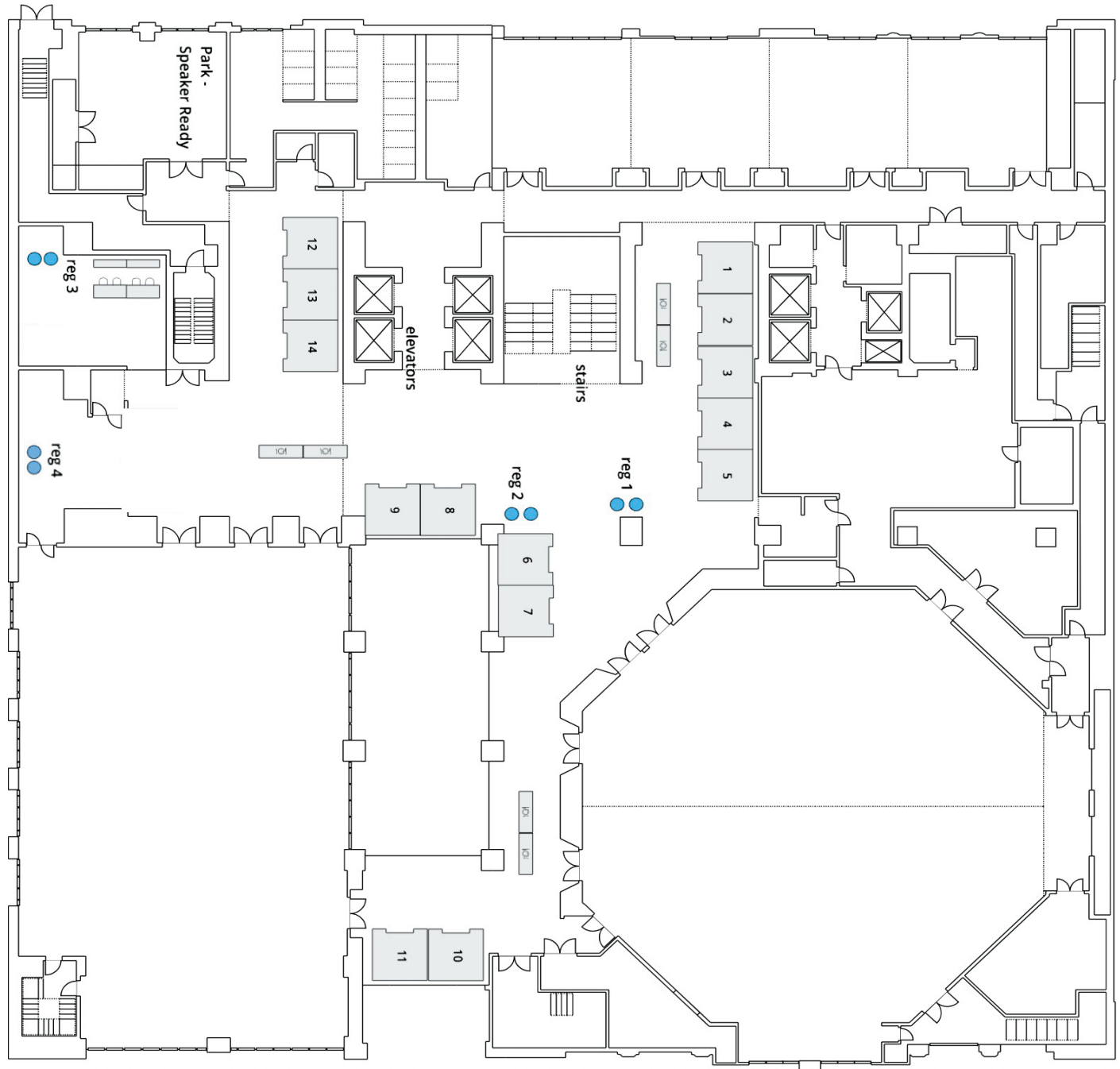
Name of Group	Meeting Date	Beg. Time	End Time	Room
AAAP Board of Directors Meetings				
AAAP Foundation Board of Directors	Monday, July 28	7:00 AM	10:30 AM	Skyline III
AAAP Inc. Board of Directors	Monday, July 28	10:30 AM	5:00 PM	Skyline III
AAAP Past Presidents Luncheon	Tuesday, July 29	12:00 PM	1:30 PM	Skyline III
AAAP Committee Chairs and BOD Meeting	Wednesday, July 30	12:00 PM	1:30 PM	Skyline II
Committee Meetings				
Enteric Diseases Committee	Wednesday, July 30	2:00 PM	3:00 PM	Broadway I, II, III
Membership Committee	Wednesday, July 30	2:00 PM	3:00 PM	Council Suite
Therapeutics, Biologics and Bioprotection Committee	Wednesday, July 30	2:00 PM	3:00 PM	Parlor A, B, C
Externship Committee	Wednesday, July 30	2:00 PM	3:00 PM	Forum Suite
Animal Welfare Committee	Wednesday, July 30	3:00 PM	4:00 PM	Broadway I, II, III
Education Committee	Wednesday, July 30	3:00 PM	4:00 PM	Council Suite
Epidemiology Committee	Wednesday, July 30	3:00 PM	4:00 PM	Parlor A, B, C
LAC & Outreach Committee	Wednesday, July 30	3:00 PM	4:00 PM	Forum Suite
Program Events				
Registration	Monday July 28 - 31	7:00 AM	5:00 PM	Registration Floor
AAAP Quiet Corner	Tuesday - Thursday	7:00 AM	6:00 PM	Skyline IV
Nursing Room	Tuesday - Thursday	7:00 AM	6:00 PM	Senate
AAAP Speaker Ready Room	Sunday, July 27 - 31	7:00 AM	5:30 PM	Park
AAAP Poster Room	Tuesday, July 29 - 31	7:00 AM	7:00 PM	Galleries
AAAP Session Room 1	Tuesday July 29, Thursday, July 31	8:00 AM	5:30 PM	Pavilion Ballroom
AAAP Session Room 2	Tuesday July 29, Thursday, July 31	8:00 AM	5:30 PM	Atrium Ballroom
AAAP Welcome Reception and Poster Session	Tuesday, July 29	5:45 PM	7:00 PM	Galleries & Ballroom Foyer
AAAP Women's Network Committee Meeting (open to all with ticket)	Tuesday, July 29	12:00 PM	1:30 PM	Broadway I, II, III, IV
Exhibitors	Tuesday, July 29 - 31	7:00 AM	5:30 PM	Pavilion & Atrium Foyers
AAAP Symposium	Wednesday, July 30	8:00 AM	12:00 PM	Grand Ballroom I, II
AAAP Student Symposium	Monday, July 27	2:30 PM	5:00 PM	Atrium Ballroom
AAAP Opening Session	Tuesday, July 29	8:00 AM	8:15 AM	Grand Ballroom I, II
AAAP Scientific Program Keynote Address	Tuesday, July 29	8:15 AM	9:00 AM	Grand Ballroom I, II
AAAP Mini-Symposium on Avian Influenza	Tuesday, July 29	9:00 AM	10:15 AM	Grand Ballroom I, II
Poultry Health Professional Pathways	Wednesday, July 30	4:00 PM	5:30 PM	Atrium Ballroom
AAAP Lasher-Eckroade History Lecture	Wednesday, July 30	12:00 PM	12:30 PM	Grand Ballroom I, II
AAAP Business Meeting	Thursday, July 31	11:00 AM	12:15 PM	Pavilion Ballroom
AAAP Awards Luncheon	Thursday, July 31	12:30 PM	1:45 PM	Grand Ballroom I
ACPV				
ACPV Board of Governors Meeting	Wednesday, July 30	7:00 AM	10:00 AM	Skyline III
ACPV Annual Meeting/Breakfast	Thursday, July 31	7:00 AM	8:30 AM	Broadway I, II, III, IV
Invitation Only				
Association of Veterinarians in Broiler Production Meeting	Monday, July 28	8:00 AM	3:30 PM	Broadway I, II, III, IV
Association of Veterinarians in Turkey Production	Monday, July 28	8:00 AM	5:00 PM	Pavillion West Ballroom
Association of Veterinarians in Egg Production	Monday July 28	9:00 AM	3:00 PM	Pavillion East Ballroom
Association of Poultry Primary Breeder Veterinarians	Monday, July 28	11:00 AM	1:30 PM	Skyline II
Small Flocks Interest Group	Monday July 28	1:00 PM	5:00 PM	Parlor A, B, C
Meeting of NC 1180	Monday July 28	7:00 AM	1:00 PM	Council Suite
Mentor/Mentee Breakfast (Invitation Only)	Tuesday, July 29	7:00 AM	8:00 AM	Skyline II
Alumni Associations				
NC Veterinarians and NCSU Students and Alumni	Wednesday, July 30	7:00 AM	8:00 AM	Skyline II
MAM and MAHM Alumni Association	Wednesday, July 30	5:30 PM	6:30 PM	Abigail's Hideaway (Duniway)

Hilton Portland Downtown Meeting Rooms



2025 AAAP Annual Meeting Exhibitors

We would like to thank our exhibitors for joining us in Portland, OR! Our exhibitors will feature products and services related to the advancement of avian medicine. We hope you will stop by their booths for a first-hand opportunity to talk with exhibitors and examine and learn about the products and services they offer.



