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All convention attendee photos courtesy of Matt Alexandre.

On occasion, a photographer may take photos, videos, or other recordings of attendees at AVMA Convention 2017 or of people participating in convention functions or activities. Please be aware that these photos and recordings are for the AVMA’s use and may appear in AVMA convention programs, catalogs, brochures, journals, website, in other AVMA materials or as part of the AVMA media outreach efforts. Your attendance at any AVMA convention event constitutes your permission and consent for the AVMA to utilize your image, likeness, and/or recorded voice as described herein.
## 2017 Schedule-at-a-Glance

### Friday, July 21
- Registration: 7:00 AM – 6:00 PM
- CE Sessions: 10:00 AM – 12:00 PM
- Lunch Break: 12:00 – 1:00 PM
- CE Sessions: 1:00 – 5:00 PM
- Meet-the-Experts Round Table: 5:00 – 6:30 PM
- Alumni Receptions**: 7:00 – 9:00 PM

### Saturday, July 22
- Registration: 6:30 AM – 5:00 PM
- Sunrise CE: 7:00 – 8:00 AM
- CE Sessions: 8:00 – 10:00 AM
- Keynote Brunch*: 10:00 AM – 12:00 PM
- Exhibit Hall Opening / Hours: 12:00 – 4:00 PM
- Lunch / Exhibit Hall Break: 12:00 – 2:00 PM
- CE Sessions: 2:00 – 6:00 PM
- AVMF Food Truck Fest**: 7:00 – 9:00 PM
- Young Professionals Event**: 6:30 – 8:00 PM
- Technician Appreciation Event**: 7:00 – 9:00 PM
- Dine Arounds**: 7:00 PM

### Sunday, July 23
- Registration: 6:30 AM – 5:00 PM
- Sunrise CE: 7:00 – 8:00 AM
- CE Sessions: 8:00 – 11:00 AM
- Exhibit Hall Hours: 10:00 AM – 4:00 PM
- Lunch / Exhibit Hall Break: 11:00 AM – 1:00 PM
- CE Sessions: 1:00 – 3:00 PM
- Exhibit Hall Break / Refresher Sessions: 3:00 – 4:00 PM
- AVMA Poster Presentations: 3:00 – 4:00 PM
- CE Sessions: 4:00 – 6:00 PM
- AVMA Concert Featuring the Gin Blossoms: Doors Open 6:30 PM

### Monday, July 24
- Registration: 6:30 AM – 5:00 PM
- Sunrise CE: 7:00 – 8:00 AM
- CE Sessions: 8:00 – 11:00 AM
- Exhibit Hall Hours: 10:00 AM – 4:00 PM
- Lunch / Exhibit Hall Break: 11:00 AM – 1:00 PM
- CE Sessions: 1:00 – 3:00 PM
- Exhibit Hall Break / Refresher Sessions: 3:00 – 4:00 PM
- CE Sessions: 4:00 – 6:00 PM

### Tuesday, July 25
- Registration: 7:00 AM – 12:00 PM
- CE Sessions: 8:00 AM – 12:00 PM

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*The Keynote Brunch is open to full convention registrants, including veterinarians, veterinary technicians, practice staff, and students. Guests and exhibitors are invited to attend a Viewing Party in room 130.132.

**Events occurring at a location other than the Indiana Convention Center. The majority of events, including CE sessions, occur at the Indiana Convention Center.

NOTE: Schedule is subject to change as items are added, confirmed, or canceled. Check the AVMA Convention App for the most up-to-date information.

For the most up-to-date schedule, download the AVMA Convention App or visit avmaconvention.org

facebook.com/avmaconvention | #avmaconv
CONVENTION EDUCATION PROGRAM COMMITTEE

The AVMA would like to recognize the hard work and dedication of the Convention Education Program Committee (CEPC) for the development of the 2017 convention education program.

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*AVMA Posters Subcommittee
THANK YOU

for your continued commitment to the veterinary profession.

AVMA acknowledges the contributions from these Partners in support of the AVMA Convention 2017 and other vital AVMA programs.
EDUCATIONAL PROGRAMMING
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American Academy of Veterinary Nutrition
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American Association of Food Safety and Public Health Veterinarians
American Association of Human-Animal Bond Veterinarians
American Association of Small Ruminant Practitioners
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American College of Veterinary Microbiologists Parasitology
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AVMA Aquatic Veterinary Medicine Committee
AVMA Committee on Antimicrobials
AVMA Committee on Disaster and Emergency Issues
AVMA Committee on Environmental Issues
AVMA Committee on International Veterinary Affairs
AVMA Council on Biologic and Therapeutic Agents
AVMA Council on Research
AVMA Early Career Development Committee
AVMA Membership and Field Services Division
AVMA Practice Advisory Panel
AVMA Steering Committee on Human-Animal Interactions
AVMA Task Force on Veterinary Compounding Legislation
AVMA Veterinary Economics Strategy Committee
Banfield Pet Hospital
Fix-the-Debt Initiative of AAVMC and AVMA
Henry Schein Animal Health
International Veterinary Academy of Pain Management
KSM Business Services
Lesbian and Gay Veterinary Medical Association
National Association of Federal Veterinarians
NAVTA Society of Veterinary Behavior Technicians
US Food and Drug Administration
USDA APHIS Veterinary Services
Veterinary Historical Society
Women's Veterinary Leadership Development Initiative
experience
YOUR ASSOCIATION IN ACTION

Visit the AVMA Pavilion (Booth #701) and learn more about the value of your membership.

• Post and search for jobs at the AVMA’s Veterinary Career Center
• Interact with the all-new JAVMA app
• Spin the “Wheel of Well-Being” and win cool prizes while learning how to incorporate wellness into your convention experience

And don’t miss additional resources provided by the AVMF, Partners for Healthy Pets, AVMA PLIT, AVMA LIFE, and the Indiana VMA!
enhance your opportunities
FOR SUCCESS

fifth AVMA economic summit
October 23-24, 2017
Hilton Rosemont/Chicago O’Hare

Join industry experts to learn about the latest economic research affecting the veterinary profession, and how you can use this information to help guide your practice.

Highlights of the 2017 Economic Summit include:

• An overview of the AVMA’s newly developed dynamic modeling tool that establishes a framework for analyzing how pricing, consumer income and other factors affect the demand for veterinary services and the income of veterinarians.
• A first glance at the recently conducted AVMA Pet Demographics Study.
• A discussion by a panel of authorities on legislative efforts surrounding the Higher Education Act.

For more information and to register, visit avma.org/econsummit.
one size doesn’t fit all

SPAYING AND NEUTERING

Stay up-to-date on the latest research surrounding spaying and neutering so you can make the best recommendations for your patients.

At convention
Health Outcomes Associated with Gonadectomy in Canines and Felines
(1848)
Friday, July 21
11-11:50 AM
Kirk Breuninger, VMD, MDH, DACVPM

After convention
Webinars, literature review, and other resources available at avma.org/spayneuter

AVMA
Our Passion, Our Profession,
CONVENTION INFORMATION AND SERVICES

Information

AVMA INFORMATION BOOTH
WABASH CORRIDOR, LEVEL 1
Visit the AVMA Information Booth for assistance with questions and directions while onsite. Open during registration hours.

REGISTRATION HOURS
EXHIBIT HALL F, LEVEL 1
FRIDAY, JULY 21, 7:00 AM – 6:00 PM
SATURDAY - MONDAY, JULY 22 - 24, 6:30 AM – 5:00 PM
TUESDAY, JULY 25, 7:00 AM – 12:00 PM

E-KIOSKS
WABASH CORRIDOR, LEVEL 1
HOOSIER CORRIDOR, LEVEL 1 & 2
CROSSROADS CORRIDOR, LEVEL 2
Stay connected. Tweet and post on Facebook all of the happenings at this year’s AVMA Convention, email your CE Certificate, or check out AVMA’s Veterinary Career Center!

SHOW US YOUR BADGE!
Indianapolis is excited to welcome you to their city! Several of the local restaurants, attractions, performing arts, shopping, recreation and tours will offer you a discount just for attending. Simply show them your badge and present the corresponding coupon located in the FAQs section of the Convention App.

INTERNET
Complimentary Wi-Fi will be available throughout the convention center for light web surfing. To keep it running quickly for all attendees, download large files or applications like the Convention App at your hotel. To access the Wi-Fi connect to the network AVMA Convention 2017.

HOW DO I GET MY CE CERTIFICATE?
Earn up to 46.5 CE credit hours! Use the AVMA Convention App after you have attended a CE session to track your CE credit hours and create a personalized CE Certificate – just click on the “CE Credit” button within a session listing. Once you’ve populated all the sessions you’ve attended, go to the “CE Certificates” button in the app. You’ll be able to email yourself your certificate.

NEW APP FEATURE: BULK ADD CE SESSIONS!
Go to the “My Agenda” button to see a list of your planned sessions. Select the ones you attended to add them to your Detailed CE Certificate.

Don’t have a smart phone or run out of power? Visit one of the e-Kiosks to email your certificate to yourself or visit avmaconvention.org post-convention to download or print your certificate.

Veterinarians Licensed in Texas or New York:
• Attendees are automatically scanned-in when they pick up their badges from registration.
• Attendees will need to go to the TX/NY CE counter at registration to scan out ONCE before they leave the convention.
• Texas attendees MUST pick up their paper certificates from the TX/NY CE counter before leaving. NY attendees do not need a paper certificate and can use the CE Certificate from the AVMA Convention App.

What your peers had to say...
“I have been to other conferences the last 3 out of 4 years for my annual CE, and their material and speakers became repetitive. AVMA this year was a breath of fresh air. Speakers were excellent, variety of topics wonderful, and the exhibit hall was the best I’ve seen recently. Good job AVMA!”

– Melena McClure, DVM, MS, MBA
Services

VETERINARY CAREER CENTER
EXHIBIT HALL, AVMA PAVILION (BOOTH 701)
The AVMA Veterinary Career Center (VCC) is a well-known, professional job board for veterinary professional and support staffing needs. This year, you can post your open positions to attract the attention of Convention attendees. Appearing in Convention News, at the AVMA Pavilion as well as options for online listings, you will be targeting the candidate audience you need. See us at the AVMA Pavilion, Booth 701, during Exhibit Hall hours.

WELLNESS CENTER
EXHIBIT HALL NEAR REGISTRATION
SATURDAY – MONDAY, JULY 22 – 24, 7:30 AM – 2:00 PM
Stop by the Wellness Center for your health screening. Health screenings are free to AVMA LIFE members and just $40 for non-AVMA LIFE members. Thyroid Profile has been added to the list of additional tests offered.

TRANSPORTATION
The Indiana Convention Center, convention hotels, and AVMA planned offsite events are within walking distance. Should transportation be needed, check with your hotel concierge. Application based ride sharing programs like Uber and Lyft are also affordable transportation options.

BUSINESS CENTER
SPEEDWAY CORRIDOR, LEVEL 1
(NEXT TO ROOM 111)
OPEN MONDAY - FRIDAY, 8:30 AM – 5:00 PM, CLOSED ON WEEKENDS

ADA COMPLIANCE
The Indiana Convention Center is an ADA-compliant facility. Most entrances into the convention center are fully accessible. Accommodations for persons with disabilities include Braille signage, restrooms, accessible ticket counters, designated parking, and wheelchair availability. If you have any special needs, please let AVMA know.

FIRST AID OFFICE
CROSSROADS CORRIDOR, LEVEL 1
Open during registration hours.

LOST & FOUND
CROSSROADS CORRIDOR, LEVEL 1

SECURITY
For emergencies, pick up a convention center phone and dial 3350 from a red house phone or 317-262-3350 from an outside line.

MOTHER’S LOUNGE
WOMEN’S RESTROOM, CROSSROADS CORRIDOR, LEVEL 1
Open daily for our attendee mothers, AVMA offers a convenient and semi-private lounge designed specifically to meet your needs while at the convention.

VISITOR SERVICES DESK
HOOSIER & CROSSROADS CORRIDORS, LEVEL 1
FRIDAY, JULY 21, 10:00 AM – 6:00 PM
SATURDAY-MONDAY, JULY 22 – 24, 7:00 AM – 6:00 PM
TUESDAY, JULY 25, 8:00 AM – 1:00 PM
The Visitor Services Desk can help you with all of your Indy questions, from directions to restaurant recommendations. This is your one stop shop for all things Indy.

FRIENDS OF BILL W
For a full list of local meetings visit indyaa.org
Where to eat?

We invite you to sit and relax between sessions at our onsite dining locations. All locations offer coffee, snacks, and meals.

EXHIBIT HALL CAFÉ
EXHIBIT HALL
Stop by the Exhibit Hall and head towards the back of the 800 aisle, grab a bite or beverage and peruse the AVMA Posters! Food choices range from Mexican, Asian, Hot Sandwiches, Coffee/Snacks and a Grab-N-Go Kiosk with Sandwiches and Salads. A Coffee and Snack cart will also be located in the 1700 aisle near Vet Clinic Live!® AVMA debit cards, credit and cash are accepted at all outlets.

SATURDAY, JULY 22, 12:00 – 4:00 PM
SUNDAY, JULY 23, 11:00 AM – 3:00 PM
MONDAY, JULY 24, 11:00 AM – 3:00 PM
(COFFEE & SNACK CARTS OPEN AT 10:00 AM)

CROSSROADS BISTRO
CROSSROADS CORRIDOR, LEVEL 1
The Crossroads Bistro has everything from early morning pastries, egg soufflés and specialty coffees to lunchtime hot & cold bistro sandwiches, pizza and salads.

FRIDAY, JULY 21, 10:00 AM – 4:00 PM
SATURDAY, JULY 22, 8:00 AM – 2:00 PM
SUNDAY, JULY 23, 8:00 AM – 4:00 PM
MONDAY, JULY 24, 8:00 AM – 4:00 PM

LUNCH IS ON US!
All full convention Veterinarian and Veterinary Technician registrants will receive a $15 credit that can be used in the Exhibit Hall Café during Exhibit Hall hours. Limit one per person. Card is not redeemable for cash and cannot be replaced if lost, stolen, or destroyed. Available while supplies last.

CAPITOL FOOD COURT
CAPITOL CORRIDOR, LEVEL 1
The Capitol Food Court features Espresso, Pizza and Grille items.

FRIDAY, JULY 21, 10:00 AM – 4:00 PM
SATURDAY, JULY 22, 8:00 AM – 2:00 PM
SUNDAY, JULY 23, 8:00 AM – 4:00 PM
MONDAY, JULY 24, 8:00 AM – 4:00 PM

BREAKS
Complimentary water stations and coffee breaks will be available daily throughout the Indiana Convention Center, and from 3:00 – 4:00 PM on Sunday and Monday in the Exhibit Hall.

For additional Lunchtime Learning Opportunities see page 18.
WHEN FED AS AN ADJUNCT TO VETERINARY THERAPY
REDUCES SEIZURES IN EPILEPTIC DOGS
WHEN FED AS AN ADJUNCT TO VETERINARY THERAPY

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LEVEL 2

- Companion Animal (CA)
- Food Animal/Equine (FAE)
- Practice Management (PM)
- Professional Development (PD)
- Public and Corporate Practice (PCP)
- Veterinary Technology (TECH)
- Poultry
- Hot Topics (HT)
- Mix
- AVMA CE Theatre/Sponsored CE
For information about things to see and do in Indianapolis, go to visitIndy.com. ©Visit Indy 5/8/17
PUT THE AVMA CONVENTION 2017 IN THE PALM OF YOUR HAND!

Use the Convention App to find the most up-to-date information on education and events. Browse education sessions and build your personalized convention agenda on your iPhone, iPad, Android, tablet, or desktop computer.

What you can do with the app:

- Plan your CE and events before you go
- Plan your trips to the Exhibit Hall
- Download session handouts
- Track your CE during convention
- Get your CE Certificate
- Play VetAdventure

PHOTO GALLERY

New in 2017! Show off the great photos you take during the convention or see what other people have been up to with the Photo Gallery feature. Post your own photos or look at the event photo stream. Like or comment on the photos to engage with other attendees!

CE & EVENTS

View CE sessions and events at the convention. When viewing an individual session:

- Select “My Agenda” to add a session to your planned schedule.
- Once you have been to a CE session, select “CE Credit” to add it to your CE Certificate.

EXHIBITORS

Plan your trip to the Exhibit Hall! Access the directory of Exhibitors with their booth numbers and locations.

NOTIFICATIONS

Stay updated with convention alerts so you are always “in the know” on what’s happening. Make sure your push notifications are enabled to receive these.

ON NOW!

Not sure what to do? On Now! shows you what sessions and events are going on at that moment.

CE CERTIFICATES

Email your CE Certificate from the app. Two types of CE Certificates are available:

1. Certificate of Attendance – includes your name and 46.5 maximum hours of AVMA approved CE credits.
2. Detailed CE Certificate – includes your name and lists each attended session title and total CE credits.
VETADVENTURE: MOBILE PASSPORT

HOW TO PLAY

• Visit each stop in VetAdventure by exploring the Exhibit Hall.
• Complete fun trivia questions to earn points.
• Check out the leaderboard to see who is ahead each day.

PRIZES

• Be one of the first 25 people to visit all the game stops and get a special limited edition prize!
• Reach 1,000 points by Monday, July 24 at 1:00 PM and you will be automatically entered to win one of three $1,000 gift cards! Winners will be contacted by AVMA Pavilion staff by 3:30 PM on Monday.

WHY USE THE APP?

Listen to your peers...

“I thought the AVMA convention was very well planned. I was quite impressed with the organization of the convention. As a person interested in technology, I felt the app was well designed and thought out and the ability to rate surveys and marked the attended courses for a customized CE certificate was a definite plus.” – Christopher Allen, DVM

Are you ready to show off your skills and engage in some friendly competition?

Play the Convention App game, VetAdventure!

Download the AVMA Convention App for Apple and Android and play VetAdventure.
CE–NETWORKING–LEADERSHIP–OPPORTUNITY

Veterinary Leadership Conference is open to all veterinary professionals interested in learning about:

• Leadership opportunities
• Team building and management
• How the AVMA works with and for you

Who should attend: ANY veterinary professional interested in developing their leadership skills including Students, Recent Graduates, State VMA Representatives, and Veterinary Technicians.

Receive continuing education credit for attending selected sessions.

Why Attend? Listen to your peers...

“As a student, I enjoyed attending VLC because it gave me the opportunity to meet other students and professionals who are passionate about making positive changes in veterinary medicine and inspiring others to go above and beyond their professional duties. It opened my eyes to so many exciting opportunities that this profession has to offer and ones that I look forward to exploring further. VLC doesn’t just stand for veterinary leadership conference, it’s very life-changing!”

– Elizabeth Jones, Student, University of Tennessee CVM
GOOD NEWS TRAVELS FAST,
WHICH IS BAD NEWS FOR MOSQUITOES.

Recent research indicates that treatment of dogs with a combination of dinotefuran, permethrin and pyriproxyfen (Vectra® 3D) inhibits uptake of heartworm microfilariae from infected dogs and prevents transmission of heartworm infective larvae from infected mosquitoes to non-infected dogs.*

*April 12, 2017 www.capcvet.org/guidelines/mosquitoes/

It's official. The Companion Animal Parasite Council supports using mosquito repellent on dogs to help prevent the transmission of heartworms. That gives you another good reason to recommend Double Defense—killing and repelling mosquitoes outside with Vectra® 3D and killing larvae inside with a heartworm preventive. It's the new way to fight back against the growing heartworm problem.

FOR MORE INFORMATION ON THE CAPC MOSQUITO GUIDELINES VISIT FIGHTHEARTWORMNOW.COM
“Lead the Way, Save More Lives”
A practical discussion on leadership, innovation and new protocols.

Featuring:
Craig Prior, B.V.Sc., C.V.J., President of the Companion Animal Parasite Council
Nancy Soares, VMD, Macungie Animal Hospital Owner & Medical Director,
Past-President of the American Animal Hospital Association Board of Directors
Moderated by Steve Dale, CABC

Sponsor of AVMA Sunrise Session on Monday, July 24th, 7:00-7:50 AM
AVMA CE Theatre 1 (inside the Exhibit Hall, Aisle 100) • Breakfast Provided

See All that Ceva has to Offer
MEET-THE-EXPERTS 
ROUND TABLE

FRIDAY, JULY 21
5:00 – 6:30 PM
INDIANA CONVENTION CENTER
SAGAMORE 5-7

Back by Popular Demand!

Meet, discuss, and network with the best and brightest minds at the AVMA Meet-the-Experts Round Table. Take this opportunity to meet and interact with featured speakers and AVMA leaders in a lively, interactive setting. The event will feature 40+ concurrent round table discussions devoted to current topics in veterinary medicine. Take away a functional understanding of a model, approach, concept or tool that you can take back to your practice.

Topics may include: Get the Lead Out!, How I Prevent & Treat Vomiting and Diarrhea in Chemotherapy Patients, Whitetail Deer, and Get Reimbursed for the Charitable Care You Give.

• Three rounds of 20-minute sessions.
• Choose your three sessions from 40+ topics!
• Ten-minute break between each round.
• Attendees rotate tables.

Why Attend? Listen to your peers...

“I enjoyed all of my Meet-the-Experts discussions greatly!!”
– Genine Ervin, DVM, MPH

• Light snacks and beverages available.
• Casual and informal event.
• Earn 1.5 CE Credit Hours!
LUNCHTIME LEARNING

SUNDAY - MONDAY, JULY 23 & 24
12:00 – 1:00 PM
Enjoy lunch and continue learning! Whether you’re a veterinarian, veterinary technician, or recent graduate, there’s an option for everyone. Come early! Food and seating are first come, first served.

Veterinary Technicians

SUNDAY, JULY 23
ROOM: 130-132

Fleas & Ticks: Talking It O.V.E.R with Pet Owners
Janet McConnell
ID# 3018  CE: 1.00
Sponsored by [Boehringer Ingelheim]

SUNDAY, JULY 23
EXHIBIT HALL: AVMA CE THEATER 2

Dental Home Care: Engage, Educate, Empower
Mary Berg, BS, LATG, RVT, VTS
ID# 3019  CE: 1.00
Sponsored by [Boehringer Ingelheim]

MONDAY, JULY 24
ROOM: 130-132

Heartworms EXPOSED: Revealing the Reality and Risks of Heartworm Disease
Kenichiro Yagi, BS, RVT, VTS
ID# 3020  CE: 1.00
Sponsored by [Boehringer Ingelheim]
Lunchtime Connections

SUNDAY, JULY 23
EXHIBIT HALL: AVMA CE THEATER 1

Canine Addison’s Disease: Make Sure You Are Not Missing the Great Pretender!
Companion Animal Medicine
Catharine Scott-Moncrieff, DACVIM-SA, ECVIM
ID# 3004  CE: 1.00
Sponsored by

SUNDAY, JULY 23
EXHIBIT HALL: AVMA CE THEATER 3

Cats, Ticks, and Disease
Companion Animal Medicine
Susan E. Little, DVM, PhD, DACVM-Parasit
ID# 3007  CE: 1.00
Sponsored by

MONDAY, JULY 24
EXHIBIT HALL: AVMA CE THEATER 1

Clinical Approach to Acute Infectious Cough in the Dog
Companion Animal Medicine
Carol Reiner, DVM, PhD
ID# 3003  CE: 1.00
Sponsored by

MONDAY, JULY 24
EXHIBIT HALL: AVMA CE THEATER 2

How Digital Marketing Can Help Veterinarians Grow Their Business
Practice Management
Arnie Kuenn
ID# 3021  CE: 1.00
Sponsored by

MONDAY, JULY 24
ROOM: 133-135

The Latest on Lyme: Updates on Diagnosis and Multimodal Prevention
Companion Animal Medicine
Richard Goldstein, DVM, DACVIM, DECVIM-CA
ID# 3008  CE: 1.00
Sponsored by
THANKS TO OUR PARTNERS
for their generous support and development of convention education.

Make plans to visit these sessions offered in a variety of formats and for your convenience, most include light refreshments and offer CE credit.

Sunrise CE Sessions

Saturday, July 22

7:00 AM - 7:50 AM
ROOM: 130-132
“Urine Luck” There is an Easy Button for the Difficult Urine Sediment Analysis
Companion Animal Medicine
ID# 3013 CE: 1.00
Jennifer Ogeer, DVM, MS, MBA
Sponsored by IDEXX

Sunday, July 23

7:00 AM - 7:50 AM
EXHIBIT HALL: AVMA CE THEATER 1
Lone Star Tick: Risk to Dogs | Risk to Humans
Companion Animal Medicine
ID# 3023 CE: 1.00
Scott Commins, MD, PhD; Brian Herrin, DVM; Thomas Mather, PhD
Sponsored by Boehringer Ingelheim

7:00 AM - 7:50 AM
ROOM: AVMA CE THEATER 2
The Power of the Injectable to Impact the Patient the Client the Veterinary Team and the Practice
Practice Management
ID# 3054 CE: 1.00
Daniel Hebert, DVM
Sponsored by zoetis

(Sunday cont.)

Monday, July 24

7:00 AM - 7:50 AM
EXHIBIT HALL: AVMA CE THEATER 3
NSAIDs Past Present and Future Usage: The Facts Without the Hype
Companion Animal Medicine
ID# 3056 CE: 1.00
Steven Budsberg, DVM
Sponsored by zoetis

7:00 AM - 7:50 AM
ROOM: 133-135
Kidney Disease in Dogs and Cats: How to Make the Most Out of an Early Diagnosis
Companion Animal Medicine
ID# 3014 CE: 1.00
Jennifer Ogeer, DVM, MS, MBA
Sponsored by IDEXX

7:00 AM - 7:50 AM
ROOM: 130-132
Driving Client Compliance and Effortless Clinic Earnings
Practice Management
ID# 3053 CE: 0.00
Cori Dayton, DVM
Sponsored by zoetis

7:00 AM - 7:50 AM
ROOM: AVMA CE THEATER 2
The Power of the Injectable to Impact the Patient the Client the Veterinary Team and the Practice
Practice Management
ID# 3022 CE: 1.00
John Angus, DVM
Sponsored by zoetis
Refresher Sessions

Why take a break? Continue your learning in the Exhibit Hall on Sunday & Monday, July 23-24 during the afternoon break!

**Sunday, July 23**

3:00 – 4:30 PM  
**WVLDS Networking Event Co-hosted by AVMA**  
**Professional Development**  
ID# 3010  CE: 0.00  
**Sponsored by**

3:00 – 3:50 PM  
**ROOM: 130 – 132**  
**Putting the Pressure on Disease - Animal Hyperbaric Oxygen Therapy**  
**Companion Animal Medicine**  
ID# 3057  CE: 1.00  
**Dennis Geiser, DVM**  
**Sponsored by**

3:00 – 3:50 PM  
**EXHIBIT HALL: AVMA CE THEATER 1**  
**Nationwide® | Purdue Veterinary Price Index**  
**Practice Management**  
ID# 3002  CE: 1.00  
**Carol McConnell, DVM, MBA; Logan Jordan, PhD**  
**Sponsored by**

3:00 – 3:50 PM  
**EXHIBIT HALL: AVMA CE THEATER 2**  
**Con/fidently Go From Suspecting To Detecting: Test for Dogs with Leptospirosis**  
**Companion Animal Medicine**  
ID# 3011  CE: 1.00  
**Matthew Krecic, DVM, MS, MBA, DACVIM**  
**Sponsored by**

3:00 – 3:50 PM  
**EXHIBIT HALL: AVMA CE THEATER 3**  
**Connections Beyond the Leash: New Research in the Human-Animal Bond**  
**Companion Animal Medicine**  
ID# 3009  CE: 1.00  
**Maggie O’Haire, DVM; Heidi Hulon, DVM**  
**Sponsored by**

**Monday, July 24**

3:00 – 3:50 PM  
**EXHIBIT HALL: AVMA CE THEATER 1**  
**Canine Brachycephalic Breeds: Disease Incidence**  
**Companion Animal Medicine**  
ID# 3001  CE: 1.00  
**Carol McConnell, DVM, MBA**  
**Sponsored by**

3:00 – 3:50 PM  
**EXHIBIT HALL: AVMA CE THEATER 2**  
**Control the Itch Protect the Bond: Using Apoquel and Cytopoint for Allergic and Atopic Dermatitis in Dogs**  
**Companion Animal Medicine**  
ID# 3055  CE: 1.00  
**Andrew Hillier, BVSc, DACVD**  
**Sponsored by**

3:00 – 3:50 PM  
**EXHIBIT HALL: AVMA CE THEATER 3**  
**Canine Brachycephalic Breeds: Disease Incidence**  
**Companion Animal Medicine**  
ID# 3001  CE: 1.00  
**Carol McConnell, DVM, MBA**  
**Sponsored by**
## Companion Animal Medicine

<table>
<thead>
<tr>
<th>Anesthesiology/Pain Management</th>
<th>Cardiology</th>
<th>Clinical Genetics/Pathology</th>
<th>Emergency/Critical Care</th>
<th>Human-Animal Bond</th>
<th>Pharmacology</th>
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<td>Room 237-239</td>
<td>Room 240-242</td>
<td>Room 208-209</td>
<td>Room 202-203</td>
<td>Room 205-207</td>
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### Create Your Customized CE Schedule On The Go

**Download The Convention App!**

Download the Convention App to find the most up-to-date information on education and events. Browse education sessions and build your personalized convention agenda on your iPhone, iPad, or Android device.

**CE & Events**

View the CE sessions and events at the convention. When viewing an individual session:

- Choose "My Agenda" to add a session to your planned schedule.
- Once you have been to a CE session, choose "CE Credit" to add it to your CE Certificate.

**CE Certificates**

View the “CE Certificates” icon to email yourself your CE Certificate. Two types of CE Certificates are available:

1. Certificate of Attendance – includes your name and maximum hours of AVMA approved CE Credits.
2. Detailed CE Certificate – includes your name and lists each attended session title and total CE Credits.

### Lunch On Your Own - See Page 8

#### 1:00 PM

- **Peri-operative Use of Maropitant**
  Bonnie Kraus, DVM, DACVS, DACVAA
  ID# 1844 CE: 1.00

- **Case Studies in Canine Heart Disease**
  Meg Sleeper, VMD
  ID# 1735 CE: 1.00

- **Case Examples of Common Genetic Disorders**
  Kari Ekenstedt, DVM, Ph.D.
  ID# 1577 CE: 1.00

- **Anaphylaxis: Recognition & Treatment**
  Julie Walker, DVM, DACVECC
  ID# 1626 CE: 1.00

- **Providing Clarity to the Role of the Human-Animal Bond & Our Well-being**
  Kimberly Pope-Robinson, DVM, CCSP
  ID# 2211 CE: 1.00

- **Medical Cannabinoids**
  Dawn Boothe, DVM, PhD, DACVIM, DACVCP
  ID# 1549 CE: 1.00

#### 2:00 PM

- **Obesity & Anesthesia**
  Bonnie Kraus, DVM, DACVS, DACVAA
  ID# 1845 CE: 1.00

- **Treating Canine CHF**
  Meg Sleeper, VMD
  ID# 1736 CE: 1.00

- **What Breeds Are In My Mixed-breed Dog?**
  Kari Ekenstedt, DVM, Ph.D.
  ID# 1578 CE: 1.00

- **Transfusion Medicine: Patient Preparation, Product Selection & Administration, Part I**
  Julie Walker, DVM, DACVECC
  ID# 2187 CE: 1.00

- **Bonding Without Endangering Ourselves**
  Cynthia Krosky, CSP, LCSW
  ID# 2212 CE: 1.00

- **Multimodal Pain Control**
  Lara Maxwell, DVM, PhD, DACVCP
  ID# 1664 CE: 1.00

#### 3:00 PM

- **Anesthetic Management for Patients with Liver Disease**
  Bonnie Kraus, DVM, DACVS, DACVAA
  ID# 1846 CE: 1.00

- **At Home CHF Management**
  Meg Sleeper, VMD
  ID# 1737 CE: 1.00

- **3:00 PM – 4:50 PM**
  **Blood Smears & Complete Blood Counts**
  Eric Fish, DVM, DACVP
  ID# 1045 CE: 2.00

- **Transfusion Medicine: Recognizing & Treating Transfusion Reactions, Part II**
  Julie Walker, DVM, DACVECC
  ID# 2188 CE: 1.00

- **Triple B: Building a Balanced Bond**
  Kimberly Pope-Robinson, DVM, CCSP, Cynthia Krosky, CSP, LCSW
  ID# 2213 CE: 1.00

- **Immunomodulators for Autoimmune Diseases**
  Lara Maxwell, DVM, PhD, DACVCP
  ID# 1669 CE: 1.00

#### 4:00 PM

- **Multi-modal Pain Management**
  Bonnie Kraus, DVM, DACVS, DACVAA
  ID# 1847 CE: 1.00

- **Your Stethoscope Unplugged**
  Meg Sleeper, VMD
  ID# 1738 CE: 1.00

- **Transfusion Medicine: Case Discussions, Part III**
  Julie Walker, DVM, DACVECC
  ID# 2189 CE: 1.00

- **Leo Bustad Award Winner Lecture**
  Jody Sandler, DVM
  ID# 2717 CE: 1.00

- **Comparing Immunomodulators for the Therapy of Hypersensitivity**
  Lara Maxwell, DVM, PhD, DACVCP
  ID# 1671 CE: 1.00
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<th>Speaker(s)</th>
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<td>7:00 AM</td>
<td>LUNCH ON YOUR OWN - SEE PAGE 8</td>
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<td>10:00 AM</td>
<td>Laser Therapy in Veterinary Rehabilitation</td>
<td>Matthew Brunelle, DVM, CCRP, CVPP, CVA</td>
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<td>Positive Reinforcement to Improve Compliance</td>
<td>Lore Haug, DVM, MS, DACVB</td>
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<td>Physical Examination of Cattle</td>
<td>Allen Roussel, DVM, MS, DACVIM, DECBHM</td>
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<td>Resolving Every Day Nuisance Behaviors in Horses</td>
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<td>Trailer Loading in Horses: Positive Reinforcement Techniques</td>
<td>Lore Haug, DVM, MS, DACVB</td>
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<td>Interpretation of Clinical Laboratory Data</td>
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<td>Lung Ultrasound in Small Animals</td>
<td>Cynthia Otto, DVM, PhD, DACVECC</td>
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<td>Systematic Evaluation of Acute Lameness</td>
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<td>Stereotypies in Horses</td>
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<td>NSAIDS: What We Know</td>
<td>Matthew Brunelle, DVM, CCRP, CVPP, CVA</td>
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<td>Feline Thoracic Radiograph</td>
<td>Lorrie Gaschen, DVM, PhD, Dr.med.vet, DECVDI</td>
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<td>Four-Legged Officers: Police Dogs</td>
<td>Cynthia Otto, DVM, PhD, DACVECC</td>
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<td>Cytology in Cattle</td>
<td>Robert Callan, DVM, MS, PhD</td>
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<td>My Approach to the Infertile Mare</td>
<td>Carlos Pinto, DVM</td>
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<td>When Is a Ping Not a DA?</td>
<td>Robert Callan, DVM, MS, PhD</td>
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<td>Breeding Soundness Examination in a Mare</td>
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<td>8:00 AM</td>
<td>Discussion of Operational Continuation &amp; Valuation Models</td>
<td>The Macroeconomy Michael Dicks, PhD ID# 2621 CE: 1.00</td>
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<td>Lead Poisoning in Companion Animals: Water Crisis in Flint, MI</td>
<td>Market Share Michael Dicks, PhD ID# 2624 CE: 1.00</td>
<td>Implementing Strategies for Better Financial Performance Part I Karyn Gavzer, MBA, CVPM ID# 2304 CE: 1.00</td>
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<td>Lead Poisoning in Wildlife: Bald Eagles in Michigan</td>
<td>Budget From PIIMS &amp; Accounting Software Michael Dicks, PhD ID# 2626 CE: 1.00</td>
<td>Implementing Strategies for Better Financial Performance Part II Karyn Gavzer, MBA, CVPM ID# 2311 CE: 1.00</td>
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<tr>
<td>12:00 PM</td>
<td>LUNCH ON YOUR OWN</td>
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<td>Animal Cognition &amp; Ethical End of Life Decision-making Amir Shanan, DVM</td>
<td>Online Reputation Management Kimberly May, DVM, MS ID# 1771 CE: 1.00</td>
<td>1:00 PM – 4:50 PM Leading Through Birthgifts Gerelyn Henry, BS, DVM, MBA ID# 1656 CE: 4.00</td>
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<td>New World Screwworm in the Florida Keys Diane Kitchen, DVM, PhD</td>
<td>Strategies for Acquiring New Clients Dawn Burdette ID# 2630 CE: 1.00</td>
<td>Making the Most of Contract Negotiations Caroline Cantner, VMD, Will McCauley, DVM, MBA ID# 1450 CE: 1.00</td>
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<td>Seoul Virus Barbara Knust, DVM, MPH, DACVPM ID# 2701 CE: 1.00</td>
<td>Strategies for Increasing Wellness Compliance Dawn Burdette ID# 2631 CE: 1.00</td>
<td>Managing &amp; Staying on Top of Your Career Patricia Wohlfert-Bethke, DVM ID# 1201 CE: 1.00</td>
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<td>Grow A Better DVM - Organized Onboarding James DeLano, DVM ID# 2300 CE: 1.00</td>
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<td>Q&amp;A</td>
<td>D. Peltier; D. Burdette; T. O’Neil, CPA, CVA, B. Bain, PhD ID # 2332 CE: 1.00</td>
<td>Q&amp;A J. Trichel, DVM, O. McCafferty, CPA, CVPM, FACFEI, CFF, CGMA; K. Gavzer, MBA, CVPM; J. DeLano, DVM; M. Dicks, PhD ID # 2334 CE: 1.00</td>
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LUNCH ON YOUR OWN - SEE PAGE 8
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<tr>
<td>12:00 PM</td>
<td>Lunch on your own - See page 8</td>
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**Friday**

**PUBLIC AND CORPORATE PRACTICE**

| Preventive Medicine Room 232 | USDA NVAP Renewal Modules Room 231 |

**VETERINARY TECHNOLOGY**

| Anesthesiology/Behavior/Pain Management Room 142 | Dentistry Room 201 | Emergency/Critical Care Room 141 |

Track Sponsor: Hills Pet Nutrition, Inc.