Exhibitor Locations:

- | | | |
|-----------------------------------|------------------------------------------|--------------------------------------------------|
| 1 - SEPPIC | 6 - Zinpro Specialty Products Inc | 11 - Zoetis |
| 2 - Innovative Diagnostics | 7 - Boehringer Ingelheim | 12 - Elanco Animal Health |
| 3 - AGRITX | 8 - CEVA | 13 - Cargill Animal Nutrition |
| 4 - Barnwell Bio | 9 - Huvepharma, Inc. | 14 - Veterinary Diagnostic Pathology, LLC |
| 5 - Clear H2O | 10 - MERCK | |

Monday, July 28, 2025

	<u>2025 AAAP Student Symposium</u>
Room	Atrium Ballroom
2:30 PM	Overview: Yuko Sato – Mentorship Kabel Robbins – Scholarship Luke Baldwin/Eliza Ripplinger - Externships Waqar Tabish and Stephanie Benedict – Student Community
2:45 PM	Overview of Poultry Industry: Karen Grogan
3:00 PM	My Path to Success: A Poultry Vet’s Life Story and Lessons Learned: Brandon Armwood
3:15 PM	Emergency Response: Eric Orozco
3:30 PM	“What’s your diagnosis?” Case Walk-Through: Rob Porter
3:45 PM	Job and Salary Negotiations: TJ Gaydos and Sabrina Hurst
4:00 PM	Recent Graduate Panel: Luke Trimble Sierra Slautterback Val Johnson Maurice Raccoursier
4:30 PM	Networking
5:00 PM	Adjourn

Tuesday, July 29, 2025

Room	Grand Ballroom	
8:00 AM	Opening Session Claudia Osorio, <i>Elanco Animal Health</i>	
8:15 AM	Keynote Speaker Advances in Broiler Production Efficiencies 1980 through 2025 Michael Donohue, <i>Agri-Stats, Retired</i>	
9:00 AM	H5 Influenza Mini-symposium H5 influenza: Leveraging public forums to advance public policy Michelle M Kromm, <i>Food Forward LLC</i> H5 influenza in dairy: the difficulties in balancing science and production with pragmatism Kay Russo, <i>RSM Consulting</i> H5 influenza: Human health risks from A(H5N1) influenza viruses Richard Webby, <i>St. Jude's Children's Research Hospital</i> H5 influenza: California dairy vet field perspective Blaine Melody, <i>Lander Veterinary Clinic</i>	
10:15 AM	Break	
Room	Pavilion Ballroom	Atrium Ballroom
Topic	Diagnostics	Coccidiosis
Moderator	Rodrigo Gallardo , <i>UC Davis</i>	Ruediger Hauck , <i>Auburn University</i>
10:30 AM	Detection of Infectious Bronchitis Virus On and Within Table Shell Eggs in Shell Quality Challenged Flocks Linnea Tracy, <i>Ceva Animal Health</i>	Characterization of <i>Eimeria</i> Isolates from Commercial Broiler Operations Olivia Lockyear, <i>Auburn University</i>
10:45 AM	Rapid diagnosis of <i>Escherichia coli</i> septicemia in broiler chicken using metabolomics Asha Ranaraja, <i>University of Saskatchewan</i>	The relationship of litter moisture content and sporulation/resilience of <i>Eimeria</i> oocysts Jon Schaefer, <i>Zoetis</i>
11:00 AM	Reed Rumsey Clinical Research Award Optimized Nanopore Sequencing Workflow for Poultry Foreign Animal Diseases Diagnosis from Clinical Samples Maria Chaves, <i>Iowa State University</i>	Vaccination of Individual Birds Improves <i>E. maxima</i> Take & Output Andrew Smith, <i>TARGAN</i>

Tuesday, July 29, 2025

11:15 AM	Validation of a novel, innovative Mycoplasma Gallisepticum-Synoviae qPCR Kit Jantina De Vylder, <i>BioChek</i>	Research farm trial comparing three coccidiosis vaccines in broilers raised on used litter: vaccination assessment and gel vs. spray application Jose Linares, <i>Ceva Animal Health</i>
Topic	Diagnostics	Virology
11:30 AM	Benchmarking Metagenomic Pipelines for the Detection of Foodborne Pathogens in Simulated Microbial Communities Madhusudan Timilsina, <i>University of Maryland</i>	Ethiopian isolates of Newcastle disease virus whole genome sequencing reveals high genetic variation from vaccine strains Berihun Dires Mihiretu, <i>Tottori University</i>
11:45 AM	Meloxicam residue study in finishing age tom turkeys Brian Payne, <i>Veterinary Pharmaceutical Solutions</i>	Turning over rocks: a case of EDS'76... or not Christina Lindsey, <i>Aviagen</i>
12:00 PM	Women's Network Luncheon (ticketed event) Why Coaching Works: Cultivating Hope, Efficacy, Resilience, and Optimism Holly Ward, <i>Shore Coaching</i>	
Room	Pavilion Ballroom	Atrium Ballroom
Topic	Case Reports	Avian Influenza
Moderator	Evan VanBeusekom , <i>Hybrid Turkey Hendrix Genetics</i>	Joaquin Caceres , <i>Iowa State University</i>
1:30 PM	Concurrent Reportable Respiratory Diseases: Why Definitive Diagnosis Matters Kayla Niel, <i>Pennsylvania State University</i>	CRISPR-Cas9-mediated Chicken SLC35A1 Gene Knockout and Its Role in Avian Influenza Replication Karel A Schat, <i>Cornell University</i>
1:45 PM	Size Matters: The role of Feed particles in Runting-Stunting Syndrome. Victor Palomino-Tapia, <i>Maple Leaf</i>	Efficacy of the Reverse-Genetics Vaccine H5N2rg_2022 Against Highly Pathogenic Avian Influenza Viruses from Clade 2.3.4.4b in Multiple Avian Species Leticia Frizzo da Silva, <i>Zoetis</i>
2:00 PM	Decreased Hatchability in Turkey Poults Laura Tensa, <i>Cargill</i>	Development and characterization of in vitro chicken lung organoids as a model for H5 avian influenza virus infection Silvia Carnaccini, <i>Iowa State University</i>
2:15 PM	False Positives in Influenza A Screening of Turkey Semen: The Role of Bacteria and Diagnostic Limitations of Antigen Capture ELISA Jake Carlson, <i>Select Genetics</i>	Immune and Tissue-Specific Dynamics of H9Nx AIV in Chicken Embryo Primary Cultures Rocio Gerez, <i>Auburn University</i>