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**7:00 AM**

- **Laboratory Diagnostics & Rabies Prophylaxis**
  - **Richard Franka, DVM**
  - **MPH PHD**
  - **ID# 1816 CE: 1.00**

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**8:00 AM**

- **NVAP Module 2**
  - **Angela Hines, DVM**
  - **ID# 1860 CE: 1.00**

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**9:00 AM**

- **Being a Positive Reinforcement Trainer**
  - **Alicea Schaeffer-Howell, RVT, VTS**
  - **ID# 1513 CE: 1.00**

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**10:00 AM**

- **ACIP Recommendations: Rabies Vaccination**
  - **Jesse Blanton, MPH**
  - **ID# 1814 CE: 1.00**

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**11:00 AM**

- **Bats in the Bedroom**
  - **Emily Pieracci, DVM, MPH, DACVP**
  - **ID# 1815 CE: 1.00**

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**12:00 PM**

- **Communicating Behavior in the Veterinary Hospital, Part I**
  - **Jennie Fiendish, CVT, VTS**
  - **ID# 1739 CE: 1.00**

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**1:00 PM**

- **Risk Factors for Suicide Among US Veterinarians**
  - **Renee Funk, DVM, MPH**
  - **ID# 1826 CE: 1.00**

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**2:00 PM**

- **Understanding Capnography: It’s Breathtaking!**
  - **Heidi Reuss-Lamky, LVT, VTS**
  - **ID# 1570 CE: 1.00**

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**3:00 PM**

- **Anesthesia Ventilators 101**
  - **Heidi Reuss-Lamky, LVT, VTS**
  - **ID# 1567 CE: 1.00**

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**4:00 PM**

- **Communicating Behavior to our Clients**
  - **Jennie Fiendish, CVT, VTS**
  - **ID# 1741 CE: 1.00**

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**5:00 PM**

- **Communicating Behavior in Difficult Situations**
  - **Jennie Fiendish, CVT, VTS**
  - **ID# 1742 CE: 1.00**
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<td>10:00 AM</td>
<td>First Do No Harm! Back to Basics</td>
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<td>11:00 AM</td>
<td>Rachel Poulin, RVT, VTS ID# 1010 CE: 1.00</td>
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<td>LUNCH ON YOUR OWN - SEE PAGE 8</td>
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<td>1:00 PM – 2:50 PM</td>
<td>Technicians Guide to Equine Nutrition: Back to Basics, Part I Danielle Morgan, RVT, VTS ID# 2176 CE: 2.00</td>
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<td>High Level Disinfection &amp; Sterilization Indicators Heidi Reuss-Lamky, LVT, VTS ID# 1050 CE: 1.00</td>
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<td>Got Gas? Sterilization with Ethylene Oxide Heidi Reuss-Lamky, LVT, VTS ID# 1049 CE: 1.00</td>
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<td>Special Considerations &amp; Conditions, Part II Danielle Morgan, RVT, VTS ID# 2177 CE: 1.00</td>
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<td>4:00 PM</td>
<td>Nutrition for Hospitalized or Acute Phase Patients, Part III Danielle Morgan, RVT, VTS ID# 2178 CE: 1.00</td>
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### Companion Animal Medicine

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<tr>
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<th>Room(s)</th>
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<tr>
<td>8:00 AM</td>
<td>How to Perform a Salpingohysterectomy on Birds</td>
<td>Cheryl Greenacre, DABVP-Avian, DABVP-ECM</td>
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<td>8:00 AM</td>
<td>Top 10 Fear Free Tips</td>
<td>Marty Becker, DVM</td>
<td>Room 244</td>
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<td>9:00 AM</td>
<td>Backyard Poultry Diseases: Diagnosis &amp; Treatment</td>
<td>Cheryl Greenacre, DABVP-Avian, DABVP-ECM</td>
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<td>10:00 AM</td>
<td>Canine Oral Health: Modalities &amp; Management</td>
<td>Christopher Snyder, DVM, DAVDC</td>
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<td>10:00 AM</td>
<td>To Drug or Not To Drug</td>
<td>Laurie Bergman, VMD</td>
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<td>Common Avian Emergencies</td>
<td>Cheryl Greenacre, DABVP-Avian, DABVP-ECM</td>
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<td>Medication Use in Backyard Poultry</td>
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<td>Drug Interaction Risks in Veterinary Behavior</td>
<td>Lynne Seibert, DVM, MS, PhD, DACVB</td>
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### Keynote Brunch
**10:00 AM - 12:00 PM**

### Visit the Exhibit Hall
**12:00 - 2:00 PM**

**Saturday**

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<td>How to Perform a Salpingohysterectomy on Birds</td>
<td>Cheryl Greenacre, DABVP-Avian, DABVP-ECM</td>
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<td>Top 10 Fear Free Tips</td>
<td>Marty Becker, DVM</td>
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<td>9:00 AM</td>
<td>Backyard Poultry Diseases: Diagnosis &amp; Treatment</td>
<td>Cheryl Greenacre, DABVP-Avian, DABVP-ECM</td>
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<td>Laurie Bergman, VMD</td>
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**Current Issues/Advances**

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### COMPANION ANIMAL MEDICINE

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<tr>
<th>Room 237-239</th>
<th>Room 208-209</th>
<th>Room 202-203</th>
<th>Room 244</th>
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<td><strong>DENTISTRY</strong></td>
<td><strong>EMERGENCY/CRITICAL CARE</strong></td>
<td><strong>GERIATRICS/SENIOR WELLNESS</strong></td>
<td><strong>NEUROLOGY/NEUROSURGERY</strong></td>
<td><strong>ONCOLOGY</strong></td>
<td><strong>PERSONAL/PROFESSIONAL DEVELOPMENT</strong></td>
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</table>
| **PERIODONTAL DISEASE**  
**Erin Vicari, VMD, DAVDC**  
ID# 1776  CE: 1.00 | Kirby’s Rule of 20,  
Part I  
**Adesola Odunayo, DVM, MS, DACVECC**  
ID# 1464  CE: 1.00 | Integration of Behavior & Medical Health Care of Senior Dogs  
**Marsha Reich, DVM, DACVB**  
ID# 2190  CE: 1.00 | **THYROID CARCINOMA**  
**Sandra Bechtel, DVM, DACVM**  
ID# 2192  CE: 1.00 |
| **TOOTH RESORPTION IN DOGS & CATS**  
**Erin Vicari, VMD, DAVDC**  
ID# 1777  CE: 1.00 | Kirby’s Rule of 20,  
Part II  
**Adesola Odunayo, DVM, MS, DACVECC**  
ID# 1465  CE: 1.00 | Integration of Behavior & Medical Health Care of Senior Cats  
**Marsha Reich, DVM, DACVB**  
ID# 2191  CE: 1.00 | **PHEOCHROMOCYTOMAS & ADRENAL CARCINOMAS**  
**Sandra Bechtel, DVM, DACVM**  
ID# 2193  CE: 1.00 |
| **APPRAISAL TO THE PATIENT IN RESPIRATORY DISTRESS**  
**Adesola Odunayo, DVM, MS, DACVECC**  
ID# 1481  CE: 1.00 | **GLUCOCORTICOIDS: TO BE OR NOT TO BE?**  
**Adesola Odunayo, DVM, MS, DACVECC**  
ID# 1476  CE: 1.00 | **APPRAISAL TO THE PATIENT IN RESPIRATORY DISTRESS**  
**Adesola Odunayo, DVM, MS, DACVECC**  
ID# 1481  CE: 1.00 | **INSULINOMAS**  
**Sandra Bechtel, DVM, DACVM**  
ID# 2194  CE: 1.00 |
| **TRAUMATIC BRAIN INJURY**  
**Adesola Odunayo, DVM, MS, DACVECC**  
ID# 1485  CE: 1.00 | **ASSESSING QUALITY OF LIFE**  
**Mary Gardner, DVM; Dani Mcvety, DVM**  
ID# 1270  CE: 1.00 | **APPROACH TO THE PATIENT IN RESPIRATORY DISTRESS**  
**Adesola Odunayo, DVM, MS, DACVECC**  
ID# 1481  CE: 1.00 | **PERIODONTAL DISEASE**  
**Erin Vicari, VMD, DAVDC**  
ID# 1776  CE: 1.00 |

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**KEYNOTE BRUNCH**

**10:00 AM - 12:00 PM**

**VISIT THE EXHIBIT HALL**

**12:00 - 2:00 PM**

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**Oral Tumors**  
**Erin Vicari, VMD, DAVDC**  
ID# 1778  CE: 1.00

**Snake Envenomation**  
**Adesola Odunayo, DVM, MS, DACVECC**  
ID# 1474  CE: 1.00

**Adding a Younger Pet to a Geriatric Pet Household**  
**Marsha Reich, DVM, DACVB**  
ID# 1679  CE: 1.00

**Insulinomas**  
**Sandra Bechtel, DVM, DACVM**  
ID# 2194  CE: 1.00

**Maxillofacial Trauma**  
**Erin Vicari, VMD, DAVDC**  
ID# 1779  CE: 1.00

**Glucocorticoids: To be or not to be?**  
**Adesola Odunayo, DVM, MS, DACVECC**  
ID# 1476  CE: 1.00

**3:00 PM - 4:50 PM**

**The Art of Euthanasia**  
**Mary Gardner, DVM; Dani Mcvety, DVM**  
ID# 1268  CE: 2.00

**Paraneoplastic Syndromes**  
**Sandra Bechtel, DVM, DACVM**  
ID# 2195  CE: 1.00

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**4:00 PM - 5:50 PM**

**Breaking Bad News**  
**Susan Ettinger, DVM, DACVIM; Andrew Roark, DVM**  
ID# 1233  CE: 2.00

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**5:00 PM**

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**Facebook.com/avmaconvention | #avmaconv**
<table>
<thead>
<tr>
<th>Time</th>
<th>Companion Animal Medicine</th>
<th>Food Animal/Equine</th>
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<tbody>
<tr>
<td>7:00 AM</td>
<td>Radiology/Imaging Room 245</td>
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<tr>
<td>8:00 AM</td>
<td>Radiography of Heart Disease in Dogs Lorrie Gaschen, DVM, PhD, Dr.med.vet, DECVDID# 1768 CE: 1.00</td>
<td>Parenteral Nutrition in Livestock Robert Collan, DVM, MS, PhD ID# 1724 CE: 1.00</td>
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<td>9:00 AM</td>
<td>Imaging Feline Abdomen Lorrie Gaschen, DVM, PhD, Dr.med.vet, DECVDID# 1250 CE: 1.00</td>
<td>Decision Making in Bovine Dystocia Robert Collan, DVM, MS, PhD ID# 1725 CE: 1.00</td>
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<td>10:00 AM</td>
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<td>Options for Hormone Therapy in Brood Mares Carlos Pinto, DVM ID# 2136 CE: 1.00</td>
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<td>Respiratory Distressed Cat Gregory Lisciandro, DVM, DABVP, DACVECID# 1717 CE: 1.00</td>
<td>Gallbladder Halo Sign &amp; Anaphylaxis Gregory Lisciandro, DVM, DABVP, DACVECID# 1721 CE: 1.00</td>
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<td>3:00 PM</td>
<td>*Urine Luck* There is an Easy Button for the Difficult Urine Sediment Analysis Jennifer Ogeer, DVM, MS, MBA ID# 3013 CE: 1.00</td>
<td>Radiographic Pulmonary Patterns in the Cat Lorrie Gaschen, DVM, PhD, Dr.med.vet, DECVDID# 1253 CE: 1.00</td>
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<td>GFAST Ultrasound for Monitoring Gregory Lisciandro, DVM, DABVP, DACVECID# 1732 CE: 1.00</td>
<td>Sonographic Features of the Feline Abdomen Lorrie Gaschen, DVM, PhD, Dr.med.vet, DECVDID# 1255 CE: 1.00</td>
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<td>GFAST for CPR &amp; ALS Gregory Lisciandro, DVM, DABVP, DACVECID# 1731 CE: 1.00</td>
<td>Taking Medicine to the Streets Jon Geller, DVM, DABVP ID# 1542 CE: 1.00</td>
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**KEYNOTE BRUNCH**  
10:00 AM - 12:00 PM

**VISIT THE EXHIBIT HALL**  
12:00 - 2:00 PM
<table>
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<th>Small Ruminant</th>
<th>Hot Topics</th>
<th>Practice Management</th>
<th>Finance</th>
<th>Practice Profitability Level 1</th>
<th>Strategies</th>
<th>Future Leaders Symposia</th>
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<td>Keynote Brunch 10:00 AM - 12:00 PM</td>
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<td>Using Strategic Planning SWOT Analysis, Part I</td>
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<td>Deborah Peltier; Seth Vrendenburg, DVM; Abel Gonzalez, DVM</td>
<td>Karyn Gavzer, MBA, CVPM</td>
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<td>Veterinary Practice Culture Part I</td>
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<td>Jennifer Buur, DVM; DVM, DACVCP, PhD</td>
<td>Deborah Peltier; Seth Vrendenburg, DVM; Abel Gonzalez, DVM</td>
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<td>Saturday</td>
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<td>PROFESSIONAL DEVELOPMENT</td>
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<td>PUBLIC AND CORPORATE PRACTICE</td>
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<td>CAREER OPTIONS</td>
<td>CURRENT ISSUES/ADVANCES</td>
<td>EARLY CAREER</td>
<td>LEADERSHIP</td>
<td>PERSONAL GROWTH</td>
<td>ANIMAL WELFARE</td>
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<td>7:00 AM</td>
<td>ROOM 136</td>
<td>ROOM 233</td>
<td>ROOM 236</td>
<td>ROOM 137</td>
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<td>ROOM 234</td>
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| 8:00 AM | Self Assessment for Career Change  
Gary Vroegindewey, DVM, MSS, DACVPM  
ID# 2202  CE: 1.00 | Working With a Veterinary Recruiter  
Stacy Pursell, CPC, CERS  
ID# 1448  CE: 1.00 | The “C” Word: Making Change Less Scary  
Bridget Heilsberg, DVM  
ID# 1675  CE: 1.00 | Curing the Curable: Ectoparasites  
Valerie Fadok, DVM, PhD, DACVD  
ID# 1806  CE: 1.00 |
| 9:00 AM | Your Brand: Veterinary Portfolio Building  
Valerie Ragan, DVM  
ID# 2203  CE: 1.00 | Panel Discussion: Fix the Debt Initiative Update  
See Convention App for Speakers  
ID# 1688  CE: 1.00 | Overlooked Career Opportunities  
Stacy Pritt, DVM, MS, MBA, CPA, DACAW  
ID# 1447  CE: 1.00 | Mental Health & Suicide Prevention  
Jason Sweitzer, BS, RVT, DVM  
ID# 1748  CE: 1.00 | Curing the Curable: Cutaneous Infections  
Valerie Fadok, DVM, PhD, DACVD  
ID# 1802  CE: 1.00 |
| 10:00 AM |  |  |  |  |  |
| 11:00 AM |  |  |  |  |  |
| 12:00 PM |  |  |  |  |  |

**KEYNOTE BRUNCH**  
10:00 AM - 12:00 PM

**VISIT THE EXHIBIT HALL**  
12:00 - 2:00 PM

| 2:00 PM | Veterinary, Inc.: Corporate & Industry Careers  
Detra Nickelson, DVM  
ID# 2204  CE: 1.00 | Leadership, Success & the Happiness Quotient  
Julie Kumble, M.Ed.  
ID# 1311  CE: 2.00 | Recognizing the Uncurable: Allergic Dermatitis  
Valerie Fadok, DVM, PhD, DACVD  
ID# 1803  CE: 1.00 |
| 3:00 PM | Uncle Sam Wants You: Government Careers  
Bess Pierce, DVM, DABVP, DACvim, DACVSMR  
ID# 2205  CE: 1.00 | Skin is on the Outside: Topical Therapy  
Valerie Fadok, DVM, PhD, DACVD  
ID# 1805  CE: 1.00 |
| 4:00 PM | Mining for Gold: Finding the Perfect Position  
Patricia Wohlfert-Bethke, DVM, Stacy Pursell, CPC, CERS  
ID# 2206  CE: 1.00 | Choose Success Response Instead of Stress Response  
Michael Murray, DVM, MS, DACVIM, CPC  
ID# 1781  CE: 1.00 | Validity & Reproducibility of Shelter Behavior Assessments  
Jessica Hekman, DVM, MS  
ID# 1804  CE: 1.00 |
| 5:00 PM | Your Life on Paper: Resume Writing  
Valerie Ragan, DVM  
ID# 2207  CE: 1.00 | Caring Empathy vs Compassion in Practice  
Michael Murray, DVM, MS, DACVIM, CPC  
ID# 1780  CE: 1.00 | Validity & Reproducibility of Shelter Behavior Assessments  
Jessica Hekman, DVM, MS  
ID# 1807  CE: 1.00 |
## PUBLIC AND CORPORATE PRACTICE

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<tr>
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<td>USDA NVAP RENEWAL MODULES</td>
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<tr>
<td>8:00 AM</td>
<td>232</td>
<td>PREVENTIVE MEDICINE</td>
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<tr>
<td>9:00 AM</td>
<td>233</td>
<td>DISASTER PREPAREDNESS</td>
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<tr>
<td>10:00 AM</td>
<td>234</td>
<td>COMPARATIVE MEDICINE</td>
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<td>11:00 AM</td>
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<td>CURRENT ISSUES/ADVANCES</td>
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### COMPARATIVE MEDICINE
- **ROOM 233**
  - VFDs & Prescriptions for Honebees: Putting It All Together, Part IV
    - Christopher Cripps, DVM
    - ID# 1756  CE: 2.00
  - Large Animal Evacuation & Sheltering
    - Venessa Sims, MEP
    - ID# 1619  CE: 1.00
  - Occupational Exposures to Enteric Pathogens
    - John Gibbins, DVM
    - ID# 1884  CE: 1.00

### CURRENT ISSUES/ADVANCES
- **ROOM 236**
  - Fire-related Injuries
    - Dorothy Black, DVM, MPVM, DACVECC
    - ID# 1608  CE: 1.00
  - Goat-associated E.coli Outbreak
    - Mark Laughlin, DVM, MPH-VPH, DACVPM
    - ID# 1867  CE: 1.00

### DISASTER PREPAREDNESS
- **ROOM 235**
  - The Art of Triage
    - Dorothy Black, DVM, MPVM, DACVECC
    - ID# 1606  CE: 1.00
  - Treating Disaster-related Trauma
    - Dorothy Black, DVM, MPVM, DACVECC
    - ID# 1610  CE: 1.00

### PREVENTIVE MEDICINE
- **ROOM 232**
  - Enteric Disease Surveillance
    - Bryan Buss, DVM, MPH, DACVPM
    - ID# 1822  CE: 1.00
  - Goat-associated E.coli Outbreak
    - Mark Laughlin, DVM, MPH-VPH, DACVPM
    - ID# 1823  CE: 1.00

### USDA NVAP RENEWAL MODULES
- **ROOM 231**
  - NVAP Module 6
    - Fidelis Hegngi, DVM, MS
    - ID# 1862  CE: 1.00
  - NVAP Module 7
    - Frank Wilson, DVM
    - ID# 1863  CE: 1.00

### KEYNOTE BRUNCH
- **10:00 AM - 12:00 PM**

### VISIT THE EXHIBIT HALL
- **12:00 - 2:00 PM**

## Saturday

- **7:00 AM**
  - USDA NVAP RENEWAL MODULES
- **8:00 AM**
  - PREVENTIVE MEDICINE
- **9:00 AM**
  - DISASTER PREPAREDNESS
- **10:00 AM**
  - COMPARATIVE MEDICINE
- **11:00 AM**
  - CURRENT ISSUES/ADVANCES
- **12:00 PM**
  - Preventive Medicine
- **2:00 PM**
  - USDA NVAP RENEWAL MODULES
- **3:00 PM**
  - USDA NVAP RENEWAL MODULES
- **4:00 PM**
  - USDA NVAP RENEWAL MODULES
- **5:00 PM**
  - USDA NVAP RENEWAL MODULES
## Saturday

### VETERINARY TECHNOLOGY

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<th>ENDOCRINOLOGY</th>
<th>EQUINE</th>
<th>GASTROENTEROLOGY</th>
<th>PERSONAL/PROFESSIONAL DEVELOPMENT</th>
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<td>8:00 AM</td>
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<td>Urinary Catheters Made Easy</td>
<td></td>
<td>8:00 AM – 9:50 AM Vomiting, Diarrhea, Anorexia</td>
<td>Managing Conflict within the Team</td>
<td></td>
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<td>Amy Newfield, CVT, VTS (ID# 1394 CE: 1.00) ROOM 142</td>
<td>Rachel Poulin, RVT, VTS (ID# 1008 CE: 2.00)</td>
<td>Melissa Supernor, CVT, CFE, VTS (ID# 1631 CE: 1.00)</td>
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<tr>
<td>9:00 AM</td>
<td>Seizures!</td>
<td></td>
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<td>Bullying within the Veterinary Team</td>
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<td>Amy Newfield, CVT, VTS (ID# 1393 CE: 1.00) ROOM 142</td>
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<td>Melissa Supernor, CVT, CFE, VTS (ID# 1634 CE: 1.00)</td>
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<td>10:00 AM</td>
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<td>11:00 AM</td>
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<tr>
<td>12:00 PM</td>
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</tbody>
</table>

**KEYNOTE BRUNCH**

10:00 AM - 12:00 PM

**VISIT THE EXHIBIT HALL**

12:00 - 2:00 PM

**Creating a Full Service Mental Health Care Team for Pets**

Julie Shaw, KPA CTP, RVT, VTS (ID# 1692 CE: 1.00)

**Diabetes Mellitus, Part I**

Rachel Poulin, RVT, VTS (ID# 2171 CE: 1.00)

**Equine Emergencies: Abdominal Aggravation, Part I**

Danielle Morgan, RVT, VTS (ID# 2179 CE: 1.00)

**Managing Conflict within the Team**

Melissa Supernor, CVT, CFE, VTS (ID# 1631 CE: 1.00)

**Urinary Catheters Made Easy**

Amy Newfield, CVT, VTS (ID# 1394 CE: 1.00)

**Diabetes Mellitus, Part II**

Rachel Poulin, RVT, VTS (ID# 2172 CE: 1.00)

**Equine Emergencies: Lacerations, Lameness & Lousy Luck, Part II**

Danielle Morgan, RVT, VTS (ID# 2180 CE: 1.00)

**Seizures!**

Amy Newfield, CVT, VTS (ID# 1393 CE: 1.00)

**Diabetes Mellitus, Part III**

Rachel Poulin, RVT, VTS (ID# 2173 CE: 1.00)

**Equine Emergencies: Everything Else You Can Envision, Part III**

Danielle Morgan, RVT, VTS (ID# 2181 CE: 1.00)

**Decreasing Stress in Your Patients**

Julie Shaw, KPA CTP, RVT, VTS (ID# 1693 CE: 1.00)

**The Technician’s Role in Disaster Relief**

Amy Newfield, CVT, VTS (ID# 1397 CE: 1.00)

**Cooperative Care: The Future is Here!**

Julie Shaw, KPA CTP, RVT, VTS (ID# 1695 CE: 1.00)

**Managing ConFLICT within the Team**

Melissa Supernor, CVT, CFE, VTS (ID# 1631 CE: 1.00)

**Bullying within the Veterinary Team**

Melissa Supernor, CVT, CFE, VTS (ID# 1634 CE: 1.00)

**Creating a Full Service Mental Health Care Team for Pets**

Julie Shaw, KPA CTP, RVT, VTS (ID# 1692 CE: 1.00)