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2:30 PM	Production Loss and Mortality in a Layer Flock Revealed Underlying Food Safety Concern <i>Megan Lighty, Penn State Animal Diagnostic Laboratory</i>	Surveillance for High Pathogenicity Avian Influenza in Vaccinated Poultry Flocks <i>David Swayne, Birdflu Veterinarian LLC</i>
2:45 PM	Isolation of a Zoonotic Pathogen from a Pullet Residing in a Public Botanic Garden <i>Emily Frye, Pennsylvania State University</i>	Protection of commercial turkeys against highly pathogenic avian influenza H5 virus of clade 2.3.4.4b using an HVT-H5 vectored vaccine <i>Christophe Cazaban, Ceva Animal Health</i>
3:00 PM	Histopathological Lesions Associated with an Increased Incidence of Lameness in Commercial Ducks <i>Dallas Clontz, Veterinary Diagnostic Pathology, LLC</i>	The safety and efficacy of recombinant Baculovirus-H4 vaccine against low-pathogenic avian influenza (H4N4) in turkeys <i>Noreen Bashir, South Dakota State University</i>
3:15 PM	Effect and safety of administration of Fluralaner via drinking water in heavy broiler breeders <i>Rocio Crespo, NC State University</i>	The immunoregulatory effect of blend of Echinacea purpurea, oregano oil and elderberry extract on chickens vaccinated against Avian Influenza <i>Frank Ayala, Laboratorios Drogavet SAC</i>
Topic	Epidemiology	Vaccinology
Moderator	Rocio Crespo, North Carolina State University	Silvia Carnaccini, Iowa State University
3:30 PM	Investigating the Diversity of Fowl Adenoviruses Circulating in the Middle East and Their Impact on Poultry Health (2022 – 2024) <i>Husam Bakri, Vaxxinova International B.V.</i>	Phylogenetic analysis of over 1,000 IBDVs from US chicken flocks since 2009 and how killed vaccines cross protect against IBDVs in each major cluster <i>Kalen Cookson, Zoetis</i>
3:45 PM	Development of a quantitative PCR assay for enumerating <i>Clostridium perfringens</i> and <i>Clostridium septicum</i> in poultry litter <i>Randall Singer, University of Minnesota</i>	Alternative method for administering commercial vaccines to turkey poults at placement <i>Diego Cortes, University of Arkansas</i>
4:00 PM	Evaluation of Vertical Transmission, Broiler Performance, and Environmental Persistence of the 2022-2024 <i>Mycoplasma synoviae</i> Outbreak in NE Georgia <i>Alexandra Whitfield, University of Georgia</i>	Day-old vaccination with a live <i>Mycoplasma gallisepticum</i> vaccine (MG304) using a novel intra-nasal delivery machine for commercial hatcheries <i>Greg Underwood, Bioproperties</i>
4:15 PM	Genetic Sequence Comparison of <i>Mycoplasma Synoviae</i> Cases in West Central Ohio and East Central Indiana Turkey and Chicken Farms <i>Marie Severyn, Cooper Farms</i>	Protection Efficacy of a Trivalent HVT Recombinant Vaccine (HVT-ILT-IBD) Against Infectious Laryngotracheitis (ILT) in Broilers Chickens <i>Daniel Maekawa, Merck Animal Health</i>

Tuesday, July 29, 2025

Topic	Welfare	Vaccinology
4:30 PM	Animal Welfare Considerations for In-Ovo Sexing Mike Petrik, <i>McKinley Hatchery</i>	Rimler Memorial Paper & Avian Bioscience Travel Scholarship Broiler Chickens Immunized With Recombinant Non-Toxic Alpha Toxin Domain-2 of <i>Clostridium septicum</i> Can Be Protected Against Clostridial Dermatitis Carissa Gaghan, <i>North Carolina State University</i>
4:45 PM	Assessing the Effects of Spray and Gel Vaccination on Temperature, Behavioral Responses, and Production Performance in Broilers. Alba Pfaff, <i>Ceva Animal Health, University of Pennsylvania</i>	Risk and Protection Assessment of One-Day-Old Gel-Drop Administration of the Infectious Laryngotracheitis Chicken Embryo Origin Vaccine in Broilers Caley Ellington, <i>University of Georgia</i>
5:00 PM	Plant-Based Choline: a potential animal welfare concern? Ross Wolfenden, <i>Eastman</i>	In vitro evaluation of sites suitable for insertion of foreign genes in infectious laryngotracheitis virus (ILTV) genome to develop as vaccine vector Vishwanatha Reddy Avalakuppa Papi Reddy, <i>Keele University</i>
5:15 PM	Acetylsalicylic Acid Effect in Turkey Poults with Induced Coccidiosis Enteritis Aaliyah Gore, <i>North Carolina State University</i>	Combining Computational Immunology with Vaccine Design: Development of a Flagellin-Based Vaccine for Targeting Infectious Bronchitis Virus Haroon Afzal, <i>National Pingtung University of Science and Technology</i>
Room	Galleries	
5:45 PM	Poster Session & Reception (Wine and Cheese)	
7:00 PM	Adjourn	

Wednesday, July 30, 2025

<u>Food Safety Symposium</u>	
Room	Grand Ballroom
	Preharvest Food Safety Systems Moderator: Beth Krushinskie, <i>FSRM Consulting</i>
8:00 AM	Welcome and Introductions
8:05 AM	Poultry Food Safety Regulatory Update Ashley Peterson, <i>National Chicken Council</i>
8:25 AM	NPIP On-Farm Food Safety Systems Denise Heard, <i>U.S. Poultry & Egg Association</i>
8:45 AM	Gate-to-Plate: Industry-Driven Food Safety Excellence in Canadian Poultry and Eggs Martine Boulianne, <i>Université de Montréal</i>
9:05 AM	AFIA Safe Feed/Safe Food Program Louise Calderwood, <i>American Feed Industry Association</i>
9:25 AM	Layer Industry Commercial Egg Salmonella Controls Eric Gingerich, <i>Cargill Animal Nutrition</i>
9:45 AM	Panel Discussion
10:00 AM	Break
	Preharvest Food Safety Interventions and Analysis Moderator: Ashley Hallowell, <i>Phibro Animal Health</i>
10:20 AM	Preharvest Salmonella Control Strategies Ken Macklin, <i>Mississippi State University</i>
10:40 AM	Poultry Preharvest Sampling Schemes for <i>Salmonella</i> Management Bill Potter, <i>University of Arkansas</i>
11:00 AM	Feed Additives Impact on Salmonella Tim Johnson, <i>University of Minnesota</i>
11:20 AM	Vaccination Strategies against Salmonella Charles Hofacre, <i>Southern Poultry Research Group, Inc.</i>
11:40 AM	Panel Discussion
12:00 PM	Adjourn

Wednesday, July 30, 2025

Room		Grand Ballroom
12:00 PM	Lasher-Eckroade History Lecture A Georgia Poultry Industry Historical Timeline <i>Louise Dufour-Zavala, Georgia Poultry Laboratory Network</i>	
12:30 PM	Lunch Break	
2:00 PM	Committee Meetings (see Page 9)	
Room		Pavilion Ballroom
4:00 PM	Poultry Health Professional Pathways Careers in Poultry Medicine Dr. Eric Gingerich Summary of the 2024 Salary Survey Results Dr. Karen Grogan Allied/Technical Service Panel Elanco (Dr. Claudia Osorio) Merck (Dr. Ivan Alvarado) Zoetis (Dr. Eric Shepherd) Ceva (Dr. Linnea Tracy) Huvepharma (Dr. David Smith) Production Veterinarian Panel Broiler Production (Mountaire/Dr. Michael Quist) Layer (Cal-Maine/Dr. Gunnar Dunnam) Turkey (Jennie-O/Dr. Carrie Creamer) Primary Breeder (Aviagen/Dr. Sara Reichelt) Consulting/Clinic (Wilson Vet Co./Dr. Dan Wilson)	
5:30 PM	Adjourn	

Thursday, July 31, 2025

Room	Pavilion Ballroom	Atrium Ballroom
Topic	Reovirus	Bacteriology
Moderator	Andrew Broadbent , <i>University of Maryland</i>	Ravi Kulkarni , <i>North Carolina State University</i>
8:00 AM	An Insight into Avian Reovirus Evolution and Cross-Species Transmissions in Turkey Hosts <i>Yuko Sato, Iowa State University</i>	The status of antimicrobial use, antimicrobial resistance and flock health in sentinel broiler chicken flocks in Canada <i>Agnes Agunos, CFEZID, PHAC</i>
8:15 AM	Using primary chicken and turkey intestinal organoids to dissect the pathogenesis and host response to avian reovirus (ARV) infection. <i>Andrew Broadbent, University of Maryland</i>	Potential of broiler barn dust as a population level diagnostic technique to routinely monitor pathogens and antimicrobial resistance <i>Awais Ghaffar, University of Calgary</i>
8:30 AM	Investigating the genomic variability of avian reovirus variants by serial passages in embryonated chicken eggs <i>Abdul Rehman Bilal, University of California Davis</i>	Using animal challenge models to elucidate novel APEC serogroups pathogenicity <i>Klao Runcharoon, University of Georgia</i>
8:45 AM	Field Surveillance of Turkey Reovirus: Infection Dynamics, Environmental Persistence, Noninvasive Sampling, and Pathogenicity in Commercial Farms <i>Mohamed Selim, South Dakota State University</i>	Assessing the impact of breeds and types of poultry in a <i>Campylobacter hepaticus</i> challenge model. <i>Catherine Logue, University of Georgia</i>
Topic	Immunosuppressive Viruses	Bacteriology
Moderator	Andrew Broadbent , <i>University of Maryland</i>	Ravi Kulkarni , <i>North Carolina State University</i>
9:00 AM	The impact of AL2 IBD challenge at different ages on the response to a killed SE vaccination and the sparing effect of rHVT-IBD on titer suppression <i>Fernando Ruiz-Jimenez, Zoetis</i>	Investigating Spotty Liver Lesions Persistence After Infection with <i>C. hepaticus</i>, the Causative Agent of Spotty Liver Disease in Layer Hens <i>Roel Becerra, University of Georgia</i>
9:15 AM	Effects of variant infectious bursal disease virus SK09 infection on immune responses in broiler chickens with and without maternal antibodies <i>Ayumi Matsuyama, University of Saskatchewan</i>	Control of <i>Enterococcus cecorum</i> through identifying its dynamics of adaptation to the chickens and its environment. <i>Autumn Gregg, Mississippi State University</i>

Thursday, July 31, 2025

9:30 AM	Molecular characterization of Infectious Bursal Disease Virus (IBDV) variant strains circulating in Mississippi between 2017-2024 <i>Sofia Egana-Labrin, Mississippi State University</i>	Identification of key mechanisms used by <i>Enterococcus cecorum</i> to adapt and survive under unfavorable conditions <i>Martha Pulido Landinez, Mississippi State University</i>
9:45 AM	An Epidemiological Study of Infectious Bursal Disease in the Canadian Commercial Broiler Industry: Geographical Variations and Vaccination Programs <i>Babak Sanei, Zoetis Canada Inc.</i>	Investigating the Pathogenicity and the Immunogenicity of Nonpathogenic <i>Avibacterium paragallinarum</i> via Challenge Study <i>Mostafa M.S. Shelkamy, Iowa State University, Suez Canal University</i>
Topic	Immunosuppressive Viruses	Salmonella
Moderator	Ton Schat, Retired	Cathy Logue, University of Georgia
10:00 AM	Improving In Ovo Vaccination Accuracy: Understanding the Critical Role of Site of Injection (SOI) <i>Marco Quiroz, Zoetis Inc</i>	Effect of different litter treatments and treatment of broilers with organic acids on the litter microbiota <i>Andrea Pietruska, Auburn University</i>
10:15 AM	Evaluating broiler health and performance with increased Marek's protection. <i>Sierra Slautterback, Boehringer Ingelheim</i>	Incidence of <i>Salmonella Hadar</i> in Two Big Tom Complexes <i>Brian Wooming, Cargill Turkey Production LLC</i>
10:30 AM	Whole genome sequencing of probe-enriched infectious bursal disease virus isolates <i>Julia Padavic, Ceva Animal Health</i>	Development of a Multiepitope Subunit Vaccine Against <i>Salmonella Infantis</i> Using Immunoinformatics <i>Dhiraj Chundru, University of Maryland</i>
10:45 AM	Monitoring of breeder flocks vaccinated against Fowl Adenovirus using virus neutralization tests for serotypes 4 and 8b <i>Claudia Carranza, CEVA, NCSU</i>	Effect of a phytogenic combination administered via drinking water on pre-harvest <i>Salmonella</i> in broilers <i>Kay Russo, RSM Consulting</i>
Room	Pavilion Ballroom	
11:00 AM	AAAP Business Meeting	
12:15 PM	Break	
Room	Grand Ballroom II	
12:30 PM	Awards Banquet (sponsored by Zoetis)	
1:45 PM	Break	

Thursday, July 31, 2025

Room	Pavilion Ballroom	Atrium Ballroom
Topic	Avian Metapneumovirus	Immunology
Moderator	Mohamed El-Gazzar, Iowa State University	Kayla Niel, Penn State University
2:00 PM	Experiences with Live Avian Metapneumovirus Vaccination Philip Stayer, Dr Phil Stayer Poultry Consulting, LLC	<i>Clostridium septicum</i> alpha toxin-based recombinant subunit vaccines can protect turkeys against experimental Clostridial dermatitis Ravi Kulkarni, NC State University
2:15 PM	Isolation and Attenuation of Avian Metapneumovirus Type B (aMPV-B) Milos Markis, AviServe LLC	Reed Rumsey Basic Research Award Characterization of mucosal immune responses during necrotic enteritis in chickens and identifying immune genes associated with disease susceptibility Matthew Browning, North Carolina State University
2:30 PM	Onset of immunity and efficacy of a Live Attenuated Subtype B aMPV Vaccine in broilers after challenge, with or without maternal antibodies Martina Dardi, Laboratorios Hipra S.A.	Protection of broiler chickens from <i>Escherichia coli</i> and Necrotic enteritis through trained immunity induced by synthetic and natural CpG motifs Iresha Subhasinghe, University of Saskatchewan
2:45 PM	To study virus evolution and optimization of challenge model for emerging avian metapneumoviruses Sunil Mor, South Dakota State University	Immune dynamics in the long-term maintenance of infectious bronchitis virus (IBV) in the cecal tonsils of chickens Sufna Suhail, University of Calgary
3:00 PM	Popcorn Pneumo Infections: A Field Study of Viral Ct and Antibody Titers for AMPV Subtype A and B Infections and Subtype A and B Co-infections Meagan Abraham, Jennie-O Turkey	Immune Responses against RNA Viruses Investigated by Transcriptome Analysis Ruediger Hauck, Auburn University
Topic	Avian Metapneumovirus	Wealth of Knowledge
Moderator	Mohamed El-Gazzar, Iowa State University	Milos Markis, AviServe LLC
3:15 PM	Evaluating a commercial ELISA as tool to monitor poultry flocks for Avian Metapneumovirus exposure. Gwenllyan Slacum, BioChek Corp	Effects of Turning Angle Deviations on Hatchability, Embryonic Development, Maternal Antibodies, and Chick Quality in Broiler Chicks Josie Gamble, University of Georgia

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3:30 PM	Phylogenetic Analysis of Recently Isolated Avian Metapneumovirus across the Genome, Fusion, and Glycoprotein Joshua Elston, <i>Vaxxinova</i>	Single Stage Incubation in the USA: Percent Relative Humidity, Machine Function, Air Temperature Role in Optimum Profile Donna Hill, <i>Retired</i>
Topic	Avian Metapneumovirus	Wealth of Knowledge
Moderator	Jake Carlson, <i>Select Genetics</i>	Milos Markis, <i>AviServe LLC</i>
3:45 PM	Development and validation of RT-LAMP assay for rapid detection of Avian Metapneumovirus Subgroup B from clinical samples Parfait Kada Florent, <i>South Dakota State University</i>	Adjusting Gamefowl vaccination programs to provide protection against velogenic Newcastle disease in Southern California Rodrigo Gallardo, <i>University of California Davis</i>
4:00 PM	Monoclonal Antibodies Targeting the N-Protein of Avian Metapneumovirus Subgroup B in US: Production, Characterization, and Diagnostics Implications Ravi Gupta, <i>South Dakota State University</i>	The potential impact of imidacloprid and its metabolites on food safety: a toxicokinetic study in laying hens Mayra F Tsoi, <i>Michigan State University</i>
4:15 PM	Avian Metapneumovirus maternal derived antibody evaluation in serum of day-old turkey poults Marissa Studniski, <i>Select Genetics</i>	Global Probiotic usage in Commercial Poultry: A 50-year history in 12 minutes John Schleifer, <i>Devenish Nutrition Inc.</i>
4:30 PM	Persistence of Maternal Antibodies in Progeny Hatched from Turkey Breeder Hens Exposed to Avian Metapneumovirus Type B Molly Parker, <i>Select Genetics</i>	Evaluation of Broiler Heart Activity Post-Controlled Atmosphere Stunning (CAS) to Determine Acceptability of CAS for Religious Slaughter Ken Opengart, <i>3 Birds Consulting, LLC</i>
4:45 PM	Using Controlled Exposure to AMPV SubType A to Increase Protection in Turkeys Evan VanBeusekom, <i>University of Minnesota</i>	Enhanced Gut Immunity with VG/GA Newcastle Vaccine Christa Goodell, <i>Boehringer Ingelheim</i>
5:00 PM	Epidemiology of the First Reported Outbreak of Avian Metapneumovirus Subtype A in Poultry in the United States Veronica Nguyen, <i>California Animal Health and Food Safety Laboratory</i>	Avian Metapneumovirus in a Commercial Tom Operation – We Have a Situation! Becky Tilley, <i>Butterball, LLC</i>
5:15 PM	Interventions in Broiler Breeders Used to Reduce Mortality Associated with Avian Metapneumovirus Subtype A Cooper Stanley, <i>Texas A&M University</i>	ILT Control: A Paradigm Shift Mark Burleson, <i>Wayne-Sanderson Farms</i>
5:30 PM	Adjourn	

Posters

Poster Session on Tuesday, July 29 at 5:45 PM in Gallerias

Avian Metapneumovirus

1. Administering an overdose or repeatedly giving a single dose of a Live Attenuated Subtype B aMPV Vaccine to one-day-old chickens is safe

Martina Dardi, *Laboratorios Hipra S.A.*

2. Development and Validation of a Universal Screening Real-Time PCR Assay for the Diagnosis of A, B, and C Subtypes of Avian Metapneumovirus.