**The Technician’s Role in Disaster Relief**

Amy Newfield, CVT, VTS (ID# 1397 CE: 1.00)
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
<th>ID#</th>
<th>CE</th>
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<tr>
<td>7:00</td>
<td>Injectables for Chronic Pain</td>
<td>Michael Petty, DVM</td>
<td>2119</td>
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<td>8:00</td>
<td>Myofascial Pain &amp; Degenerative Joint Disease</td>
<td>Michael Petty, DVM</td>
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<td>9:00</td>
<td>Updates in Chronic Pain Management</td>
<td>Michael Petty, DVM</td>
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<td>10:00</td>
<td>Long Acting Opioid Formulations</td>
<td>Pedro Boscan, DVM, MSc, PhD, DACVAA</td>
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<td>Vaccines &amp; Immunosuppression in Backyard Poultry, Part IV</td>
<td>Patricia Wakenell, DVM</td>
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<td>Pain Management for DJD</td>
<td>Pedro Boscan, DVM, MSc, PhD, DACVAA</td>
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<td>Biosecurity &amp; the Backyard Bird, Part V</td>
<td>Patricia Wakenell, DVM</td>
<td>2200</td>
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<td>11:00</td>
<td>Multimodal Analgesia for Exotic Companion Mammals</td>
<td>Angela Lennox, DVM, DABVP, ECZM</td>
<td>1622</td>
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<td>Elective Surgeries in Exotic Mammals</td>
<td>Angela Lennox, DVM, DABVP, ECZM</td>
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<td>Euthanasia: No-Kill Shelter</td>
<td>Jeannine Berger, DVM, DACVB, DACAW, CAWA</td>
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<td>Diagnosing &amp; Treating Respiratory Distress</td>
<td>Daniel Fletcher, PhD, DVM, DACVECC</td>
<td>1618</td>
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<td>1:00</td>
<td>Feline Extractions Made Easier</td>
<td>Kristin Bannon, DVM, FAVD, DAVDC</td>
<td>1714</td>
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<td>2:00</td>
<td>Visiting the Exhibit Hall/AVMA Poster Presentations</td>
<td>Kristin Bannon, DVM, FAVD, DAVDC</td>
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<td>3:00</td>
<td>Pain &amp; Quality of Life</td>
<td>Pedro Boscan, DVM, MSc, PhD, DACVAA</td>
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<td>Canine Behavioral Genetics</td>
<td>Jessica Hekman, DVM, MS</td>
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<td>CPR: Everyone Should be an Expert</td>
<td>Daniel Fletcher, PhD, DVM, DACVECC</td>
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<td>Euthanasia &amp; End of Life in the ER</td>
<td>Katherine Goldberg, DVM</td>
<td>1600</td>
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<td>4:00</td>
<td>Panel Discussion: Pain Cases</td>
<td>M. Petty, DVM, M. Brunke, DVM, CCRP, CVP, CVA, P. Boscan, DVM, MSc, PhD, DACVAA</td>
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<td>5:00</td>
<td>Welfare of Training Techniques</td>
<td>Kersti Seksel, DVM</td>
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<td>Effusions &amp; In-house Fluid Analysis</td>
<td>Kim Buck, DVM, DABVP</td>
<td>1176</td>
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**COMPANION ANIMAL MEDICINE**

**ANESTHESIOLOGY/PAIN MANAGEMENT**

ROOM 205-207

**AVIAN**

ROOM 245

**AVIAN/EXOTIC/ZOOLOGICAL**

ROOM 244

**BEHAVIOR**

ROOM 202-203

**DENTISTRY/EMERGENCY**

ROOM 237-239/243

**EMERGENCY/CRITICAL CARE**

ROOM 244

**LUNCH/EXHIBIT HALL BREAK**

11:00 AM - 1:00 PM

**VISIT THE EXHIBIT HALL/AVMA POSTER PRESENTATIONS**

3:00 - 4:00 PM
## Sunday

### Companion Animal Medicine

| Time  | Section                                      | Room         | Speaker(s)                                                                                     | ID#  | CE  |
|-------|----------------------------------------------|--------------|------------------------------------------------------------------------------------------------|
| 7:00 AM | Emergency/Critical Care                     | Room 237-239 | Feline Interstitial Cystitis  
Elizabeth Colleran, DVM, MS DABVP  
ID# 1192  CE: 1.00 |     |     |
| 8:00 AM | Feline                                       | Room 240-242 | Cats Don’t Limp  
Elizabeth Colleran, DVM, MS DABVP  
ID# 1217  CE: 1.00 |     |     |
| 9:00 AM | Oncology                                     | Room 245     | Practical Tips for Chemotherapy Patients  
Susan Ettinger, DVM, DACVIM  
ID# 1231  CE: 1.00 |     |     |
| 10:00 AM | Feline                                       | Room 240-242 | How to Talk to Clients About Cancer  
Susan Ettinger, DVM, DACVIM  
ID# 1232  CE: 1.00 |     |     |
| 11:00 AM | LUNCH/EXHIBIT HALL BREAK                    |              |                                                                                                |     |     |
| 1:00 PM  | Feline Lower Airway Disease                 |              | Feline Lower Airway Disease  
Elizabeth Colleran, DVM, MS DABVP  
ID# 1219  CE: 1.00 |     |     |
| 2:00 PM  | Oncology                                     |              | Old Thin Cats: Is it Just Old Age?  
Elizabeth Colleran, DVM, MS DABVP  
ID# 1220  CE: 1.00 |     |     |
| 3:00 PM  | Oncology                                     |              | Osteosarcoma Survival Guide  
Susan Ettinger, DVM, DACVIM  
ID# 1235  CE: 1.00 |     |     |
| 1:00 PM  | Oncology                                     | Room 208-209 | Canine Lymphoma: Review & What’s New  
Susan Ettinger, DVM, DACVIM  
ID# 1234  CE: 1.00 |     |     |
| 2:00 PM  | Oncology                                     | Room 208-209 | Sudden Blindness  
Amy Rankin, DVM, MS, DACVO  
ID# 1503  CE: 1.00 |     |     |
| 3:00 PM  | Oncology                                     | Room 208-209 |  |     |

### Visit the Exhibit Hall/AVMA Poster Presentations

| Time  | Section                                      | Room         | Speaker(s)                                                                                     | ID#  | CE  |
|-------|----------------------------------------------|--------------|------------------------------------------------------------------------------------------------|
| 4:00 PM | Emergency Management of Hemolytic Anemia    | Room 237-239 | Feline Diabetes Mellitus  
Catharine Scott-Moncrieff, DACVIM-SA  
ECVIM  
ID# 2167  CE: 1.00 |     |     |
| 5:00 PM | Feline GI Lymphoma                           | Room 208-209 | Feline Lower Airway Disease  
Elizabeth Colleran, DVM, MS DABVP  
ID# 1192  CE: 1.00 |     |     |
| 6:00 PM | Lumps & Bumps: Principles of Surgical       |              | Update on Management of Feline Hyperthyroidism  
Catharine Scott-Moncrieff, DACVIM-SA  
ECVIM  
ID# 2166  CE: 1.00 |     |     |
| 7:00 PM | Feline Gl Lymphoma                           |              | Lumps & Bumps: Principles of Surgical Management  
Vincent Wavreille, DVM, MS, MRCVS, DACVIM-SA  
ID# 1645  CE: 1.00 |     |     |
| 8:00 PM | Feline GI Lymphoma                           |              | Feline Gl Lymphoma  
Susan Ettinger, DVM, DACVIM  
ID# 1236  CE: 1.00 |     |     |
| 9:00 PM | Feline GI Lymphoma                           |              | 7 Essential Tips for Splenic Masses  
Susan Ettinger, DVM, DACVIM  
ID# 1238  CE: 1.00 |     |     |
| 10:00 PM | Feline Gl Lymphoma                           |              |  |     |

### Venue Details

- **Emergency/Critical Care**: Room 237-239
- **Endocrinology**: Room 240-242
- **Feline**: Room 240-242
- **Oncology**: Room 245
- **Oncology**: Room 208-209
- **Ophthalmology**: Room 202-203

**会展程序 | avmaconvention.org**
### COMPANION ANIMAL MEDICINE

<table>
<thead>
<tr>
<th>POCKET PETS &amp; RABBITS</th>
<th>REFRESHER SESSION</th>
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<th>SUNRISE CE</th>
<th>SUNRISE CE</th>
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<td>ROOM 243</td>
<td>AVMA CE THEATER 2</td>
<td>AVMA CE THEATER 3</td>
<td>ROOM 133-135</td>
<td>THEATER 1</td>
<td>THEATER 3</td>
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- **Reproductive Diseases of Rabbiths & Rodents**<br>Cheryl Greenacre, DABVP-Avian, DABVP-ECM<br>ID# 1337 CE: 1.00
- **Spaying and Neutering of Rabbiths & Rodents**<br>Cheryl Greenacre, DABVP-Avian, DABVP-ECM<br>ID# 1338 CE: 1.00
- **Exotic Companion Mammal Respiratory Diseases**<br>Cheryl Greenacre, DABVP-Avian, DABVP-ECM<br>ID# 1339 CE: 1.00
- **Kidney Disease in Dogs & Cats: How to Make the Most Out of an Early Diagnosis**<br>Jennifer Oige, DVM, MS, MBA<br>ID# 3014 CE: 1.00
- **Lone Star Tick: Risk to Dogs/Risk to Humans**<br>Scott Commins, MD, PhD; Brian Herrin, DVM; Thomas Mather, PhD<br>ID# 3023 CE: 1.00
- **Control the Itch, Protect the Bond: Using Apoquel & Cytopoint for Allergic & Atopic Dermatitis in Dogs**<br>Andrew Hillier, BVSc, DACVD<br>ID# 3055 CE: 1.00
- **Connections Beyond the Leash: New Research in the Human-Animal Bond**<br>Maggie O’Haire, DVM; Heidi Hulon, DVM<br>ID# 3009 CE: 1.00
- **NSAIDs Past, Present & Future Usage: The Facts Without the Hype**<br>Steven Budsberg, DVM<br>ID# 3056 CE: 1.00

#### LUNCH/EXHIBIT HALL BREAK

**11:00 AM - 1:00 PM**

- **Torticollis in Rabbits: Causes, Diagnosis & Treatment**<br>Cheryl Greenacre, DABVP-Avian, DABVP-ECM<br>ID# 1341 CE: 1.00

#### VISIT THE EXHIBIT HALL

**3:00 - 4:00 PM**

- **Control the Itch, Protect the Bond: Using Apoquel & Cytopoint for Allergic & Atopic Dermatitis in Dogs**<br>Andrew Hillier, BVSc, DACVD<br>ID# 3055 CE: 1.00
- **Connections Beyond the Leash: New Research in the Human-Animal Bond**<br>Maggie O’Haire, DVM; Heidi Hulon, DVM<br>ID# 3009 CE: 1.00
### Sunday

#### 7:00 AM
- VISIT THE EXHIBIT HALL
- LUNCH/EXHIBIT HALL BREAK

#### 8:00 AM
- AQUATIC
  - ROOM 235
- BOVINE
  - ROOM 211
- OPHTHALMOLOGY
  - ROOM 211
- SMALL RUMINANT
  - ROOM 210

#### 9:00 AM
- GOLD FISH MEDICINE & SURGERY
  - ROOM 210
- AQUATIC
  - ROOM 235
- BOVINE
  - ROOM 211
- OPHTHALMOLOGY
  - ROOM 211
- SMALL RUMINANT
  - ROOM 210

#### 10:00 AM
- AQUATIC
  - ROOM 235
- BOVINE
  - ROOM 211
- OPHTHALMOLOGY
  - ROOM 211
- SMALL RUMINANT
  - ROOM 210

#### 11:00 AM
- AQUATIC
  - ROOM 235
- BOVINE
  - ROOM 211
- OPHTHALMOLOGY
  - ROOM 211
- SMALL RUMINANT
  - ROOM 210

### LUNCH/EXHIBIT HALL BREAK
**11:00 AM - 1:00 PM**

#### 1:00 PM
- Surgical Techniques in Koi & Goldfish
  - Jesse Sanders, DVM, CertAquV
  - ID# 1154 CE: 1.00
- Improving Equine Ophthalmic Exams in the Field
  - Wendy Townsend, DACVO
  - ID# 2138 CE: 1.00
- Small Ruminant Problems to Avoid
  - Patty Scharko, DVM, MPH, DACVPM
  - ID# 1842 CE: 1.00
- Do Not Disturb!! Surviving Shift Work in the Veterinary Field
  - Danielle Morgan, RVT, VTS
  - ID# 2294 CE: 1.00

#### 2:00 PM
- Koi Medicine & Surgery: Advanced Topics
  - Jesse Sanders, DVM, CertAquV
  - ID# 1001 CE: 1.00
- Managing BVD Virus
  - Maurice Givens, DVM, PhD
  - ID# 1763 CE: 1.00
- Internal Parasite Control in Goats & Sheep
  - Patty Scharko, DVM, MPH, DACVPM
  - ID# 1843 CE: 1.00
- Impacts of the Wildfires in the Great Plains
  - Randall Spare, DVM
  - ID# 2622 CE: 1.00

#### 3:00 PM
- Oral Foreign Bodies in Koi
  - Julius Tepper, DVM, CertAquV
  - ID# 1263 CE: 1.00
- Controlling BVD in Cattle
  - Maurice Givens, DVM, PhD
  - ID# 1764 CE: 1.00
- Effects of Trace Minerals on Goat Health
  - Patty Scharko, DVM, MPH, DACVPM
  - ID# 1827 CE: 1.00
- How Does Telehealth Work in Veterinary Medicine?
  - See Convention App for Speakers
  - ID# 1468 CE: 2.00

#### 4:00 PM
- Skin Lesions in Freshwater Fish
  - Sharon Tiberio, DVM, CertAquV
  - ID# 1715 CE: 1.00
- Vaccinating Programs for Bovine Reproductive Diseases
  - Maurice Givens, DVM, PhD
  - ID# 1765 CE: 1.00
- Backyard Goat & Sheep 101
  - Fauna Smith, DVM
  - ID# 1831 CE: 1.00
- Vaccinating Programs for Bovine Reproductive Diseases
  - Maurice Givens, DVM, PhD
  - ID# 1765 CE: 1.00

### VISIT THE EXHIBIT HALL
**3:00 - 4:00 PM**

#### 4:00 PM
- Effects of Trace Minerals on Goat Health
  - Patty Scharko, DVM, MPH, DACVPM
  - ID# 1827 CE: 1.00
- How Does Telehealth Work in Veterinary Medicine?
  - See Convention App for Speakers
  - ID# 1468 CE: 2.00

#### 5:00 PM
- Backyard Goat & Sheep 101
  - Fauna Smith, DVM
  - ID# 1831 CE: 1.00
- Vaccinating Programs for Bovine Reproductive Diseases
  - Maurice Givens, DVM, PhD
  - ID# 1765 CE: 1.00

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**Room Assignments:**
- AQUATIC: ROOM 235
- BOVINE: ROOM 211
- OPHTHALMOLOGY: ROOM 211
- SMALL RUMINANT: ROOM 210
- FINANCE: ROOM 143
- ROOM 138-139
- ROOM 140
- ROOM 141
- ROOM 142
- ROOM 143

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**Events:**
- **Surgical Techniques in Koi & Goldfish:** Jesse Sanders, DVM, CertAquV
- **Improving Equine Ophthalmic Exams in the Field:** Wendy Townsend, DACVO
- **Small Ruminant Problems to Avoid:** Patty Scharko, DVM, MPH, DACVPM
- **Do Not Disturb!! Surviving Shift Work in the Veterinary Field:** Danielle Morgan, RVT, VTS
- **Koi Medicine & Surgery: Advanced Topics:** Jesse Sanders, DVM, CertAquV
- **Managing BVD Virus:** Maurice Givens, DVM, PhD
- **Internal Parasite Control in Goats & Sheep:** Patty Scharko, DVM, MPH, DACVPM
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- **Oral Foreign Bodies in Koi:** Julius Tepper, DVM, CertAquV
- **Controlling BVD in Cattle:** Maurice Givens, DVM, PhD
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- **How Does Telehealth Work in Veterinary Medicine?** See Convention App for Speakers
- **Skin Lesions in Freshwater Fish:** Sharon Tiberio, DVM, CertAquV
- **Vaccinating Programs for Bovine Reproductive Diseases:** Maurice Givens, DVM, PhD
- **Backyard Goat & Sheep 101:** Fauna Smith, DVM

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**Contact:**
For more information, visit [avmaconvention.org](http://avmaconvention.org) or contact the AVMA Convention Program Office at 1-800-AVMA-2000.
# PRACTICE MANAGEMENT

### LUNCH/EXHIBIT HALL BREAK

**11:00 AM - 1:00 PM**

**VISIT THE EXHIBIT HALL**

**3:00 - 4:00 PM**

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<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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| 1:00 PM - 2:50 PM | The Ins & Outs of Selling Your Practice  
Gary Glassman, CPA  
ID# 2307 CE: 2.00 |
| 2:00 PM    | Finding the Middle Ground  
Jessica Trichel, DVM; Brian Faust; Gary Glassman, CPA  
ID# 2619 CE: 2.00 |
| 3:00 PM    | The Power of the Injectable to Impact the Patient, the Client, the Veterinary Team & the Practice  
Daniel Herbert, DVM  
ID# 3054 CE: 1.00 |
| 4:00 PM    | Top Ten Operational Problems from Case Studies  
Jeff Sanford, MBA  
ID# 2303 CE: 2.00 |
| 4:00 PM - 5:50 PM | Top Ten Operational Problems from Case Studies  
Jeff Sanford, MBA  
ID# 2303 CE: 2.00 |
| 5:00 PM    | The Power of the Injectable to Impact the Patient, the Client, the Veterinary Team & the Practice  
Daniel Herbert, DVM  
ID# 3054 CE: 1.00 |

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<table>
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</table>
| AVMA CE THEATER 1 | See Your Practice Through Their Eyes  
Shelley Johnson, CVPM  
ID# 2308 CE: 1.00 |
| AVMA CE THEATER 2 | Hiring Horror Stories!  
Monica Dixon Perry, CVMP  
ID# 2314 CE: 1.00 |
| AVMA CE THEATER 2 | Client Experience Success Tipping Points  
Shelley Johnson, CVPM  
ID# 2309 CE: 1.00 |
| AVMA CE THEATER 2 | Top Legal Aspects You Should Know Before You Hire  
Monica Dixon Perry, CVMP  
ID# 2315 CE: 1.00 |
| AVMA CE THEATER 2 | Mandatory Team Checkpoints: Excellent Client & Patient Experiences  
Shelley Johnson, CVPM  
ID# 2310 CE: 1.00 |
| AVMA CE THEATER 2 | A Road Map To Success  
Monica Dixon Perry, CVMP  
ID# 2316 CE: 1.00 |

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**Nationwide® | Purdue Veterinary Price Index**

Carol McConnell, DVM, MBA; Logan Jordan, PhD  
ID# 3002 CE: 1.00
### Sunday

#### 8:00 AM
- **9:00 AM – 11:50 AM**
  - **We’re at a Tipping Point: Believe You Can Achieve**
    - Karen Felsted, DVM, MS, CPA, CVPM, CPA; Karyn Gavzer, MBA, CVPM
    - ID# 3006 CE: 3.00

#### 10:00 AM
- **Mindfulness & Meditation Practice**
  - Marie Holowaychuk, DVM, DACVECC
  - ID# 2215 CE: 1.00
  - Designing & Implementing a Self-Care Plan for Veterinary Professionals
  - Marie Holowaychuk, DVM, DACVECC
  - ID# 2216 CE: 1.00

#### 11:00 AM
- **LUNCH/EXHIBIT HALL BREAK**
  - 11:00 AM - 1:00 PM

#### 1:00 PM
- **Coping with On-Call & Shift Work**
  - Marie Holowaychuk, DVM, DACVECC
  - ID# 2401 CE: 1.00
- **Prepare Before You Speak**
  - Carolyn Shadle, PhD; John Meyer, PhD
  - ID# 1020 CE: 1.00

#### 2:00 PM
- **Barriers to Effective Communication**
  - Carolyn Shadle, PhD; John Meyer, PhD
  - ID# 1022 CE: 1.00
- **Creating a Culture of Wellness**
  - Marie Holowaychuk, DVM, DACVECC
  - ID# 2402 CE: 1.00

#### 3:00 PM
- **VISIT THE EXHIBIT HALL**
  - 3:00 - 4:00 PM

#### 4:00 PM
- **Mental Health Stressors in LGBT+ DVM Workforce**
  - Michael Chaddock, DVM, EML
  - ID# 1371 CE: 1.00
- **How Do You Define Your Brand?**
  - Carolyn Shadle, PhD; John Meyer, PhD
  - ID# 1023 CE: 1.00