Eman Gadu, *Iowa State University, Mansoura University*

3. Development of a new model for testing aMPV vaccines in chickens using tracheal ciliary activity after an experimental challenge

Martina Dardi, *Laboratorios Hipra S.A.*

4. Evaluating Live AMPV Vaccine Strategies in Turkeys

Evan VanBeusekom, *University of Minnesota*

5. Evaluation of Safety Profile of a Live Attenuated Subtype B aMPV Vaccine Strain

Martina Dardi, *Laboratorios Hipra S.A.*

6. Evaluation of the dissemination of a live attenuated avian metapneumovirus vaccine strain in vaccinated SPF chickens under experimental conditions

Martina Dardi, *Laboratorios Hipra S.A.*

7. Safety and efficacy study of inactivated vaccine against newly emerged avian metapneumovirus subgroup B

Mohamed Selim, *South Dakota State University*

8. Safety of a Live Attenuated Subtype B aMPV Vaccine in hens during lay

Martina Dardi, *Laboratorios Hipra S.A.*

Avian influenza

11. Avian Influenza Virus Surveillance in Wild Waterfowl in the Northern Sacramento Valley, California

Troy Cline, *California State University*

12. Compatibility and Production Performance in Commercial Layers Immunized With rHVT-H7 and rHVT-F Vector Vaccines Applied Simultaneously

Francisco Rojo, *CEVA Salud Animal*

13. Development of a Real-Time qPCR to Identify Genotype B3.13 High Pathogenic Avian Influenza Virus.

Abdulkarim Shwani, *USDA-ARS-USNPRC*

14. Early infection of chicks less than 10 days old with Avian Influenza (H9N2)

Abdoulaye Soumoundou, *Ecole Inter Etats des Sciences et Médecine Vétérinaire (EISMV) Dakar*

15. Influenza A virus protein PB1-F2: molecular signatures linked to viral pathogenesis in the context of low and highly pathogenic avian influenza

Joaquin Caceres, *Iowa State University*

16. Molecular characterization of a clade 2.3.4.4b H5N1 high pathogenicity avian influenza virus from a 2022 outbreak in the Philippines

Christina Leyson, *Department of Science and Technology*

17. Monitoring H9N2 virus shedding from vaccinated birds post challenge: A key factor for vaccine production and successful control strategy

Ayman El-Deeb, *NOVA Pharma veterinary pharmaceutical and vaccines, King Salman International University, Cairo University*

18. Optimized competitive ELISA for the detection of H5 antibodies including new clades

Rafael Forero, *IDvet INC*

19. Replication kinetics of H9Nx and H4Nx Avian Influenza Viruses in Avian Cell Lines

Mariana A Pinheiro, *Auburn University*

20. Serology for assessing vaccination quality against highly pathogenic avian influenza with a self-amplifying RNA vaccine in French mule ducks

Christophe Cazaban, *Ceva Animal Health*

Bacteriology

23. Antimicrobial Resistance profiles of emergent *Enterococcus cecorum* causing systemic disease in chickens

Roxana Sanchez-Ingunza, *RSI Poultry Veterinary Consulting LLC*

24. Characterization and antimicrobial susceptibility of *Gallibacterium anatis* isolates from Mexico

María Magdalena Limón-González, *UNAM*

25. Comparison of antibody titers and egg production of layers vaccinated with oil emulsion or aluminum hydroxide-based adjuvant 3-way Salmonella vaccines

Igor Vellano, *Phibro Animal Health Corporation*

26. Comprehensive characterization of *Castellaniella ginsengisoli* clinical isolates– an emerging pathogen in chickens?

Yi Chen Luo, *Athens Veterinary Diagnostic Laboratory*

28. Gut antimicrobial mechanism of an avian host-specific bacteria

Caleb Skow, *Iowa State University*

29. Persistence of multi-drug resistant *Escherichia coli* causing lameness on a broiler chicken farm

Laura Bower Booth, *Animal and Plant Health Agency*

30. Phenotypic and genotypic characterization of Avian Pathogenic *Escherichia coli* (APEC) isolated from chicks and embryos in the hatchery.

Renata Steffen, *USP*

31. *Salmonella* spp. Characterization by using Next Generation Sequencing from a Breeder Farm

Keat Fu, *Aviagen*

32. The Impact of a 3-strain *Bacillus* Probiotic on Broilers in a Naturally Occurring *Enterococcus* Challenge Model

Maria Terra-Long, *Phileo by Lesaffre*

33. Typing and antimicrobial susceptibility of *Pasteurella multocida* isolates associated with fowl cholera obtained from Mexico.

Vladimir Morales-Erasto, *Universidad Nacional Autónoma de México*

34. Typing based on HMTp210 and antimicrobial susceptibility of non-typeable NAD-independent isolates of *Avibacterium paragallinarum* obtained from Mexico

Vladimir Morales-Erasto, *Universidad Nacional Autónoma de México*

35. Use of in-feed MiXscience Products for control of *Enterococcus cecorum* in Broiler Chickens

Matthew Jones, *Southern Poultry Research Group*

Case Reports

36. Co-Infection of Avian Reovirus, Marek's Disease, and Mycoplasma synoviae in a Gamefowl Flock in Ibaan, Batangas, Philippines

Sherwin Camba, *University of the Philippines Los Banos*

37. Investigation of Post-Water Vaccination Reactions in a Broiler Complex: A Case Report

Sierra Slautterback, *Boehringer Ingelheim*

38. Meningitis associated with Salmonella Typhimurium in quail : a case report

Matthieu Pinson, *Réseau Cristal*

39. Salmonella arizonae septicemia in chukar chicks

Ian Miller, *CAHFS Turlock*

40. Three outbreaks of suspected vaccine-related avian encephalomyelitis in broiler chickens in Great Britain

Laura Bower Booth, *Animal and Plant Health Agency*

41. Unmasking Fungal Pneumonia in 15-week-Old Pullets: A Case Report from the Caribbean.

Shayne Ramsubeik, *University of the West Indies*

Coccidiosis

43. Comparative analysis of broiler chicken productivity following vaccination with coccidiosis vaccines versus essential oil in a commercial farm

Martina Dardi, *HIPRA*

44. Comparative field analysis of attenuated by precociousness coccidiosis vaccines vs. non-attenuated coccidiosis vaccines in Argentina

Martina Dardi, *HIPRA*

45. Effect of Anticoccidials in Controlling Intestinal Damage in Broilers Challenged With Eimeria maxima.

Patricia Rocha, *Phibro Animal Health Corporation*

46. Effects of monoglycerides fatty acids on the performance, body composition, and immune response in coccidiosis-vaccinated W-36-layer pullets

Adebayo Sokale, *BASF Corporation*

47. Evaluation of Broiler Performance and Level of Coccidia Protection in Anticoccidial Drug and Quillaja Saponin Combination Programs

Brandon Doss, *Huvepharma, Inc.*

48. Evaluation of performance in commercial broilers with the use of coccidiosis vaccine against anticoccidials in India

Martina Dardi, *HIPRA*

49. Evaluation of The Development of Resistance Following Prolonged Use of Synthetic Anticoccidials in a High Challenge Floor Pen Model