#### 5:00 PM
- **Stress is Not a Four Letter Word**
  - John Jacobson, DVM, PhD
  - ID# 1579 CE: 1.00
- **Establishing Standards for Breeding Dog Welfare**
  - Candace Croney, PhD
  - ID# 1879 CE: 1.00
PUBLIC AND CORPORATE PRACTICE

**CURRENT ISSUES/ADVANCES**
ROOM 232
- One Health Effects of Agricultural Disasters
  Barrett Slenning, MS, DVM, MPVM
  ID# 1855  CE: 1.00
- Zika & Our Small World
  Danielle Stanek, DVM
  ID# 1858  CE: 1.00
- Human Salmonella Infections Associated with Live Poultry
  Colin Basler, DVM, MPH, DACVPM
  ID# 1857  CE: 1.00

**CURRENT ISSUES/ADVANCES**
ROOM 235
- Judicious Use of Antimicrobials: Major Species
  Michael Murphy, DVM, JD, PhD, DABVT, DABT
  ID# 1241  CE: 1.00
- One Health Effects of Agricultural Disasters
  Barrett Slenning, MS, DVM, MPVM
  ID# 1855  CE: 1.00
- Zika & Our Small World
  Danielle Stanek, DVM
  ID# 1858  CE: 1.00
- Human Salmonella Infections Associated with Live Poultry
  Colin Basler, DVM, MPH, DACVPM
  ID# 1857  CE: 1.00

**DR. JAMES H. STEELE ONE HEALTH**
ROOM 233
- Foodborne Pathogens in Wildlife
  Michele Joy-Russell, DVM, MPVM, PhD, DACVPM
  ID# 1377  CE: 1.00
-Wild & Free-Range Bird Food Safety
  Michele Joy-Russell, DVM, MPVM, PhD, DACVPM
  ID# 1379  CE: 1.00
-Backyard Poultry: Protecting Client Health
  Richard Fulton, DVM
  ID# 1374  CE: 1.00

**FOOD SAFETY**
ROOM 231
- Foodborne Pathogens in Wildlife
  Michele Joy-Russell, DVM, MPVM, PhD, DACVPM
  ID# 1377  CE: 1.00
- Wild & Free-Range Bird Food Safety
  Michele Joy-Russell, DVM, MPVM, PhD, DACVPM
  ID# 1379  CE: 1.00
- Backyard Poultry: Protecting Client Health
  Richard Fulton, DVM
  ID# 1374  CE: 1.00

**GLOBAL HEALTH SUMMIT**
ROOM 236
- Feeding the World
  Rene Carlson, DVM
  ID# 2710  CE: 1.00
- Global Food Security Act
  Jim Yazman, PhD
  ID# 2711  CE: 1.00
- Management of Human Exposure to Rabies
  Bryan Buss, DVM, MPH, DACVPM
  ID# 1821  CE: 1.00

**PREVENTIVE MEDICINE**
ROOM 233
- Imported Animal Diseases of Public Health Concern
  Kendra Stauffer, DVM
  ID# 1819  CE: 1.00
- CDC's Dentition Project at Ports of Entry
  Nelva Bryant, DVM, MPH
  ID# 1820  CE: 1.00
- Agricultural Integration & Global Food Security
  Speaker TBD
  ID# 2713  CE: 1.00
- Veterinarians in Global Food Security
  Craig Carter, DVM, PhD
  ID# 2714  CE: 1.00
- Panel Presentation: Food Security & the Veterinary Profession
  R. Carlson, DVM; C. Carter, DVM, PhD; L. Iannotti, PhD; J. Yazman, PhD
  ID# 2715  CE: 1.00

LUNCH/EXHIBIT HALL BREAK
11:00 AM - 1:00 PM

- Comparing Foodborne Illness Risks Among Meat Commodities
  David Hsi, DVM, MPH
  ID# 1854  CE: 1.00
- Antibiotics in Food Animals
  Randall Singer, DVM, MPVM, PhD
  ID# 1787  CE: 1.00
- Fish Medicine & Food Safety
  Patricia Gaunt, DVM, PhD, DABVT
  ID# 1370  CE: 1.00
- Agricultural Integration & Global Food Security
  Speaker TBD
  ID# 2713  CE: 1.00
- Syndromic Surveillance Data Streams in Animal Health
  Morgan Hennessey, DVM, MPH, DACVPM
  ID# 1856  CE: 1.00
- Transmission of Antibiotic Resistance
  Jiyoung Lee, PhD
  ID# 1788  CE: 1.00
- Fair Veterinarians: Guidelines & Tips for Success
  Bret Marsh, DVM
  ID# 1380  CE: 1.00
- Veterinarians in Global Food Security
  Craig Carter, DVM, PhD
  ID# 2714  CE: 1.00

VISIT THE EXHIBIT HALL
3:00 - 4:00 PM

- Antimicrobial Resistance
  Dimitria Matysi, VMD, MPH
  ID# 1789  CE: 1.00
- Pet Food Hazards
  Martine Hartogensis, DVM
  ID# 1372  CE: 1.00
- Panel Presentation: Food Security & the Veterinary Profession
  R. Carlson, DVM; C. Carter, DVM, PhD; L. Iannotti, PhD; J. Yazman, PhD
  ID# 2715  CE: 1.00
- Environmental Public Health System Issues
  Hugh Mainzer, MS, DVM
  ID# 1790  CE: 1.00

7:00 AM
8:00 AM
9:00 AM
10:00 AM
11:00 AM
1:00 PM
2:00 PM
3:00 PM
4:00 PM
5:00 PM

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## Sunday

### VETERINARY TECHNOLOGY

<table>
<thead>
<tr>
<th>Time</th>
<th>ANESTHESIOLOGY/ PAIN MANAGEMENT</th>
<th>AVIAN</th>
<th>CLINICAL PATHOLOGY</th>
<th>EMERGENCY/ CRITICAL CARE</th>
<th>INTERNAL MEDICINE</th>
<th>NUTRITION/ DIETARY MANAGEMENT</th>
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<td>7:00 AM</td>
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</table>
| 8:00 AM| When Right is Wrong? Or is it? Part I  
Daniel Walsh, MPS, RVT, VTS; Pamela Schendel, BS, RVT, VTS  
ID# 2183  CE: 1.00 |       |                    | The Gut: When Good Bugs Turn Bad  
Danielle Morgan, RVT, VTS  
ID# 1382  CE: 1.00 |                   |                   |                               |
| 9:00 AM| Truths and Myths in Clinical Pathology & Their Relation to Patient Centered Care, Part II  
Daniel Walsh, MPS, RVT, VTS  
ID# 2184  CE: 1.00 | Backyard Chickens  
Ann Wortinger, BIS, LVT, VTS  
ID# 1056  CE: 1.00 |                    | Fragile Foals & Opportunistic Organisms  
Danielle Morgan, RVT, VTS  
ID# 1384  CE: 1.00 |                   |                               |
| 10:00 AM| What is That Thing? Urine Sediment Evaluation, Part III  
Pamela Schendel, BS, RVT, VTS  
ID# 2185  CE: 1.00 |       |                    |                          |                   |                               |
| 11:00 AM|                            |       |                    |                          |                   |                               |

### LUNCH/EXHIBIT HALL BREAK

**11:00 AM - 1:00 PM**

<table>
<thead>
<tr>
<th>Time</th>
<th>ANESTHESIOLOGY/ PAIN MANAGEMENT</th>
<th>AVIAN</th>
<th>CLINICAL PATHOLOGY</th>
<th>EMERGENCY/ CRITICAL CARE</th>
<th>INTERNAL MEDICINE</th>
<th>NUTRITION/ DIETARY MANAGEMENT</th>
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</table>
| 1:00 PM| Advanced Anesthesia Monitoring  
Erica Mattox, CVT, VTS  
ID# 1148  CE: 1.00 |       |                    | The Keys to Perfusion  
Kenichiro Yagi, BS, RVT, VTS  
ID# 1424  CE: 1.00 |                   | Nutrition Myths  
Ann Wortinger, BIS, LVT, VTS  
ID# 1062  CE: 1.00 |
| 2:00 PM| Pharmacology for the Anesthetist  
Erica Mattox, CVT, VTS  
ID# 1149  CE: 1.00 |       |                    | RBCs & Anemia  
Kenichiro Yagi, BS, RVT, VTS  
ID# 1425  CE: 1.00 |                   | Feeding Puzzles  
Ann Wortinger, BIS, LVT, VTS  
ID# 1060  CE: 1.00 |
| 3:00 PM|                                 |       |                    |                          |                   |                               |

### VISIT THE EXHIBIT HALL

**3:00 - 4:00 PM**

<table>
<thead>
<tr>
<th>Time</th>
<th>ANESTHESIOLOGY/ PAIN MANAGEMENT</th>
<th>AVIAN</th>
<th>CLINICAL PATHOLOGY</th>
<th>EMERGENCY/ CRITICAL CARE</th>
<th>INTERNAL MEDICINE</th>
<th>NUTRITION/ DIETARY MANAGEMENT</th>
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</table>
| 4:00 PM| Avoiding Anaesthesia Complications  
Louise O'Dwyer, BSc, VTS  
ID# 1085  CE: 1.00 |       |                    | Approaches to Toxicological Emergencies  
Kenichiro Yagi, BS, RVT, VTS  
ID# 1427  CE: 1.00 |                   | Neonate Nutrition: Feeding Puppies & Kittens  
Ed Carlson, CVT, VTS  
ID# 1555  CE: 1.00 |
| 5:00 PM| Safe Anaesthesia for the Brachycephalic Patient  
Louise O'Dwyer, BSc, VTS  
ID# 1084  CE: 1.00 |       |                    | The GDV Masterclass  
Kenichiro Yagi, BS, RVT, VTS  
ID# 1432  CE: 1.00 |                   | Seniors & Renal Diets  
Ed Carlson, CVT, VTS  
ID# 1559  CE: 1.00 |
## Monday

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>7:00 AM</td>
<td>Stress, Burnout, Compassion Fatigue</td>
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<tr>
<td>8:00 AM</td>
<td>Depression &amp; Suicide</td>
</tr>
<tr>
<td>10:00 AM</td>
<td>Removing Negativity &amp; Return to a Positive Work Environment</td>
</tr>
<tr>
<td>11:00 AM</td>
<td>Lunch/Exhibit Hall Break</td>
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</tbody>
</table>

### VISIT THE EXHIBIT HALL
3:00 - 4:00 PM

### BOEHRINGER INGELHEIM PAIN SYMPOSIUM
ROOM 133-135

### CURRENT ISSUES/ADVANCES
ROOM 235

### COMPANION ANIMAL MEDICINE

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<tr>
<th>Room</th>
<th>ANESTHESIOLOGY/PAIN MANAGEMENT</th>
<th>BEHAVIOR</th>
<th>BOEHRINGER INGELHEIM PAIN SYMPOSIUM</th>
<th>CURRENT ISSUES/ADVANCES</th>
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<tbody>
<tr>
<td>240-242</td>
<td>Room 202-203</td>
<td>Room 201</td>
<td>Room 133-135</td>
<td>Room 235</td>
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</tbody>
</table>

### Management of Behavioral Drugs & Anesthesia
Kristen Messenger, DVM, PhD, DACVAA, DACVCP; Margaret Green, DVM, PhD, DACVB
ID# 1636 CE: 1.00

### Futuristic Technology for Monitoring Behavior
Theresa DePorter, DVM, MRCVS, DECAWBM, DACVB
ID# 1521 CE: 1.00

### Empathy for the Fearful, Worried, or Anxious Pet
Theresa DePorter, DVM, MRCVS, DECAWBM, DACVB
ID# 1522 CE: 1.00

### Nutraceutical & Botanical Therapies to Modify Behavior
Theresa DePorter, DVM, MRCVS, DECAWBM, DACVB
ID# 1523 CE: 1.00

### Changing the Future for Your OA Patients: Case-Based Management Methods
Denis Marcellin-Little, DEDV, DACVS, DACVSMR
ID# 3047 CE: 1.00

### Live Surgery Video Session: Mastering Routine and Complicated Spays
Michael Conzemius, DVM, PhD, DACVS
ID# 3048 CE: 1.00

### Practical Applications for Orthopedic Diagnosis and Treatment
W. Preston Stubbs, DVM, DACVS
ID# 3049 CE: 1.00

### Clinical Trials in Patient-Owned Animals
Ed Murphey, DVM, PhD, DACVS; Ed Murphey, DVM, PhD, DACVS
ID# 1853 CE: 1.00

### Watch It Live! An On-Stage Expert Examination of the Canine OA Patient
Denis Marcellin-Little, DEDV, DACVS, DACVSMR
ID# 3017 CE: 1.00

### Boehringer Ingelheim

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### Monday

<table>
<thead>
<tr>
<th>Time</th>
<th>Companion Animal Medicine</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 AM</td>
<td>EMERGENCY/CRITICAL CARE</td>
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<tr>
<td></td>
<td>ROOM 243</td>
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<tr>
<td>8:00 AM</td>
<td>Trauma Triad of Death</td>
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<tr>
<td></td>
<td>Lori Waddell, DVM, DACVECC</td>
</tr>
<tr>
<td></td>
<td>ID# 1640 CE: 1.00</td>
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<tr>
<td>9:00 AM</td>
<td>Respiratory Complications of Trauma</td>
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<tr>
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<td>Lori Waddell, DVM, DACVECC</td>
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<td>ID# 1641 CE: 1.00</td>
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<td>10:00 AM</td>
<td>Stabilization of the DKA Patient</td>
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<tr>
<td></td>
<td>Lori Waddell, DVM, DACVECC</td>
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<tr>
<td></td>
<td>ID# 1642 CE: 1.00</td>
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<tr>
<td>11:00 AM</td>
<td>LUNCH/EXHIBIT HALL BREAK</td>
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<td>11:00 AM - 1:00 PM</td>
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</tbody>
</table>

### LUNCH/EXHIBIT HALL BREAK

**11:00 AM - 1:00 PM**

<table>
<thead>
<tr>
<th>Time</th>
<th>Companion Animal Medicine</th>
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<tbody>
<tr>
<td>1:00 PM</td>
<td>Traumatic Brain Injury</td>
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<tr>
<td></td>
<td>Dana Clarke, VMD, DACVECC</td>
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<td>ID# 1683 CE: 1.00</td>
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<td>2:00 PM</td>
<td>Stabilization of the Trauma Patient</td>
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<td>Lori Waddell, DVM, DACVECC</td>
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<tr>
<td></td>
<td>ID# 1643 CE: 1.00</td>
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<tr>
<td>3:00 PM</td>
<td>How to Assess &amp; Manage Corneal Edema</td>
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<tr>
<td></td>
<td>Sara Thomasy, DVM, PhD, DACVO</td>
</tr>
<tr>
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<td>ID# 1310 CE: 1.00</td>
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</table>

### VISIT THE EXHIBIT HALL

**3:00 - 4:00 PM**

<table>
<thead>
<tr>
<th>Time</th>
<th>Companion Animal Medicine</th>
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<tbody>
<tr>
<td>4:00 PM</td>
<td>Abdominal Trauma in Dogs &amp; Cats</td>
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<tr>
<td></td>
<td>Any Koenighof, DVM, MS, DACVECC</td>
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<tr>
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<td>ID# 1419 CE: 1.00</td>
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<tr>
<td>5:00 PM</td>
<td>Novel Treatments for FHV-1</td>
</tr>
<tr>
<td></td>
<td>Sara Thomasy, DVM, PhD, DACVO</td>
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<tr>
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<td>ID# 1319 CE: 1.00</td>
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</table>
### Monday

#### COMPANION ANIMAL MEDICINE

<table>
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<tr>
<th>Time</th>
<th>ORTHOPEDIC/ SOFT TISSUE/ SURGERY</th>
<th>ORTHOPEDIC/ SOFT TISSUE/ SURGERY</th>
<th>REFRESHER SESSION</th>
<th>REFRESHER SESSION</th>
<th>REPRODUCTION/ NEONATAL/ RESEARCH</th>
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<tbody>
<tr>
<td>7:00 AM</td>
<td>ROOM 205-207</td>
<td>ROOM 237-239</td>
<td>AVMA CE THEATER 1</td>
<td>AVMA CE THEATER 2</td>
<td>ROOM 208-209/235</td>
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<tr>
<td>8:00 AM</td>
<td>Small Intestinal Surgery: Tips &amp; Tricks</td>
<td>Kathleen Hom, DVM, MS, DACVS-SA ID# 1469 CE: 1.00</td>
<td>When Fido Fires Blanks Clare Scully, MA, DVM, MS, DACT ID# 1517 CE: 1.00 ROOM 208-209</td>
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<tr>
<td>9:00 AM</td>
<td>Laparoscopy: Applications in Small Animal Practice</td>
<td>Kathleen Hom, DVM, MS, DACVS-SA ID# 1471 CE: 1.00</td>
<td>In Heat But Running Cold? Clare Scully, MA, DVM, MS, DACT ID# 1518 CE: 1.00 ROOM 208-209</td>
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<tr>
<td>10:00 AM</td>
<td>Inflammatory Polyps in Cats</td>
<td>Kathleen Hom, DVM, MS, DACVS-SA ID# 1473 CE: 1.00</td>
<td>TCI for Beginners Clare Scully, MA, DVM, MS, DACT ID# 1519 CE: 1.00 ROOM 208-209</td>
<td></td>
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<tr>
<td>11:00 AM</td>
<td>LUNCH/EXHIBIT HALL BREAK 11:00 AM - 1:00 PM</td>
<td>Breeders: The Bottom Line Clare Scully, MA, DVM, MS, DACT ID# 1520 CE: 1.00 ROOM 208-209</td>
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<tr>
<td><strong>VISIT THE EXHIBIT HALL 3:00 - 4:00 PM</strong></td>
<td>12:00 PM</td>
<td>Practical Clinical Studies Participation Rodney Page, DVM ID# 2618 CE: 1.00 ROOM 235</td>
<td>1:00 PM</td>
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<tr>
<td>1:00 PM</td>
<td>Fracture Fixation: Diagnosing &amp; Choosing a Fixation</td>
<td>David Dycus, DVM, MS, CCRP, DACVS-SA ID# 1111 CE: 1.00</td>
<td>Nationwide</td>
<td>Zoetis</td>
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<tr>
<td>2:00 PM</td>
<td>Canine Brachycephalic Breeds: Disease Incidence</td>
<td>Carol McConnell, DVM, MBA ID# 3001 CE: 1.00</td>
<td>Confidently Go From Suspecting To Detecting: Test for Dogs with Leptospirosis Matthew Krecic, DVM, MS, MBA, DACVIM ID# 3011 CE: 1.00</td>
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<tr>
<td>3:00 PM</td>
<td>Fracture Fixation: Internal &amp; External Fixation Techniques</td>
<td>David Dycus, DVM, MS, CCRP, DACVS-SA ID# 1113 CE: 1.00</td>
<td>Non-Neoplastic Conditions from Spaying &amp; Neutering, Part I Michelle Kutzler, DVM, PhD, DACT ID# 1168 CE: 1.00</td>
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<td>4:00 PM</td>
<td>VISIT THE EXHIBIT HALL 3:00 - 4:00 PM</td>
<td>Non-Neoplastic Conditions from Spaying &amp; Neutering, Part II Michelle Kutzler, DVM, PhD, DACT ID# 1169 CE: 1.00</td>
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<tr>
<td>5:00 PM</td>
<td>Breeders: The Bottom Line Clare Scully, MA, DVM, MS, DACT ID# 1520 CE: 1.00 ROOM 208-209</td>
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### Facebook
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- #avmaconv
### Companion Animal Medicine

**SUNRISE CE**
ROOM 202-203

Hyberbaric Oxygen Therapy in Private Practice: Summary of Its Effects and Evidence Based on Clinical Experience
Dennis Crowe, DVM, DACVS
ID # 3024  CE: 0.00

**TOXICOLOGY**
ROOM 202-203

**URINARY**
ROOM 208-209

---

### Food Animal/Equine

**AQUATIC**
ROOM 236

Prophylaxis in Aquaculture
Esteban Soto, DVM, MSc, PhD, DACVM
ID# 1162  CE: 1.00

What Really Caused the Disease?
Maurice Givens, DVM, PhD
ID# 1766  CE: 1.00

**BOVINE**
ROOM 211

Diagnosis in Aquaculture
Esteban Soto, DVM, MSc, PhD, DACVM
ID# 1163  CE: 1.00

Immunity in Calves
Amelia Woolums, DVM, PhD, DACVIM, ACVM
ID# 1808  CE: 1.00

**EQUINE**
ROOM 210

Infectious Diseases
Esteban Soto, DVM, MSc, PhD, DACVM
ID# 1164  CE: 1.00

Vaccinating to Control BRD
Amelia Woolums, DVM, PhD, DACVIM, ACVM
ID# 1809  CE: 1.00

An Update on Navicular Disease
Weston Davis, DVM
ID# 2145  CE: 1.00

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### LUNCH/EXHIBIT HALL BREAK
**11:00 AM - 1:00 PM**

**1:00 PM**

Foods Toxic to Pets
Ahna Brutlag, DVM, MS, DABT, DABVT
ID# 1726  CE: 1.00

1:00 PM - 2:50 PM

Immunity & Health in Stocker Cattle
Amelia Woolums, DVM, PhD, DACVIM, ACVM
ID# 1810  CE: 1.00

**2:00 PM**

One Pill Can Kill
Ahna Brutlag, DVM, MS, DABT, DABVT
ID# 1727  CE: 1.00

From FUS to Pandora Syndrome
Tony Buffington, DVM, PhD, DACVN
ID# 1573  CE: 1.00

BRD in Preweaning Beef Calves
Amelia Woolums, DVM, PhD, DACVIM, ACVM
ID# 1811  CE: 1.00

**3:00 PM**

GI Decontamination
Ahna Brutlag, DVM, MS, DABT, DABVT
ID# 1729  CE: 1.00

Cats with Chronic LUTS
Tony Buffington, DVM, PhD, DACVN
ID# 1572  CE: 1.00

What Really Caused the Disease?
Maurice Givens, DVM, PhD
ID# 1766  CE: 1.00

**4:00 PM**

Carp Edema Virus
Sherri Kasper, DVM, MS
ID# 1258  CE: 1.00

My Approach to the Back Sore Horse
Weston Davis, DVM
ID# 2147  CE: 1.00

**5:00 PM**

Topical Toxin Titans
Ahna Brutlag, DVM, MS, DABT, DABVT
ID# 1730  CE: 1.00

Nutrition & LUTS in Cats
Tony Buffington, DVM, PhD, DACVN
ID# 1574  CE: 1.00

Quarantine in Aquatics
Sherri Kasper, DVM, MS
ID# 1259  CE: 1.00

**3:00 - 4:00 PM**

**VISIT THE EXHIBIT HALL**

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**Monday**

**FOOD/ANIMAL/EQUINE**

<table>
<thead>
<tr>
<th>SMALL RUMINANT</th>
<th>HOT TOPICS</th>
<th>PRACTICE MANAGEMENT</th>
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<tr>
<td>ROOM 210</td>
<td>ROOM 130-132</td>
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| Small Ruminant Laboratory Diagnostics  
Fauna Smith, DVM  
ID# 1832  CE: 1.00 | | |

<table>
<thead>
<tr>
<th>SMALL RUMINANT</th>
<th>HOT TOPICS</th>
<th>PRACTICE MANAGEMENT</th>
</tr>
</thead>
</table>
| ROOM 138-139   |            | 8:00 AM - 8:25 AM  
Re-Invasion of Southern US by Cattle Fever Ticks  
Michael Gilsdorf, DVM  
ID# 2264  CE: 0.50 | |
| ROOM 138-139   |            | 8:25 AM - 5:00 AM  
Veterinary Oversight in Slaughter Inspection  
Michael Gilsdorf, DVM  
ID# 2260  CE: 0.50 | |

<table>
<thead>
<tr>
<th>CHALLENGING CLINICAL CASES IN SMALL RUMINANTS</th>
<th>HOT TOPICS</th>
<th>PRACTICE MANAGEMENT</th>
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</thead>
<tbody>
<tr>
<td>ROOM 138-139</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| Fauna Smith, DVM  
ID# 1833  CE: 1.00 | Student Loan Repayment Strategies for Veterinarians  
Paul Garrard, BA, MBA  
ID# 2282  CE: 1.00 | |

<table>
<thead>
<tr>
<th>CHALLENGING CLINICAL CASES IN SMALL RUMINANTS</th>
<th>HOT TOPICS</th>
<th>PRACTICE MANAGEMENT</th>
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</thead>
</table>
| ROOM 138-139       |            | Avian-type Influenza Outbreak in Cats in New York City Animal Shelter  
Robin Brennen, DVM  
ID# 2623  CE: 1.00 | |

**LUNCH/EXHIBIT HALL BREAK**

**11:00 AM - 1:00 PM**

<p>| | | |</p>
<table>
<thead>
<tr>
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</table>
| Practical Tips for Stress Management  
Jennifer Brandt, MSW, LISW-S, PhD  
ID# 2288  CE: 1.00 | 1:00 PM - 2:50 PM  
Advanced Financial Statement Analysis, Part I & II  
Karen Felsted, DVM, MS, CPA, CVPM, CVA  
ID# 2265  CE: 2.00 | |

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| AVMA Well-being Initiative  
Mardi Kirk, DVM; Anna Reddish, DVM  
ID# 2289  CE: 1.00 | |

**VISIT THE EXHIBIT HALL**

**3:00 - 4:00 PM**

<p>| | | |</p>
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| Goat Field Sedation & Anesthesia  
Meera Heller, DVM, PhD, DACVIM  
ID# 1836  CE: 1.00 | Bridging the Gender Wage Gap  
(#VeterinaryWageGap)  
Karen Bradley, DVM; Sarah Wooten, DVM, CVJ  
ID# 2292  CE: 1.00 | Advanced KPI Analysis  
Karen Felsted, DVM, MS, CPA, CVPM, CVA  
ID# 2267  CE: 1.00 |
| Performing Common Goat Surgeries in the Field  
Meera Heller, DVM, PhD, DACVIM  
ID# 1837  CE: 1.00 | Veterinarians Against Humanity: A Game for Unconventional Veterinarians  
Karen Bradley, DVM; Sarah Wooten, DVM, CVJ  
ID# 2296  CE: 1.00 | Preventing Theft & Fraud  
Karen Felsted, DVM, MS, CPA, CVPM, CVA  
ID# 2267  CE: 1.00 |

**LUNCH/EXHIBIT HALL BREAK**

**11:00 AM - 1:00 PM**

**1:00 PM - 2:50 PM**

**2:00 PM - 3:00 PM**

**3:00 PM - 4:00 PM**

**4:00 PM - 5:00 PM**
# Monday

## PRACTICE MANAGEMENT

<table>
<thead>
<tr>
<th>Time</th>
<th>Room</th>
<th>Session Title</th>
<th>Presenters</th>
<th>ID#</th>
<th>CE</th>
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<tbody>
<tr>
<td>7:00 AM</td>
<td>143</td>
<td>Four Wheels of Your Business’s Marketing Car</td>
<td>Kelly Baltzell, MA</td>
<td>2272</td>
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<td>8:00 AM</td>
<td>144-145</td>
<td>Google AdWords: Now a Requirement</td>
<td>Kelly Baltzell, MA</td>
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<td>9:00 AM</td>
<td>130-132</td>
<td>What? Websites &amp; Reviews Have Changed Again?</td>
<td>Kelly Baltzell, MA</td>
<td>2274</td>
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<td>Lunch/Exhibit Hall Break</td>
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<tr>
<td>1:00 PM</td>
<td>136</td>
<td>State Veterinary Wellness Programs: Do They Work?</td>
<td>John Jacobson, DVM, PhD</td>
<td>1586</td>
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<tr>
<td>1:00 PM</td>
<td>130-132</td>
<td>The Power of the Injectable to Impact the Patient, the Client, the Veterinary Team &amp; the Practice</td>
<td>John Angus, DVM</td>
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<tr>
<td>1:00 PM</td>
<td>137</td>
<td>Does All This Talk About Well-being Matter?</td>
<td>John Jacobson, DVM, PhD</td>
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<td>1.00</td>
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<td>1:00 PM</td>
<td>134-135</td>
<td>Impostor Syndrome</td>
<td>Cherie Buisson, DVM</td>
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<tr>
<td>1:00 PM</td>
<td>138</td>
<td>State Veterinary Wellness Programs: Do They Work?</td>
<td>John Jacobson, DVM, PhD</td>
<td>1581</td>
<td>1.00</td>
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<tr>
<td>1:00 PM</td>
<td>139</td>
<td>Helping Distressed Colleagues</td>
<td>John Jacobson, DVM, PhD</td>
<td>1582</td>
<td>1.00</td>
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<tr>
<td>1:00 PM</td>
<td>140</td>
<td>Health Behaviors: Essential Ingredients to Living Well</td>
<td>John Jacobson, DVM, PhD</td>
<td>1583</td>
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<tr>
<td>2:00 PM</td>
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<td>Lunch/Exhibit Hall Break</td>
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<tr>
<td>3:00 PM</td>
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<td>Visit the Exhibit Hall</td>
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<tr>
<td>4:00 PM</td>
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<td>Visiting the Exhibit Hall</td>
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<tr>
<td>5:00 PM</td>
<td></td>
<td>Visit the Exhibit Hall</td>
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</tbody>
</table>
### PUBLIC AND CORPORATE PRACTICE

#### ANIMAL WELFARE
**Room 234**

- **Animal Welfare & Social Sustainability**  
  Marina Von Keyserlingk, PhD  
  ID# 1880  CE: 1.00

- **Social Stress in Dairy Cows**  
  Marina Von Keyserlingk, PhD  
  ID# 1881  CE: 1.00

- **Painful Procedures in Cattle & Pigs**  
  Ed Pajor, PhD  
  ID# 1887  CE: 1.00

#### COMPARATIVE MEDICINE
**Room 233**

- **Dog Welfare Assessment in Commercial Breeding Kennels**  
  Candace Croney, PhD  
  ID# 1759  CE: 1.00

#### DR. JAMES H. STEELE ONE HEALTH
**Room 232**

- **Compounding**  
  M. Hartogensis, DVM; G. Davidson, BScPharm, DICVP; L. Thompson, DVM, DACVD  
  ID# 1364  CE: 3.00

- **Q Fever**  
  Cara Cherry, DVM, MPH, DACVP  
  ID# 1825  CE: 1.00

- **Brucellosis in Hogs and Dogs: Minnesota Stories**  
  Tory Whitten, MS  
  ID# 1883  CE: 1.00

- **NVAP Module 15**  
  Fidelis Hegngi, DVM, MS  
  ID# 1869  CE: 1.00

- **NVAP Module 17**  
  Fidelis Hegngi, DVM, MS  
  ID# 1869  CE: 1.00

#### PHARMACOLOGY
**Room 235**

- **Compounding**  
  M. Hartogensis, DVM; G. Davidson, BScPharm, DICVP; L. Thompson, DVM, DACVD  
  ID# 1364  CE: 3.00

- **Brucellosis in Hogs and Dogs: Minnesota Stories**  
  Tory Whitten, MS  
  ID# 1883  CE: 1.00

- **Vaccine-Preventable Zoonotic Diseases**  
  Jennifer McQuiston, MPH DVM  
  ID# 1886  CE: 1.00

- **NVAP Module 18**  
  Fidelis Hegngi, DVM, MS  
  ID# 1870  CE: 1.00

- **NVAP Module 19**  
  Anno Ruman, DVM  
  ID# 1871  CE: 1.00

- **NVAP Module 21**  
  John Davis, DVM, MS, MBA  
  ID# 1872  CE: 1.00

#### PREVENTIVE MEDICINE
**Room 232**

- **NVAP Module 15**  
  Fidelis Hegngi, DVM, MS  
  ID# 1869  CE: 1.00

- **NVAP Module 17**  
  Fidelis Hegngi, DVM, MS  
  ID# 1869  CE: 1.00

- **NVAP Module 18**  
  Fidelis Hegngi, DVM, MS  
  ID# 1870  CE: 1.00

- **NVAP Module 22**  
  John Davis, DVM, MS, MBA  
  ID# 1873  CE: 1.00

- **NVAP Module 5**  
  John Davis, DVM, MS, MBA  
  ID# 1874  CE: 1.00

#### USDA NVAP RENEWAL MODULES
**Room 231**

- **Effects of Farm Size on Animal Welfare**  
  Marina Von Keyserlingk, PhD  
  ID# 1882  CE: 1.00

- **Ferret Model for Pandemic Influenza Vaccine Development**  
  Jill Ascher, MA, DVM, MPH, DACLAM  
  ID# 1793  CE: 1.00

- **Toxoplasma in the US**  
  Dolores Hill, PhD  
  ID# 1791  CE: 1.00

- **AVMA Panel on Depopulation Update**  
  Steven Leary, DVM, DACLAM  
  ID# 1885  CE: 1.00

- **The Resurgence of Pertussis**  
  Tod Merkel, PhD  
  ID# 1782  CE: 1.00

- **Toxoplasma in Sea Otters**  
  Heather Fritz, DVM  
  ID# 1792  CE: 1.00

- **NVAP Module 19**  
  Anno Ruman, DVM  
  ID# 1871  CE: 1.00

- **NVAP Module 21**  
  John Davis, DVM, MS, MBA  
  ID# 1872  CE: 1.00

- **NVAP Module 22**  
  John Davis, DVM, MS, MBA  
  ID# 1873  CE: 1.00

#### LUNCH/EXHIBIT HALL BREAK
**11:00 AM - 1:00 PM**

- **Lunch/Exhibit Hall Break**

#### VISIT THE EXHIBIT HALL
**3:00 - 4:00 PM**

- **Welfare of Animals Used in Rodeo**  
  Ed Pajor, PhD  
  ID# 1888  CE: 1.00

- **Transmissible Spongiform Encephalopathies**  
  Christina Carlson, PhD, MPH  
  ID# 1750  CE: 1.00

- **Toxoplasma gondii**  
  Susan E. Little, DVM, PhD, DACVM  
  ID# 1794  CE: 1.00

- **Assessing Animal Welfare: You be the Judge**  
  Ed Pajor, PhD  
  ID# 1889  CE: 1.00

- **What is Your Diagnosis**  
  D. LeMoine, DVM; A. Smith, DVM; K. Szilagyi, DVM, MPH  
  ID# 1859  CE: 1.00

- **Toxoplasmosis Across Different Animal Hosts**  
  Heather Fritz, DVM  
  ID# 1795  CE: 1.00

- **Effects of Farm Size on Animal Welfare**  
  Marina Von Keyserlingk, PhD  
  ID# 1882  CE: 1.00

- **Ferret Model for Pandemic Influenza Vaccine Development**  
  Jill Ascher, MA, DVM, MPH, DACLAM  
  ID# 1793  CE: 1.00

- **The Resurgence of Pertussis**  
  Tod Merkel, PhD  
  ID# 1782  CE: 1.00

- **Toxoplasma in Sea Otters**  
  Heather Fritz, DVM  
  ID# 1792  CE: 1.00

- **NVAP Module 22**  
  John Davis, DVM, MS, MBA  
  ID# 1873  CE: 1.00

- **NVAP Module 5**  
  John Davis, DVM, MS, MBA  
  ID# 1874  CE: 1.00
### Monday

#### 7:00 AM

- **Thoracic Radiology**
  - Amy Newfield, CVT, VTS
  - ID# 1396  CE: 1.00

#### 8:00 AM

- **Anesthetic Emergencies**
  - Erica Mattax, CVT, VTS
  - ID# 1147  CE: 1.00

- **Advanced Catheterization Techniques**
  - Heidi Reuss-Lamky, LVT, VTS
  - ID# 1048  CE: 1.00

- **Zoonosis: What is All the Fuss About?**
  - Ann Wortinger, BIS, LVT, VTS
  - ID# 1059  CE: 1.00

#### 9:00 AM

- **Feline Anesthesia**
  - Erica Mattax, CVT, VTS
  - ID# 1131  CE: 1.00

- **Raw Food Diets**
  - Ann Wortinger, BIS, LVT, VTS
  - ID# 1064  CE: 1.00

- **Positioning for Safety in the Radiology Suite!!**
  - Heidi Reuss-Lamky, LVT, VTS
  - ID# 1066  CE: 1.00

#### 10:00 AM

- **Practical Analgesia in Practice**
  - Louise O'Dwyer, BSc, VTS
  - ID# 2186  CE: 1.00

- **Prebiotics & Probiotics**
  - Ann Wortinger, BIS, LVT, VTS
  - ID# 1063  CE: 1.00

- **Abdominal Radiology Review**
  - Amy Newfield, CVT, VTS
  - ID# 1395  CE: 1.00

#### 11:00 AM

- **Enhancing the Performance Level & Skill**
  - Kenichiro Yagi, BS, RVT, VTS
  - ID# 1431  CE: 1.00

- **Nutritional Support of GI Disease**
  - Ed Carlson, CVT, VTS
  - ID# 1554  CE: 1.00

- **Thoracic Radiology Review**
  - Amy Newfield, CVT, VTS
  - ID# 1396  CE: 1.00

### LUNCH/EXHIBIT HALL BREAK

**11:00 AM - 1:00 PM**

- **Anaesthesia for the Head Trauma Patient**
  - Louise O'Dwyer, BSc, VTS
  - ID# 1086  CE: 1.00

- **1:00 PM – 2:50 PM Essential Skills for the Nutritional Advocate**
  - Ed Carlson, CVT, VTS
  - ID# 1563  CE: 2.00

- **Anaesthesia of the Cardiac Patient**
  - Louise O'Dwyer, BSc, VTS
  - ID# 1088  CE: 1.00

- **ECC Myths & Truths**
  - Kenichiro Yagi, BS, RVT, VTS
  - ID# 1430  CE: 1.00

- **Thoracic Radiology Review**
  - Amy Newfield, CVT, VTS
  - ID# 1396  CE: 1.00

#### 3:00 PM

- **The Spleen**
  - Amy Newfield, CVT, VTS
  - ID# 1392  CE: 1.00

### VISIT THE EXHIBIT HALL

**3:00 - 4:00 PM**

- **Nursing Care of the Geriatric Patient**
  - Louise O'Dwyer, BSc, VTS
  - ID# 1089  CE: 1.00

- **How To Be A Superstar**
  - Erica Mattax, CVT, VTS
  - ID# 1151  CE: 1.00

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### Companion Animal Medicine