Nicholas Brown, *Huvepharma, Inc*

50. Fortifying Immunity: How Dried Egg Product Enhances Resistance in *Eimeria*-Challenged Turkey Poults

Demilade Ibiwoye, *North Carolina State University*

51. Resistance to Ionophores, did it change with Raised Without Antibiotics programs

Greg Mathis, *Southern Poultry Feed & Research*

Diagnostics

52. A Comparative Assessment of Serological Diagnostic Methods in Poultry Health Monitoring

Husam Bakri, *Vaxxinova International B.V.*

53. Genotyping Survey of Infectious laryngotracheitis virus (ILTV) in Broiler Breeder Flocks

April Skipper, *University of Georgia*

54. Metagenomics as a diagnostic game changer in a multidisciplinary context: the example of lymphoid neoplasms in captive Asian Houbara bustards

Manuela Crispo, *IHAP, ENVT, INRAE*

55. Serum Biochemistry preliminary surveillance on broiler breeder by using MiniChem system

Keat Fu, *Aviagen*

Enteric Health

56. Alternative method for administering commercial vaccines to turkey poults at placement

Diego Cortes, *University of Arkansas*

57. An overview of a novel combination of postbiotic and phytogenic to support mitigating colibacillosis in poultry

Vivek A Kuttappan, *Cargill, Inc.*

58. Blend of Probiotics and exogenous enzymes as Alternatives to Antibiotics for the Prevention and Control of Necrotic Enteritis in Chickens

Frank Ayala, *Laboratorios Drogavet SAC*

59. Comparative metagenomic analysis of jejunal and cecal microbiota in broilers with subclinical enteric infection

Rana W. Tabish, *Auburn University*

60. Comparative study of the Jejunal microbiome composition in conventional and raised without antibiotics feeding systems in broiler chickens.

Ashani Palkumbura, *University of Saskatchewan*

61. Comparing the effectiveness of two short and medium chain fatty acid-based products in Cocci-Challenged broilers

Ariel Bergeron, *Adisseo USA Inc*

62. Early Gut Colonization: Probiotic Spray on Incubating Eggs and the Impact on Microbiome Development in Chickens

Mihiprabha Rathnayake, *University of Saskatchewan*

63. Effects of early postbiotic supplementation on intestinal chemokine expression and their receptors during subclinical necrotic enteritis in broilers

Paniz Zarghami Dastjerdi, *Department of Poultry Science*

64. Efficacy of an attenuated coccidiosis vaccine to reduce the excretion and colonization of Salmonella Infantis in chickens infected with Eimeria spp.

Martina Dardi, *HIPRA*

65. Impact of postbiotics and phytogenics on turkeys challenged with *Histomonas meleagridis*

Megan Koppen, *Cargill Animal Health & Nutrition*

66. Sulfated polysaccharides positively influence the cecal microbiota of broilers during a necrotic enteritis challenge

Abhisek Niraula, *University of Georgia*

67. Two products based on short- and medium-chain fatty acids have distinct effects on performance and biomarkers of Enterococcus-challenged broilers

Ariel Bergeron, *Adisseo USA Inc*

68. Use of activated diatoms, pronutrients and phenolic antimicrobial molecules for preventing intestinal challenges in broiler chickens

Elisabhet Pagès, *Biovet S.A.*

Infectious Bronchitis Virus

69. A heterologous vaccination approach against Var2 (GI-23) infectious bronchitis virus.

Mark Jackwood, *Ceva*

70. Characterization of microRNA candidates at the primary site of infectious bronchitis virus infection

M. Faizal Abdul-Careem, *University of Calgary*

71. De novo transcriptome assembly enhances detection of differentially expressed genes in avian coronavirus-infected chicken tissues

Sufna Suhail, *University of Calgary*

72. Detection and Control of Field Infectious Bronchitis Viruses in the Mexican Poultry Industry in a 10-year timeline

Francisco Rios-Cambre, *MSD Salud Animal Mexico*

73. Does Infectious Bronchitis Virus G1 23 Prevent Commercial Pullets From Reaching Sexual Maturity? A Case Report.

Francisco Rios-Cambre, *MSD Salud Animal Mexico*

74. Evaluation of Seroconversion and Safety for Various Vaccination Programs Against Infectious Bronchitis

Jorge Chacon, *Ceva Animal Health*

75. The effect of TLR3 and MDA5 gene knockout on Infectious Bronchitis Virus replication in DF-1 cells

Valeria Alcayaga, *The Ohio State University*

76. Use of a vaccination protocol including live and inactivated IBV vaccines against a heterologous challenge with a Brazilian IBV variant

Lucas Colvero, *Merck Animal Health*

Infectious Bursal Disease

77. Biological behavior of an immune complex vaccine against Infectious Bursal Disease applied in commercial layers in Mexico

Luiz Sesti, *Ceva Animal Health*

78. Comparative Study of Two Live IBDV Vaccines; A Live vaccine and an Immune Complex IBD Vaccine in Commercial Broilers in the Philippines

Nathaniel Mendoza, *Phibro Animal Health Corporation*

79. Comparing the immunosuppressive effects of classical and variant infectious bursal disease viruses in broiler chickens

Yasodha Basnayake, *University of Saskatchewan*

81. Generation and evaluation of a recombinant Newcastle disease virus expressing the VP2 protein of a novel infectious bursal disease virus variant

Lei He, *Henan University of Science and Technology, US National Poultry Research Center*

82. Pathogenicity assessment of “subclinical” infectious bursal disease virus strains

Christophe Cazaban, *Ceva Animal Health*

83. The Application of Subunit Vaccine against Infectious Bursal Disease in Chickens with Maternal Antibody

Ming-Kun Hsieh, *National Chung Hsing University*

Mycoplasma

85. CRISPR spacers in *Mycoplasma gallisepticum* live vaccines isolated from chickens and turkeys

Eniope Oluwyainka, *University of Georgia*

86. Effect of Field Use of Live Vaccine for the Control of *Mycoplasma Synoviae* in Broiler Breeders in Chile

Francisco Aspee, *Agricola Ariztia*

87. Genetic Characterization and Antibiotic Resistance of *Mycoplasma synoviae* S-56 and S-76 Strains from Recent Outbreaks in Northeast Georgia

Michael Davis, *UGA Poultry Diagnostic Research Center*

89. Quantitative Assessment of *Mycoplasma gallisepticum* (MG) Detection Methods in Relation to Cleaning Effectiveness

Gabriela Kiesel, *Jennie-O*

Newcastle Disease Virus

90. Analysis of gene expression in DF-1 cells infected with LaSota Newcastle Disease Virus using RNAscope

Arthur Colombari Cheng, *Auburn University*

91. Comparison of broiler vaccination programs using two vector HVT vaccines versus one vector HVT and one inactivated given at the same time in Mexico

Luiz Sesti, *Ceva Animal Health*

93. Effect of *Echinacea purpurea* and elderberry on growth parameters and immune response on chickens vaccinated and challenged with Newcastle disease virus

Frank Ayala, *Laboratorios Drogavet SAC*

94. New Castle Disease Virus effects on the microbiota composition in the lower respiratory tract of young chickens

Taina Lopes, *Auburn University*

Reovirus

97. Detecting Multiple Avian Reovirus Genotypes from Field Samples using a Novel S1 Segment PCR and Oxford Nanopore Sequencing

Derek Moormeier, *Ceva Animal Health*

100. The effect of simulated vertical transmission of Avian Reovirus on chicken embryos

Nabin Neupane, *Auburn University*

Vaccinology

102. Comparison of vaccination strategies to protect long-lived birds against *Salmonella* Enteritidis and *S. Infantis* using commercially licensed products

Fernando Ruiz-Jimenez, *Zoetis*

103. Effect of MDV-1 vaccines administered alone or with HVT on the development of the chicken embryo immune system

Abdelhamid Fares, *North Carolina State University*

104. End-of-cycle mortality in Broilers between different vaccination protocols against IB and ND using a statistical analysis model in Colombia.

Camilo Andres Medina Santos, *MSD SALUD ANIMAL*

105. Evaluation of Passive Transfer and Protective Efficacy of Maternal Antibodies Against a Novel *Salmonella* Vaccine Candidate

Roshen Neelawala, *University of Florida*

108. Identification and geographical location of variant strains of the Infectious Bronchitis virus in commercial birds in Colombia during 2024.

Camilo Andres Medina Santos, *MSD SALUD ANIMAL*

109. Infection Rate and Disease from Infectious Laryngotracheitis Virus (ILTV) Chicken Embryo Origin (CEO) Vaccine: Gel Drop in Hatchery vs. Drinking Water

Ana Claudia Zamora, *University of Georgia*

110. Innovative serological assays for poultry vector vaccines monitoring and DIVA testing of Newcastle, Infectious Laryngotracheitis and Gumboro diseases

Rafael Forero, *IDvet INC*

112. Monitoring of the humoral response induced after vaccination with a vectorized biological HVT-ND ILT in commercial farms in Colombia.