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<tr>
<th>Time</th>
<th>AVIAN/EXOTIC/ZOOLOGICAL</th>
<th>DENTISTRY</th>
<th>EMERGENCY/Critical Care</th>
<th>EMERGENCY/Critical Care</th>
<th>ENDOCRINOLOGY</th>
<th>FELINE</th>
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</table>
| 7:00 AM| Evidence-Based Medicine in the ECM  
Peter Fisher, DVM, DABVP  
ID# 1527  CE: 1.00 | Complete Oral Exam: Awake & Asleep  
Matthew Lemmons, DVM, DAVDC  
ID# 1707  CE: 1.00 | Interventional Radiology  
Dana Clarke, VMD, DACVECC  
ID# 1684  CE: 1.00 | Recent Advances in Veterinary Toxicology  
Amy Koenigshof, DVM, MS, DACVECC  
ID# 1455  CE: 1.00 | Is it Behavioral, Medical, or Both?  
Margaret Gruen, DVM, PhD, DACVB  
ID# 1609  CE: 1.00 | |
| 8:00 AM| Exotic Companion Mammal Dermatology  
Peter Fisher, DVM, DABVP  
ID# 1529  CE: 1.00 | Dental Radiograph Interpretation: Canine  
Matthew Lemmons, DVM, DAVDC  
ID# 1708  CE: 1.00 | Fluid Therapy Controversies  
Dana Clarke, VMD, DACVECC  
ID# 1685  CE: 1.00 | Non-Regenerative Anemias in Dogs  
Amy Koenigshof, DVM, MS, DACVECC  
ID# 1460  CE: 1.00 | Environmental Needs of Cats  
Margaret Gruen, DVM, PhD, DACVB  
ID# 1612  CE: 1.00 | |
| 9:00 AM| Bird Beak & Claw Disease  
Peter Fisher, DVM, DABVP  
ID# 1531  CE: 1.00 | Dental Radiograph Interpretation: Feline  
Matthew Lemmons, DVM, DAVDC  
ID# 1709  CE: 1.00 | Acute Kidney Injury  
Dana Clarke, VMD, DACVECC  
ID# 1686  CE: 1.00 | Urethral Obstruction in Cats  
Amy Koenigshof, DVM, MS, DACVECC  
ID# 1461  CE: 1.00 | Feline Inappropriate Elimination: Case-based  
Margaret Gruen, DVM, PhD, DACVB  
ID# 1655  CE: 1.00 | |
| 10:00 AM| Standards of Care: The Guinea Pig  
Peter Fisher, DVM, DABVP  
ID# 1532  CE: 1.00 | Pain Management Strategies for the Oral Surgeon  
Matthew Lemmons, DVM, DAVDC  
ID# 1710  CE: 1.00 | Common Household Toxins  
Amy Koenigshof, DVM, MS, DACVECC  
ID# 1462  CE: 1.00 | Insulin Resistance in Your Patients  
Kathryn McGonigle, MPH, DVM, DACVIM  
ID# 1351  CE: 1.00 | Behavior in Geriatric Cats  
Margaret Gruen, DVM, PhD, DACVB  
ID# 1659  CE: 1.00 | |
<p>| 11:00 AM| | | | | | |
| 12:00 PM| | | | | | |
| 1:00 PM| | | | | | |
| 2:00 PM| | | | | | |
| 3:00 PM| | | | | | |
| 4:00 PM| | | | | | |
| 5:00 PM| | | | | | |</p>
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<tr>
<th>Time</th>
<th>COMPARION ANIMAL MEDICINE</th>
<th>FOOD ANIMAL/EQUINE</th>
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<tr>
<td>7:00 AM</td>
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<tr>
<td>8:00 AM</td>
<td>Canine Elbow Dysplasia</td>
<td>Fish Viruses</td>
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<td>Nina Kieves, DVM, DACVS-SA, DACVSMR, CCRT, ID# 1293, CE: 1.00</td>
<td>Thomas Waltzek, MS, PhD, DVM</td>
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<td>ID# 1122, CE: 1.00</td>
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<td>Prenatal Care in the Bitch &amp; Queen</td>
<td>Equine Metabolic Syndrome Update: Pathophysiology &amp; Diagnosis</td>
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<td>Michael Peterson, DVM, MS, ID# 1752, CE: 1.00</td>
<td>Katie Sheets, DVM, PhD, DACVIM</td>
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<td>Management of Parturition in the Bitch &amp; Queen</td>
<td>Equine Cushings Update: Pathophysiology &amp; Diagnosis</td>
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<td>Michael Peterson, DVM, MS, ID# 1755, CE: 1.00</td>
<td>Katie Sheets, DVM, PhD, DACVIM</td>
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<td>ID# 2142, CE: 1.00</td>
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<tr>
<td>8:00 AM</td>
<td>Puppies &amp; Kittens</td>
<td>Aquatic Invertebrates</td>
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<td>Michael Peterson, DVM, MS, ID# 1754, CE: 1.00</td>
<td>Ashley Emanuele, DVM</td>
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<td>8:00 AM</td>
<td>Orphan Puppies &amp; Kittens</td>
<td>Common Household Hazards for Pets</td>
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<td>Michael Peterson, DVM, MS, ID# 1753, CE: 1.00</td>
<td>Sharon Waltzek-Brant, DVM, PhD, DABVT, DACVIM</td>
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<tr>
<td>9:00 AM</td>
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<td>Private Practice Experience in Veterinary Educational Curriculum</td>
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<td>9:00 AM</td>
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<td>Katie Sheets, DVM, PhD, DACVIM</td>
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<td>Triage for the Thin Camelid</td>
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<td>Pamela Walker, DVM, MS, DACVIM-LA</td>
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<td>ID# 1368, CE: 1.00</td>
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<tr>
<td>Time</td>
<td>HOT TOPICS</td>
<td></td>
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<tr>
<td>-------------</td>
<td>---------------------------------------------------------------------------</td>
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</table>
| 7:00 AM     | Non-profit Clinics: Good or Bad?  
Jeffrey Adams, DVM, MSA  ID# 2291  CE: 1.00 |
| 8:00 AM     | Achieving Client Compliance  
Julie Cary, DVM, MS, DACVS-LA  ID# 1511  CE: 1.00 |
| 9:00 AM     | My Practice Acquisition Checklist  
Joy Fuhrman, DVM, MBA, CPA  ID# 1326  CE: 1.00 |
| 9:00 AM – 11:50 AM | Ergonomics in Veterinary Medicine  
Sara White, DVM, MSc  ID# 1556  CE: 3.00 |
| 9:00 AM – 11:50 AM | If We Could Talk to the Animals  
Debra Hickman, DVM, MS, DACLAM, DACAW  ID# 1751  CE: 1.00 |
| 12:00 PM   | Cats in Cages  
Judith Stella, PhD  ID# 1796  CE: 1.00 |
| 1:00 PM    | One Health & Toxic Cyanobacteria  
Elizabeth Hilborn, DVM, MPH  ID# 1797  CE: 1.00 |
| 1:00 PM    | Public Health & Harmful Algal Blooms  
Virginia Roberts, MSPH  ID# 1798  CE: 1.00 |
| 1:00 PM    | Algal Blooms & Public Health  
Jiyoung Lee, PhD  ID# 1799  CE: 1.00 |
| 1:00 PM    | Panel Discussion: Harmful Algal Blooms Integration  
V. Roberts, MSPH; E. Hilborn, DVM, MPH; J. Lee, PhD  ID# 1800  CE: 1.00 |
| 2:00 PM    | One Health One Health  
Dr. James H. Steele  |
| 3:00 PM    | Precious Bodily Fluids  
Ann Marie Ritchie, CVT, VTS  ID# 1014  CE: 1.00 |
| 4:00 PM    | Triage  
Ann Marie Ritchie, CVT, VTS  ID# 1015  CE: 1.00 |
| 5:00 PM    | Intensive Nursing Care  
Ann Marie Ritchie, CVT, VTS  ID# 1016  CE: 1.00 |

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<table>
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<tr>
<th>Time</th>
<th>EMERGENCY/CRITICAL CARE/INTERNAL MEDICINE</th>
<th>HEMATOLOGY</th>
<th>NUTRITION/DIETARY MANAGEMENT</th>
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<tbody>
<tr>
<td>7:00 AM</td>
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</tr>
<tr>
<td>8:00 AM</td>
<td></td>
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<td></td>
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</tbody>
</table>
| 9:00 AM | **Nutrition & Acid-Base Balance**  
Ann Wortinger, BIS, LVT, VTS  
ID# 1061  CE: 1.00 |           |                            |
| 10:00 AM | **Cachexia & the Chronically Ill Patient**  
Ann Wortinger, BIS, LVT, VTS  
ID# 1053  CE: 1.00 | **Two Weeks to Recovery**  
Ann Wortinger, BIS, LVT, VTS  
ID# 1052  CE: 1.00 | **Anticoagulants**  
Tracy Webb, DVM, PhD  
ID# 1299  CE: 1.00 |
| 11:00 AM |                                         |           |                            |
| 12:00 PM |                                         |           |                            |
| 1:00 PM |                                         |           |                            |
| 2:00 PM |                                         |           |                            |
| 3:00 PM |                                         |           |                            |
| 4:00 PM |                                         |           |                            |
| 5:00 PM |                                         |           |                            |
AVMA Practice Profitability 
Core Sessions
TAKE YOUR PRACTICE TO THE NEXT LEVEL

Join this must-attend series of interactive, experiential learning sessions especially geared for the owner and practice manager. Discuss topics such as:

- **Finance** — Basic accounting principles and the use of financial ratios for tracking financial performance.
- **Operations** — Staffing, staff assignments, team building, and goal implementation as part of workplace culture.
- **Strategies** — The impact of client relationships on financial performance and improving internal functions and roles.
- **Economics/Marketing** — How the veterinary practice interacts with the U.S. economy and how to determine the size and competition of local veterinary markets.

**And New in 2017 – Dedicated Sessions on Budget Development and Market Share**

AVMA’s Practice Profitability Core Sessions are brought to you by:

- **AVMA**
- **VMG**
- **Henry Schein**
- **Banfield Pet Hospital**
- **VetPartners**

With support from

*Plus the Practice Profitability Core curriculum offers sessions at two learning levels, so there’s something for everyone!*

*Space in each session is limited.*
HANDS-ON EDUCATION

Looking to get hands-on education? Interactive labs and workshops are a can’t-miss on your convention agenda. It’s not too late to register. Check the registration desk for availability.

Interactive Labs

Saturday, July 22

8:00 - 9:50 AM
Dental Techniques for Technicians
ID# 2156
Patricia March
AUDIENCE: VT

2:00 - 4:50 PM
Anesthesia Ventilator Lab
ID# 1568
Heidi Reuss-Lamky
AUDIENCE: V/VT/S

2:00 - 5:50 PM
Digital Dental Imaging for Dogs and Cats
ID# 2153
Patricia March
AUDIENCE: V/VT/S

Sunday, July 23

8:00 - 9:50 AM
Nerve Blocks for Dental Patients
ID# 2157
Patricia March
AUDIENCE: V/VT/S

8:00 - 11:50 AM
RECOVER CPR - Practical Lab
ID# 1423
Kenichiro Yagi, Daniel Fletcher
AUDIENCE: V/VT

8:00 AM - 4:50 PM
Canine Acupuncture
ID# 1091
Ronald Koh, Mushtaq Memon, Huisheng Xie
AUDIENCE: V

2:00 - 5:50 PM
Stop Restraining, Start Training!
ID# 1514
Alicea Schaeffer-Howell
AUDIENCE: V/VT

2:00 - 5:50 PM
Tinkering with Anesthesia Machines – Maintenance 101
ID# 2219
Heidi Reuss-Lamky
AUDIENCE: V/VT

Check the Convention App or your registration badge ticket for room numbers.

(V) Veterinarian
(VT) Veterinary Technician
(PM) Practice Staff / Manager
(S) Student

1 Lab is hosted at an offsite location, shuttle buses are provided from Indiana Convention Center on Maryland Street.
2 Break from 12:00-1:00 PM, lunch not included
Note: Class sizes are limited, and additional fees apply.
Monday, July 24
8:00 - 9:50 AM (REPEAT OFFERING)
Nerve Blocks for Dental Patients
ID# 2157
Patricia March
AUDIENCE: V/VT/S

8:00 - 10:50 AM/1:00 - 4:50 PM (REPEAT OFFERING)
Small Ruminant Parasite Fecal Lab
ID# 1194
Pamela Walker
AUDIENCE: V/VT/S

8:00 - 11:50 AM
Scanning Global FAST Ultrasound Course
ID# 2716
Gregory Lisciandro
AUDIENCE: V
Sponsored by: E.I. Medical Imaging®

8:00 - 11:50 AM
Honeybee Health – Field Workshop
ID# 1390
Christopher Cripps, Meghan Milbrath, Kathleen Prough, Mike Seib
AUDIENCE: V

1:00 - 5:00 PM
Rabbit Wet Lab: Endotracheal Intubation and Ovariohysterectomy
ID# 1663
Nancy Johnston, Zoltan Szilagyi
AUDIENCE: V

Monday, July 24
8:00 - 11:50 AM/1:00 - 4:50 PM (REPEAT OFFERING)
Canine Extraction Hands-on Laboratory
ID# 1849
Kristin Bannon
AUDIENCE: V/S

8:00 - 11:50 AM
Poultry Potpourri Revisited!
ID# 1191
Patricia Wakenell
AUDIENCE: V

1:00 - 5:00 PM
Effusion Analysis: Maximizing The Diagnostic
ID# 1223
Holly Brown, Jessica Hess
AUDIENCE: V/VT/S

1:00 - 2:50 PM
Interpreting the CBC and Blood Film: Reading Between the Lines and Under the Scope
ID# 1222
Holly Brown, Jessica Hess
AUDIENCE: V/VT/S

4:00 - 5:50 PM
Toxicology Calculations Every Practitioner Should Know
ID# 1650
Charlotte Means
AUDIENCE: V/S

Workshops

Saturday, July 22
2:00 - 5:50 PM
Where Team Health, Retention, and Revenue Intersect:
How Well Do You Utilize Technicians?
ID# 2174
Kenichiro Yagi, Heather Prendergast
AUDIENCE: V/VT/PS/S

Sunday, July 23
8:00 - 9:50 AM
Interpreting Culture and Susceptibility Data in Dogs and Cats
ID# 1552
Dawn Boothe
AUDIENCE: V/S

8:00 - 10:50 AM
Bad Vein Workshop: Gaining IV Access To the Difficult Vein
ID# 1046
Amy Newfield
AUDIENCE: VT/S

1:00 - 2:50 PM
Basic Blood Gas Analysis
ID# 1678
Dana Clarke, Lori Waddell
AUDIENCE: V/S

(Sunday, Cont.)
1:00 - 5:00 PM
Honeybee Health – Field Workshop
ID# 1390
Christopher Cripps, Meghan Milbrath, Kathleen Prough, Mike Seib
AUDIENCE: V

2:00 - 4:50 PM
ECG Workshop for Technicians
ID# 2230
Kim Spelts
AUDIENCE: VT

Monday, July 24
10:00 - 11:50 AM
Effusion Analysis: Maximizing The Diagnostic
ID# 1223
Holly Brown, Jessica Hess
AUDIENCE: V/VT/S

1:00 - 2:50 PM
Interpreting the CBC and Blood Film: Reading Between the Lines and Under the Scope
ID# 1222
Holly Brown, Jessica Hess
AUDIENCE: V/VT/S

Poultry Potpourri Revisited!
ID# 1191
Patricia Wakenell
AUDIENCE: V

Rabbit Wet Lab: Endotracheal Intubation and Ovariohysterectomy
ID# 1663
Nancy Johnston, Zoltan Szilagyi
AUDIENCE: V

Canine Extraction Hands-on Laboratory
ID# 1849
Kristin Bannon
AUDIENCE: V/S
AVMA POSTERS | EXHIBIT HALL POSTER AREA

Saturday 12:00 PM – 4:00 PM  
Sunday 10:00 AM – 4:00 PM, Poster Presentations 3:00 PM – 4:00 PM  
Monday 10:00 AM – 4:00 PM

BEHAVIOR AND WELFARE

A01  
C-EAR  
Alexander Ocken, BS  
ID# 2250

A02  
How to Champion a Clinical Study  
Kathleen Smiler, DVM, DACLAM  
ID# 2201

A03  
Oromucosal Dexmedetomidine Gel in the Veterinary Practice  
Mira Korpivaara, DVM  
ID# 2322

A04  
Stray Dogs’ Population in Developing Countries  
Stella Huertas, DMTV, MSc  
ID# 2284

A05  
Survey Result Job Stress Bite Incident  
Sally Foote, DVM  
ID# 1895

A06  
Acquired Megaesophagus Attributed to Systemic Lupus Erythematosus  
Hayet Abbassi, DVM, PhD  
ID# 2258

A07  
Equine White Line Disease Treatment  
Teigen Bond  
ID# 2228

A08  
Surgical Repair of Shell Injury in Chelonians, A Report of Three Cases  
Missoh Erfadzadeh, DVM  
ID# 2223

A09  
Feed-Related Emergency Response  
Constance Jacobs, DVM, MPH  
ID# 2321

A10  
Bovine Acupuncture  
Breanna Estle  
ID# 2242

A11  
Wen the Diagnosis was a Deep Secret  
Sharon Tiberio, DVM, CertAqV  
ID# 2251

DR. JAMES H. STEELE ONE HEALTH

A12  
Alternatives to Antibiotics in Animal Agriculture  
Karin Hoelzer, DVM, PhD  
ID# 2318

A13  
Antimicrobial Use  
Chika Okafor, DVM, MS, PhD, DACVPM  
ID# 2292

A14  
Antimicrobial Usage Patterns Among Companion Animal Veterinarians  
Nathaniel Spofford, MPH  
ID# 2239

A15  
Campylobacter Infection Among Poultry Processing Employees  
John Gibbins, DVM, MPH  
ID# 2240

A16  
Animals and Zika Transmission  
Mark Freedman, DVM, MPH  
ID# 2243

A17  
One Health Surveillance: An Animal Health Approach  
Karen Meidenbauer, DVM, MPH; Karen Meidenbauer, DVM, MPH  
ID# 2262

A18  
Emerging Plasmid-Mediated Quinolone Resistance in Salmonella  
Beth Karp, DVM, MPH, DACVPM  
ID# 2248

A19  
Reaching Underserved Populations: One Health in Action  
Kendall Houlihan, DVM  
ID# 2254

PRACTICE MANAGEMENT

A20  
Embracing Collaborative Care  
Judith Gass, MBA  
ID# 2302

A21  
Bovine Veterinary Practitioners  
Frederic Ouedraogo, PhD  
ID# 2235

A22  
Does It Pay to Own a Practice?  
Michael Dicks, PhD  
ID# 2244

A23  
Stop Horsing Around: A Snapshot of the Equine Veterinary Profession  
Charlotte Hansen, MS  
ID# 2323

RESEARCH AND TECHNOLOGY

A24  
Antimicrobial Wound Sprays  
Brandico Barr, BS  
ID# 2237

2.00 CE Credit available for AVMA Posters. To claim credit, enter “POSTERCE” in the AVMA Convention App.
AVMA POSTERS | EXHIBIT HALL POSTER AREA

**Saturday 12:00 PM – 4:00 PM**

**A25**
Sequencing of Chlamydia abortus Identifies Genomic Variation
Stormy Scharzenberger, BS
ID# 2220

**A26**
Computational Drug Discovery for Frontotemporal Dementia (FTD) and Amyotrophic Lateral Sclerosis (ALS)
Yujin Kim, DVM
ID# 2222