Camilo Andres Medina Santos, *MSD SALUD ANIMAL*

114. Serological monitoring as a tool to evidence ILT viral shedding reduction due to continuous vaccination with a rFP-gB vector vaccine in broilers

Silvana Gagliuffi, *CEVA ANIMAL HEALTH - Veterinary Services*

115. The effect of the addition of different antibiotics on the pH of a diluent for cell associated vaccines

Lucas Colvero, *Merck Animal Health*

116. Utilizing Vaccine Takes for Newcastle Disease Virus (NDV) to Evaluate Different Vaccine Combinations

Brian Jordan, *Zoetis*

Virology

117. Genetic analysis of Infectious laryngotracheitis virus reveals virus origin and estimated spreading route

Jorge Chacon, *Ceva Animal Health*

118. Genetic evolution of wild waterfowl low-virulence Newcastle Disease virus in commercial chicken eggs with maternal antibodies

Deepa Chaudhary, *Auburn University*

119. Genome sequence analysis of novel Nephropathogenic/Respiratory isolates belongs to Mas/GI-1- Infectious Bronchitis virus from broiler/layer chickens.

Maged Hemida, *Long Island University*

120. Infectious Laryngotracheitis Virus (ILTV) Serological Monitoring in Commercial Broilers

Matilde Alfonso, *Ceva Animal Health*

122. Measurement of Trachea Submucosal Thickness as an Indicator of Infiltration Induced by Infectious laryngotracheitis virus (ILTV) Infection.

Roshan Paudel, *University of Georgia*

123. Pathological, epidemiological features, and statistical study of histopathological changes in chicken transmissible viral proventriculitis

Merad Djamel Eddine, *University of Chadi Ben Djedid Eltaref Algeria*

124. Phylogenetic analyses of chicken astroviruses diagnosed at the Poultry Research and Diagnostic Lab associated with digestive and hatchability issues.

Alejandro Banda, *Mississippi State University*

Wealth of Knowledge

125. Exploring factors on histomoniasis development in broiler breeder pullets

Catherine Fudge, *University of Georgia*

127. Data mining to assess trends in airsacculitis condemnations and their correlations with the situation of Infectious Bronchitis in Brazil

Jose Emilio Dias, *Phibro Animal Health Corporation*

129. Effect of type of shed on productive performance in brown egg-type pullets during the growth stage

Silvana Gagliuffi, *Universidad Científica del Sur*

130. Optimization of Microinjection Techniques for the Introduction of Wolbachia into Litter Beetles (*Alphitobius diaperinus*)

Teresa Dormitorio, *Auburn University*

131. Preserving Animal Welfare and Disease Management through Ethnoveterinary Practices: Insights from Tribal communities of Jammu and Kashmir, India

Mandeep Singh Azad, *Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu*

132. Prove it! Using Metrics, Root Cause, and Communication to Move Your Animal Welfare Program Forward

Sara Reichelt, *Aviagen*

133. The Effect of Poult Holding Temperature and Humidity on 7 Day Mortality

Abby Kniss, *Aviagen Turkeys*

134. USDA's National Animal Health Monitoring System Upcoming Poultry Studies: Small Enterprise and Upland Gamebirds and Ducks

Victoria Fields, *USDA*

135. Utilizing a Sucrose-Based Flavor Enhancer in Commercial Turkey Poults

Ashley Poissant, *Jennie-O Turkey Store*

136. What can the Eggshell Tell Us?: Field Experiences Reveal Health and Production Implications of Eggshell Quality

Raquel Burin, *Zinpro*

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Available July 15 – August 15 to all registrants. CE granted for viewing up to 10 hours. To access go to <https://aaap.mclms.net/en/>

Respiratory Viruses 1

Unsung Heroes: The unseen impact of HPAI outbreaks on private poultry vet practices, the view from British Columbia.

Victoria Bowes, *Canadian Poultry Consultants, Small Flock Poultry Health Services*

Molecular Epidemiology of Infectious Bronchitis Virus (IBV) in Backyard Poultry in São Paulo, Brazil

Helena Lage Ferreira, *University of Sao Paulo (FZEA-USP)*

Respiratory Viruses 2

Serological survey of avian metapneumovirus in broiler breeders for the state of Georgia (USA)

Kathleen Sary, *GPLN*

Mapping the genetic diversity of avian metapneumovirus isolated from chicken flocks in the state of Georgia (USA).

Sonsiray Alvarez Narvaez, *US National Poultry Research Center*

Avian metapneumovirus subtype A & B isolation and studies on vertical transmission in turkeys

David Suarez, *ARS*

Desperate Times Call for Desperate Measures: A Sentinel-based Experiment with Avian metapneumovirus type A in Commercial Turkey Poults

Elizabeth Beilke, *West Liberty Foods, LLC*

Bacteriology

A host-specific bacteria to increase chicken gut immune maturation in early life.

Melha Mellata, *Iowa State University*

The BIG Es in Poultry: A New Approach to Tackling *E. coli* and *Enterococcus* in Broiler Operations

Gina Sloan, *AGRITX*

Identification of *Enterococcus cecorum* reservoirs in the environment of broiler chickens

Martine Boulianne, *University of Montreal*

Does all disease begin in the gut? Or, does a healthy gut improve long-term health & productivity?

Katherine Barger-Weathers, *KB Welfare Consulting, LLC*

Case Reports 1

Infectious Laryngotracheitis with cloacitis in broiler breeders.

Peter O'Kane, *Slate Hall Veterinary Services*

Malignant melanoma in a duck with widespread metastasis

Amanda Smith, *University of Missouri*

From Cough to Cheeseballs: Aftermath of Avian Metapneumovirus Type B in Turkey Breeder Hens

Nathan Freeman, *Select Genetics*

“Does that head look swollen to you?” An Analysis of 32 aMPV Cases in 2024

Nisana Miller, *Aviagen ANA*

Case Reports 2

Management of Mixed Bacterial Infection and Newcastle Disease in Isa Brown Layers

David Olayinka Ishola, *Olam Hatcheries Limited, Postgraduate College of Veterinary Surgeons Nigeria*

Elevated zinc levels in a neurologic domestic goose

Hailey Quercia, *Virginia Department of Agriculture*

Parasitology

Field Assessment of Coccidiosis Vaccine Uptake and Early Replication of Two Different Products Applied by Gel or Spray

Erin Riley, *Ceva Animal Health*

HTSi Review of US broiler chickens from 2021 to 2024 by age, season and US region with Production parameters addressed by Wintertime programs

Francene Van Sambeek, *Elanco Animal Health*

Do we need to rethink the way we vaccinate birds at the hatchery if they have access to feed and water in the hatcher?

Katherine Schaeftbauer, *Jennie-O Turkey Store*

Effects of Time of Day and Sex on Helminth Egg Shedding in Nigerian Local Chickens

David Olayinka Ishola, *Olam Hatcheries Limited, Postgraduate College of Veterinary Surgeons Nigeria*

Infectious Bursal Disease

Host genetics and infectious bursal disease virus vaccine efficacy

Julia Blakey, *USDA*

Study on live and recombinant vaccines given subcutaneously to protect against AL2 and a variant 99% identical to a prevalent IBDV in Canada and Asia

Kalen Cookson, *Zoetis*

Miscellaneous

Viral Tenosynovitis in Poultry: Integrating Histopathology, In-Situ Hybridization, and qRT-PCR for Avian Reovirus Diagnosis

Cheng-Shun Hsueh, *Iowa State University*

Pathological Findings of Avian Reovirus in Commercial Broilers: Seroprevalence and Molecular Detection of Arthritis/Tenosynovitis in Kaduna Metropolis

Abdullahi Abdullahi Raji, *Usmanu Danfodiyo University*

Quantification of Marek's disease virus serotype 1 in feathers as a tool for monitoring the vaccine take and field challenge in Vietnam.

Ludio Martins Gomes, *Vaxxinova International GmbH*

Downstream benefit of Marek's disease vaccination and dosage effect

John Dunn, *USDA-ARS*

**National Animal Health Monitoring System Backyard Animal Keeping Study 2024:
National and City Survey Results Overview**

Victoria Fields, *USDA*

Mycoplasma

Development and Evaluation of Mycoplasma gallisepticum Challenge Model in Layer Pullets.

Amro Hashish, *Iowa State University, Animal Health Research Institute*

**Evaluation of vaccination programs in layer pullets using recombinant Fowl Pox-
Mycoplasma gallisepticum vaccine in comparison to F strain live vaccine**

Mohamed El Gazzar, *Iowa State University*

Food Safety

Bacterial communities and the resistome in layer barns; a significant One Health concern

Awais Ghaffar, *University of Calgary*

Salmonella Surveillance at CDC for Public Health Action: Applications for Industry

Marisa Hast, *CDC*

Horizontal transmission of experimental Salmonella Enteritidis infection among egg-type pullets in cage-free housing

Richard Gast, *USDA-ARS*

Virology

Multiple Field Experiences: Impact of SRP E. coli-SE Vaccine on Broiler Breeder Hen Mortality

Don Ritter, *Poultry Business Solutions LLC, Vaxxinova USA*

Evaluation of in lay boosting with a commercial *Pasteurella multocida* modified-live vaccine in organic, free range layers

Luke Trimble, *Wilson Vet Co.*

Measuring Herpesvirus of Turkeys (HVT) Recombinant Vaccine Virus Takes

Brian Jordan, *Zoetis*

Wealth of Knowledge

Practical application of multi-mycotoxin biomarker analysis from dried blood spots to assess mycotoxin exposure risk and performance impacts a novel mycotoxin intervention in broilers

Don Ritter, *Poultry Business Solutions LLC, Innovad USA*

Mycotoxin mitigation strategies: yeast cell wall extract supplementation in broiler and layer performance, productivity and sustainability

Dulmelis Sandu, *Alltech*

An investigation into the risk factors associated with recurrent Fowlpox cases

Isabella Hannay, *Mississippi State University*

Understanding the Poultry Health Professionals

Linda Flores, *Western University of Health Sciences*

Evaluation of Very Virulent Plus Marek's Disease Virus-Induced Immunosuppression in Meat Type Chickens

Nagwa Khaled, *North Carolina State University*

Expression of the Avian Reovirus Sigma C Protein and a Chicken Cytokine Using the NDV TS09 Vector as a Vaccine for in-ovo Vaccination

Lei He, *US National Poultry Research Center, Henan University of Science and Technology*

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EXPLORE *Portland, OR*

Credit: Celeste Noche

Interested in exploring Portland, OR? When you're not networking with your fellow AAAP members, discover a multitude of unique experiences in The Rose City. Here are some attractions located just blocks away from our Annual Meeting.

PORTLAND ART MUSEUM

The Pacific Northwest's oldest museum includes an outdoor sculpture court; permanent galleries with Native American, Asian, European and American art; and special exhibitions.

PIONEER COURTHOUSE SQUARE

Known locally as Portland's "living room," this public space hosts hundreds of events every year. The square features a waterfall fountain, two brick amphitheaters, two iconic statues and popular food carts at lunchtime.

POWELL'S CITY OF BOOKS

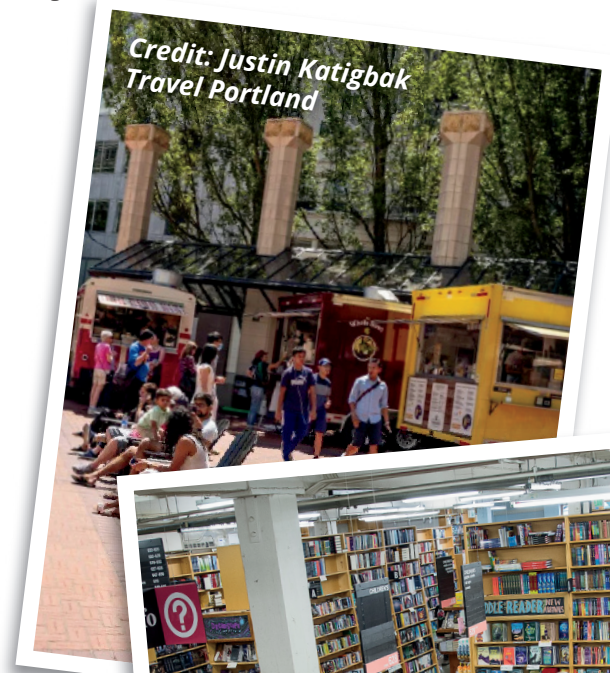
From humble storefront beginnings in 1971, Powell's has grown into an iconic Portland destination. Occupying an entire city block, the world's largest new and used bookstore offers frequent author talks, a rare book room and a coffee shop.

ARLENE SCHNITZER CONCERT HALL

A 65-foot-high "Portland" sign illuminated with 6,000 lights crowns the historic Arlene Schnitzer Concert Hall. Seating 2,776 it is the home base for the Oregon Symphony Orchestra and several other large performing arts groups.

PIONEER PLACE

This shopping center occupies four city blocks in the heart of downtown Portland, offering tax-free shopping at over 100 stores, an expansive food court, bars and a movie theater.





PORTLAND *Food & Drink*

Credit: Travel Portland

Portland is known for its variety of cuisine, thanks to the multitude of nationalities that call Oregon home. You can find coffee shops, prohibition-style bars, fine dining and food truck pods scattered around the city.

PORTLAND FOOD HALL - 5 minute walk

Can't decide what to eat? Portland Food Hall contains a collection of micro restaurants with a wide variety of choices. Situated in a restored vintage building, there's something for everybody here.

URBAN FARMER - 3 minute walk

Urban Farmer puts an emphasis on local, organic sourcing and simple, straightforward preparations. Located inside the Nines hotel, the space captures the quaintness of a restored farmhouse with a touch of mid-century modernism.

HIGGINS RESTAURANT & BAR - 5 minute walk

Higgins features local, seasonal, organic and sustainable ingredients. Chef and owner Greg Higgins won a James Beard Award for "Best Chef: Northwest" in 2002.

FLYING ELEPHANTS - 2 minute walk

Flying Elephants is a streamlined, quicker version of Elephants Delicatessen, and prides itself on quality food and sustainable practices.

SWINE RESTAURANT - 2 minute walk

This prohibition-inspired bar offers classic whiskey-heavy concoctions, signature cocktails and American comfort foods.

ADDY'S SANDWICH BAR - 3 minute walk

This weekday lunch counter serves up paninis, subs and creative sandwiches like duck confit, with salads and smoothies.

SOUTHPARK SEAFOOD - 3 minute walk

Enjoy sustainable seafood, an innovative raw bar, and an ever-changing menu at Southpark Seafood in downtown Portland.

LUC LAC VIETNAMESE KITCHEN - 5 minute walk

With recipes that highlight fresh, local ingredients, Luc Lac's menu consists of traditional dishes that were developed in Vietnam.

BREAK BREAD - 5 minute walk

Locally owned sandwich shop Break Bread brings you Portland-style subs with vegetarian and gluten-free options.

PADDY'S BAR & GRILL - 8 minute walk

Paddy's is one of the oldest Irish bars in downtown Portland. They serve traditional Irish fare, and have an inventory of over 500 spirits.

VOODOO DOUGHNUT - 13 minute walk

This iconic Portland doughnut shop sells inventive doughnuts topped with ingredients like bacon and bubblegum. There's almost always a line, but the wait is worth it.

LESS AND MORE COFFEE - 2 minute walk

From an old bus shelter in downtown, find locally roasted coffee with traditional offerings, and coffee with a twist; Korean ingredients like purple yam and ssuk (mugwort).

Participate in the AAAP Foundation 2025 Raffle

Drawing for Winners: July 31st, 1:00 PM PST

Support a good cause by entering the AAAP Foundation 2025 Raffle! You have the chance to win amazing prizes while funding AAAP Foundation scholarships. All proceeds from the raffle will go towards them. Raffle tickets are \$10 each or 5 tickets for \$40, with the Hand Selected Napa Valley Wine Package priced at \$20 per ticket due to the market value.



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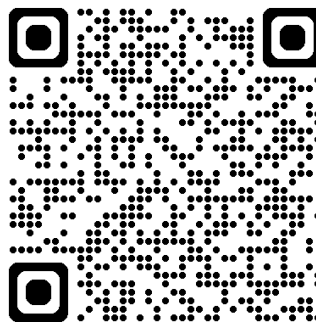


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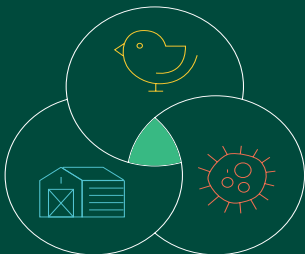


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