**A27**
Evaluation of a Home Urinalysis kit
Matthew Tanner
ID# 2320

**A28**
Raw Manure and Food Safety
Michelle Jay-Russell, DVM, MPVM, PhD, DACVPM
ID# 2241

**A29**
Molecular Identification of Chicken Inflammasome
Tsang Long Lin, DVM, PhD
ID# 2236

**A30**
Olopatadine has High Antihistamine Effect in Horses
Taisuke Kuroda, DVM, PhD
ID# 1769

**A31**
Chronic Azotemic Kidney Disease
Rosalie Trevejo, DVM, MPVM, PhD, DACVPM (Epi)
ID# 2253

**A32**
Cooling Conditions for EDTA Whole Blood Samples
Leslie Serrano, BS
ID# 2245

**A33**
Animal Disease Surveillance
Karen Meidenbauer, DVM, MPH
ID# 2319

**A34**
Biosecurity
Brigetta Allen, DVM, MAM
ID# 2238

**A36**
Organophosphate and Carbamate Poisoning in Animals
Michelle Lasher, MS, LVT
ID# 1890

**A37**
The Indiana Veterinary College at Indianapolis
Howard Erickson, DVM, PhD
ID# 2324

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2.00 CE Credit available for AVMA Posters. To claim credit, enter “POSTERCE” in the AVMA Convention App.
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Presenter(s)</th>
<th>ID#</th>
<th>CE</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:00 PM – 2:15 PM</td>
<td>CASE REPORTS</td>
<td>Pulmonary Hemorrhage caused by a Staphylococcus aureus - Reoccurring Problem in Breeder Pullets in Canada</td>
<td>Darka Mitrauski, DVM, MSci, MAM, DACPV</td>
<td>2085</td>
<td>0.30</td>
</tr>
<tr>
<td>2:15 PM – 2:30 PM</td>
<td>CASE REPORTS</td>
<td>Case Report: Lessons Learned from a Retrospective Look at an Excessive Respiratory Disease Challenge – Confessions of a Field Veterinarian</td>
<td>David French, DVM</td>
<td>2001</td>
<td>0.30</td>
</tr>
<tr>
<td>2:30 PM – 2:45 PM</td>
<td>CASE REPORTS</td>
<td>Inclusion Body Hepatitis Outbreak in Commercial Broiler Chickens in California</td>
<td>Simone Stout, DVM, PhD, DACPV</td>
<td>2063</td>
<td>0.30</td>
</tr>
<tr>
<td>2:00 PM – 2:15 PM</td>
<td>DIAGNOSTICS</td>
<td>Update of Isolation and Genomic Characterization of the Newly Emerging Avian Reovirus Variants in Pennsylvania Poultry</td>
<td>Huaguang Lu, DVM</td>
<td>2048</td>
<td>0.30</td>
</tr>
<tr>
<td>2:15 PM – 2:30 PM</td>
<td>DIAGNOSTICS</td>
<td>Validation of Conversional PCR and Real-time PCR Assays for Rapid Detection of Fowl Adenoviruses from Clinical Avian Specimens and Laboratory Virus Isolation Samples</td>
<td>Huaguang Lu, DVM</td>
<td>1981</td>
<td>0.30</td>
</tr>
<tr>
<td>3:45 PM – 4:00 PM</td>
<td>IMMUNOLOGY</td>
<td>Efficacy of Simultaneous Injection of a new Generation Marek’s Serotype 1 Vaccine with Herpesvirus of Turkey (HVT) - vectored IBD or ND Vaccines Against Marek’s Disease, Newcastle and Gumboro Viruses Challenges</td>
<td>Andreas Herrmann, DVM</td>
<td>1922</td>
<td>0.30</td>
</tr>
<tr>
<td>4:00 PM – 4:15 PM</td>
<td>IMMUNOLOGY</td>
<td>Effect of Pullet Vaccination on Development and Longevity of Immunity</td>
<td>Emily Aston, DVM</td>
<td>2025</td>
<td>0.30</td>
</tr>
<tr>
<td>11:30 AM - 12:00 PM</td>
<td>Poultry Keynote</td>
<td>AAAP Opening Session</td>
<td>Hector Cervantes, DVM; Suzanne Dougherty, DVM, MS</td>
<td>2330</td>
<td>0.00</td>
</tr>
<tr>
<td>3:45 PM – 4:00 PM</td>
<td>PROTOZOA</td>
<td>Isolation of MG, Infectious Coryza, and IBV GA07 Variant in a Backyard Flock</td>
<td>Eric Shepherd, DVM</td>
<td>2312</td>
<td>0.30</td>
</tr>
<tr>
<td>4:15 PM – 4:30 PM</td>
<td>WELFARE</td>
<td>Evaluation of Cervical Dislocation Methods for Adult Chickens</td>
<td>Kate Barber, DVM</td>
<td>2096</td>
<td>0.30</td>
</tr>
<tr>
<td>2:45 PM – 3:00 PM</td>
<td>Poultry Medicine</td>
<td>High Mortality in Adult Broiler Breeder Chickens with Gallibacterium anatis and Escherichia coli Septicemias</td>
<td>Natalie Armour, BVSc, MAM, PhD, DACPV</td>
<td>2070</td>
<td>0.30</td>
</tr>
<tr>
<td>3:00 PM – 3:15 PM</td>
<td>Poultry Medicine</td>
<td>Further Investigations of Egg Production Drops in Commercial Brown Layers</td>
<td>Kelli Jones, DVM</td>
<td>2074</td>
<td>0.30</td>
</tr>
<tr>
<td>4:00 PM – 4:15 PM</td>
<td>Poultry Medicine</td>
<td>Early Onset Tenosynovitis and Isolation of Reovirus in Turkey Poulets</td>
<td>Yuka Sato, DVM</td>
<td>2067</td>
<td>0.30</td>
</tr>
<tr>
<td>4:30 PM – 4:45 PM</td>
<td>Poultry Medicine</td>
<td>Too Much of a Good Thing?</td>
<td>Jenny Fricke, DVM</td>
<td>2091</td>
<td>0.30</td>
</tr>
<tr>
<td>2:45 PM – 3:00 PM</td>
<td>IMMUNOLOGY</td>
<td>Next-generation Sequencing of Newcastle Disease Virus from Formalin-fixed Paraffin-embedded Tissues of Chickens and Wild Birds</td>
<td>Salma Latif Butt, DVM, MS</td>
<td>2078</td>
<td>0.30</td>
</tr>
<tr>
<td>3:00 PM – 3:15 PM</td>
<td>IMMUNOLOGY</td>
<td>Staphylococcus aureus Related Hemorrhagic Pneumonia in Broiler Breeder Chickens: Pathologic Findings with Emphasis on Histology</td>
<td>Emily Martin, DVM, MSc, DACPV</td>
<td>2003</td>
<td>0.30</td>
</tr>
<tr>
<td>3:30 PM – 3:45 PM</td>
<td>IMMUNOLOGY</td>
<td>The Use of a Chicken Astrovirus Group B ELISA to determine the seroprevalence of Group B Chicken Astrovirus associated with “White Chick” Disease in Broiler Breeders in the US and Canada</td>
<td>Gwenllyan Slacum, DVM</td>
<td>2073</td>
<td>0.30</td>
</tr>
<tr>
<td>3:45 PM – 4:00 PM</td>
<td>IMMUNOLOGY</td>
<td>Inclusion Body Hepatitis Outbreak in Commercial Broiler Chickens in California</td>
<td>Simone Stout, DVM, PhD, DACPV</td>
<td>2063</td>
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<td>PROTOZOA</td>
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<td>Yuka Sato, DVM</td>
<td>2067</td>
<td>0.30</td>
</tr>
<tr>
<td>4:30 PM – 4:45 PM</td>
<td>PROTOZOA</td>
<td>Case Report: Investigation into Acute Catastrophic Hatchability Loss and Increased Chick Brooding Mortality in a Raise-for-Release Northern Bobwhite Quail Hatchery Operation.</td>
<td>Douglas Anderson, DVM</td>
<td>1987</td>
<td>0.30</td>
</tr>
<tr>
<td>4:00 PM – 4:15 PM</td>
<td>WELFARE</td>
<td>Too Much of a Good Thing?</td>
<td>Jenny Fricke, DVM</td>
<td>2091</td>
<td>0.30</td>
</tr>
</tbody>
</table>
### POULTRY MEDICINE

**Saturday**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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</tr>
</thead>
</table>
| 7:30 AM – 8:05 AM | Introduction & Welcome  
Nathaniel Tablante, DVM, MPVM, MS, DACPV                                      | Nathaniel Tablante, DVM                              | 2329 | 0.00 |
| 7:30 AM – 7:35 AM | Current and Proposed Legislation Affecting the Broiler Industry                                        | Ashley Peterson, PhD                               | 2218 | 0.50 |
| 7:35 AM – 8:05 AM | The AVMA Governmental Relations Division and What They Do for Veterinarians and the Poultry Industry  
Mark Lutschaunig, VMD, MBA                                       | Mark Lutschaunig, VMD                              | 2229 | 0.60 |
| 8:05 AM – 8:30 AM | Basics of the Regulatory Process  
Anna O'Brien, DVM                                                | Anna O'Brien, DVM                                   | 2249 | 0.50 |
| 8:30 AM – 9:05 AM | Being a Veterinarian in Congress  
Kurt Schrader, DVM                                                | Kurt Schrader, DVM                                 | 2263 | 0.50 |
Lloyd Keck, DVM, DACPV, Nathaniel Tablante, DVM, MPVM, MS, DACPV | Lloyd Keck, DVM, DACPV, Nathaniel Tablante, DVM, MPVM, MS, DACPV | 1946 | 0.60 |
| 9:40 AM – 10:05 AM | The Rise and Fall of the Egg Bill  
Robert Krouse, MBA                                                 | Robert Krouse, MBA                                 | 2327 | 0.50 |
| 10:05 AM – 10:40 AM | Current and Proposed Legislation Affecting the Turkey Industry                                      | Alice Johnson, DVM                                 | 2328 | 0.50 |
Lloyd Keck, DVM, DACPV, Nathaniel Tablante, DVM, MPVM, MS, DACPV | Lloyd Keck, DVM, DACPV, Nathaniel Tablante, DVM, MPVM, MS, DACPV | 1946 | 0.60 |
| 11:20 AM – 12:00 PM | The Role of Industry/Laboratory/Government Collaboration in Disease Response Planning and Execution  
Paul Brennan, BS, BA                                              | Paul Brennan, BS, BA                               | 2224 | 0.70 |

**Sunday**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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</tr>
</thead>
</table>
| 8:00 AM – 8:15 AM | H9N2 Low Pathogenic Avian Influenza: Should We Be Afraid?  
David Suarez, DVM                                        | David Suarez, DVM                                  | 1907 | 0.30 |
| 8:15 AM – 8:30 AM | Evaluation of Avian Influenza Virus Transmission From Laying Hens to Eggs and Embryos as a Potential Means of Virus Spread  
Christopher Stephens, PhD                                 | Christopher Stephens, PhD                           | 1902 | 0.30 |
| 8:30 AM – 8:45 AM | Influence of Maternal Immunity on Vaccine Efficacy and Susceptibility of Commercial Broilers Against Highly Pathogenic Avian Influenza Virus  
Kateri Bertran Dolis, PhD                                    | Kateri Bertran Dolis, PhD                          | 1952 | 0.30 |
| 8:45 AM – 9:00 AM | Comparison of Recent US H5N2 and H7N8 Highly Pathogenic Avian Influenza Virus Isolates in Turkeys  
Erica Spackman, PhD                                          | Erica Spackman, PhD                                | 1901 | 0.30 |
| 9:00 AM – 9:15 AM | Laboratory Exercise on Surge Capacity of Highly Pathogenic Avian Influenza (HPAI) Virus Testing  
Arun Kulkarni, PhD                                            | Arun Kulkarni, PhD                                 | 1896 | 0.30 |
| 9:30 AM – 10:00 AM | H5N2 Low Pathogenic Avian Influenza Virus: Should We Be Afraid?  
David Suarez, DVM                                        | David Suarez, DVM                                  | 1907 | 0.30 |
| 9:45 AM – 10:00 AM | Infectivity, Pathogenicity and Transmissibility of Korean H5N6 Highly Pathogenic Avian Influenza Viruses in Pekin Ducks and Mallards  
Jinyong Noh                                             | Jinyong Noh                                          | 2109 | 0.30 |
| 10:00 AM – 10:15 AM | Clinical and Pathological Investigations of H5 HPAI Field Cases in Galliforms and Waterfowl, France, 2015-2016  
Jean-Luc Guerin, DVM                                         | Jean-Luc Guerin, DVM                               | 1998 | 0.30 |
| 10:15 AM – 10:30 AM | Next Generation Weather Radar (NEXRAD) as a Mechanism for Guiding Avian Influenza Surveillance  
Todd Kelman, DVM, MPVM, Todd Kelman, DVM, MPVM  
Arun Kulkarni, PhD                                           | Todd Kelman, DVM, MPVM, Todd Kelman, DVM, MPVM, Arun Kulkarni, PhD | 1988 | 0.30 |
| 10:30 AM – 10:45 AM | Reoccurrence of H5 Clade 2.3.4.4 Highly Pathogenic Avian Influenza Viruses in Wild Birds During 2016  
Dong-Hun Lee, DVM, PhD                                      | Dong-Hun Lee, DVM, PhD                             | 1979 | 0.30 |
<table>
<thead>
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<tbody>
<tr>
<td>1:30 PM – 1:45 PM</td>
<td>Evaluation of Infectious Bronchitis (IB) Vaccine Delivery for Broiler Hatchery Vaccination</td>
<td>John ElAttrache, PhD</td>
<td>2607</td>
<td>0.30</td>
</tr>
<tr>
<td>1:45 PM – 2:15 PM</td>
<td>Various Manifestations of Georgia 08</td>
<td>Philipp Stayer, DVM</td>
<td>1912</td>
<td>0.30</td>
</tr>
<tr>
<td>1:45 PM – 2:00 PM</td>
<td>Total IgA and IgG in Chicken Tears as Indicators of Early Vaccine Uptake Against Infectious Bronchitis</td>
<td>H. El Garch, PhD; A. Delvecchio, DVM; S. Lennier, DVM</td>
<td>1963</td>
<td>0.30</td>
</tr>
<tr>
<td>1:55 PM – 2:30 PM</td>
<td>Pathogenesis After Infection of Broilers With an Infectious Bronchitis Virus With Increased Enteric Tropism</td>
<td>Rüdiger Houck, PhD</td>
<td>1926</td>
<td>0.30</td>
</tr>
<tr>
<td>2:00 PM – 2:45 PM</td>
<td>Understanding Resistance to Different Infectious Bronchitis Virus Genotypes</td>
<td>Ana Paula Da Silva, DVM, MS</td>
<td>1914</td>
<td>0.30</td>
</tr>
<tr>
<td>2:45 PM – 3:00 PM</td>
<td>Analysis of Viral Population Composition of Mass and GA08 type IBV Using Next Generation Sequencing (NGS)</td>
<td>Ho-Jun Roh, DVM, PhD</td>
<td>2071</td>
<td>0.30</td>
</tr>
<tr>
<td>3:00 PM – 3:15 PM</td>
<td>IBV Infection in Ontario’s Poultry Flocks: An Update on the Changing Strains Over Time</td>
<td>Emily Martin, DVM, MSc, DACPV</td>
<td>2004</td>
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<tr>
<td>3:15 PM – 3:45 PM</td>
<td>Molecular Characterization and Bioinformatics Evolution Analyses of 40 Years of Brazilian IBV Variants</td>
<td>Claudia Carranza, MSc, DVM</td>
<td>1903</td>
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<tr>
<td>3:45 PM – 4:00 PM</td>
<td>Identification of an Infectious Bronchitis Coronavirus Strain Exhibiting a Classical Genotype but Altered Antigenicity, Pathogenicity, and Innate Immunity Profile</td>
<td>Shu-Yi Lin, MS</td>
<td>1891</td>
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<tr>
<td>4:00 PM – 4:15 PM</td>
<td>Replication Dynamics of CEK Cell-adapted ArkDPI Infectious Bronchitis Virus Vaccine in Chickens</td>
<td>Vicky van Santen, PhD</td>
<td>2032</td>
<td>0.30</td>
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<tr>
<td>4:15 PM – 4:30 PM</td>
<td>Assessment of the Binding Characteristics of Arkansas-type Infectious Bronchitis Virus Spike Proteins</td>
<td>Christina Leyson, PhD</td>
<td>2016</td>
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<tr>
<td>4:30 PM – 4:45 PM</td>
<td>Molecular Characterization of the New Arkansas GA Vaccine</td>
<td>Brian Jordan, PhD</td>
<td>2014</td>
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<tr>
<td>4:45 PM – 5:00 PM</td>
<td>The Development of a Vaccine Prototype for Infectious Bronchitis Virus Using Peptide Nanoparticles</td>
<td>Jianping Li, MS</td>
<td>1927</td>
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<tr>
<td>5:00 PM – 5:15 PM</td>
<td>Antigenic and Genetic Characterization of Variant Reoviruses Isolated in 2015 From Clinical Cases of Tenosynovitis</td>
<td>Holly Sellers, PhD</td>
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<tr>
<td>5:15 PM – 5:30 PM</td>
<td>Identification of an Infectious Bronchitis Coronavirus Strain Exhibiting a Classical Genotype but Altered Antigenicity, Pathogenicity, and Innate Immunity Profile</td>
<td>Shu-Yi Lin, MS</td>
<td>1891</td>
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<td>5:30 PM – 5:45 PM</td>
<td>Evaluation of Vaccine Competition Using HVT Vector Vaccines</td>
<td>John Dunn, DVM</td>
<td>2042</td>
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<td>5:45 PM – 6:00 PM</td>
<td>Vaccination with Siderophore Receptors and Porins Protects against Fowl Cholera Challenge by Heterologous Serotypes</td>
<td>Charles Carver, BSc</td>
<td>1947</td>
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<tr>
<td>6:00 AM – 6:15 AM</td>
<td>Tenosynovitis Outbreaks in Commercial Broiler Chickens Associated with Avian Reovirus Variants in California: A Pathogenicity Study</td>
<td>Manuelia Crispa, DVM, Manuelia Crispa, DVM</td>
<td>1941</td>
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<td>6:15 AM – 6:30 AM</td>
<td>Comparison of the Response to Intramuscular Injection of a Vaccine Against Salmonella Enteritidis in the Leg Versus the Breast in Commercially Reared Leghorn Pullets</td>
<td>Katharine Schlist, DVM</td>
<td>2000</td>
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<tr>
<td>6:30 AM – 6:45 AM</td>
<td>Replication Dynamics of CEK Cell-adapted ArkDPI Infectious Bronchitis Virus Vaccine in Chickens</td>
<td>Vicky van Santen, PhD</td>
<td>2032</td>
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<tr>
<td>6:45 AM – 7:00 AM</td>
<td>Assessment of the Binding Characteristics of Arkansas-type Infectious Bronchitis Virus Spike Proteins</td>
<td>Christina Leyson, PhD</td>
<td>2016</td>
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<td>7:00 AM – 7:15 AM</td>
<td>Molecular Characterization of the New Arkansas GA Vaccine</td>
<td>Brian Jordan, PhD</td>
<td>2014</td>
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<tr>
<td>7:15 AM – 7:30 AM</td>
<td>The Development of a Vaccine Prototype for Infectious Bronchitis Virus Using Peptide Nanoparticles</td>
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<td>1:45 PM – 2:00 PM</td>
<td>USDA-National Poultry Improvement Plan Update</td>
<td>Christina Lindsey, DVM, MSpvM, ACPV</td>
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<td>2:00 PM – 2:15 PM</td>
<td>Using GIS Based Surveys and Social Network Analysis (SNA) to Understand Disease Transmission in Backyard Poultry (BYP) Flocks in California</td>
<td>Myrna Cadena, BS</td>
<td>1985</td>
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<td>2:15 PM – 2:30 PM</td>
<td>Avian Influenza or Fungicide: That is the Question</td>
<td>Richard Fallon, DVM</td>
<td>1913</td>
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<td>2:30 PM – 2:45 PM</td>
<td>Hepatitis E Virus: Another Cause of Decreased egg Production and Increased Mortality in Layer and Broiler Breeder Hens. H.L. Shivaprasad California Animal Health and Food Safety Laboratory System, School of Veterinary Medicine, University of California, H Shivaprasad, DVM</td>
<td>ID# 2054 CE: 0.30</td>
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<td>5:00 PM – 5:15 PM</td>
<td>Challenges and Solutions for an Integrated Poultry Company to Comply with FDA’s Guidance for Industry #213, ‘New Animal Drugs and New Animal Drug Combination Products Administered in or on Medicated Feed or Drinking Water of Food Producing Animals: Recomme</td>
<td>Becky Tilley, DVM, DACPV</td>
<td>2061</td>
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<td>2:45 PM – 3:00 PM</td>
<td>Testicular Measurement Tools to Evaluate Male Broiler Breeder Fertility</td>
<td>Deirdre Johnson, DVM</td>
<td>1936</td>
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<td>3:00 PM – 3:15 PM</td>
<td>Skeletal Lesions Occur More Frequently in Turkeys that Die or are Culled Because of Persecution.</td>
<td>Dallas Clantz</td>
<td>2030</td>
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<td>3:30 PM – 3:45 PM</td>
<td>Review of Key Lesions of Importance in Broiler Chickens from HTSi Data</td>
<td>Sherilene Brookshire, DVM</td>
<td>1997</td>
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<tr>
<td>3:45 PM – 4:00 PM</td>
<td>Increased Incidence of Gizzard Erosions in Broiler Chickens and Turkey Pouls: a Consequence of Modern Poultry Farming?</td>
<td>H Shivaprasad, DVM</td>
<td>204</td>
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<tr>
<td>4:00 PM – 4:15 PM</td>
<td>Gross and Histopathologic Evaluation of Gizzard Erosions in Broilers</td>
<td>Jessica Hockaday, DVM</td>
<td>2076</td>
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<td>4:15 PM – 4:30 PM</td>
<td>Problem Solving Excess Mortality due to Chronic Polyserositis in Young Broilers (14-28 days of age) in a Large Commercial Broiler Complex</td>
<td>G. Donald Ritter, DVM</td>
<td>1982</td>
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<td>4:30 PM – 4:45 PM</td>
<td>Sentinel Bird Project: Southern Style</td>
<td>Timothy Cummings, DVM, MS, ACPV</td>
<td>1991</td>
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<tr>
<td>4:45 PM – 5:00 PM</td>
<td>Recommended Changes to the Elanco Broiler Disease Reference Guide are Valuable for Capturing Global Data on Severity and Incidence of Important Poultry Intestinal Diseases</td>
<td>Alexandre Zocche, MS</td>
<td>1958</td>
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<td>2:45 PM – 3:00 PM</td>
<td>Comparison of the Antimicrobial Susceptibility of Escherichia coli isolates Associated with Colliseptica in Commercial Turkeys to Sulfonamide Compounds via Disc Diffusion</td>
<td>Kabel Robbins, DVM</td>
<td>2090</td>
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<tr>
<td>8:00 AM – 8:15 AM</td>
<td>Fowl Cholera: Updated Control Strategies in US Broiler Breeders</td>
<td>Jaime Ruiz, DVM</td>
<td>2011</td>
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<tr>
<td>8:15 AM – 8:30 AM</td>
<td>Effects of Feeding Diamond V Original XPC on Avian Pathogenic E. coli Prevalence and Antibiotic Resistance of E. coli in Ceca Samples Taken From Commercial Broilers and Turkeys</td>
<td>Sharon Heins-Miller, DVM</td>
<td>1977</td>
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<td>8:30 AM – 8:45 AM</td>
<td>A Case of Erysipelothrix rhusiopathiae in Turkey Pouls</td>
<td>Seiche Genger, DVM, MSpvM, DACPV</td>
<td>2068</td>
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<td>8:45 AM – 9:00 AM</td>
<td>Enterococcal Spondylitis: A Disease of Economic Importance in Broilers Caused by Enterococcus cecorum</td>
<td>Daniel Karunakaran, DVM, PhD</td>
<td>2082</td>
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<tr>
<td>9:00 AM – 9:15 AM</td>
<td>Pathogenesis of Enterococcal Spondylitis</td>
<td>Laura Chen, DVM</td>
<td>2023</td>
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<td>9:15 AM – 9:30 AM</td>
<td>Prevention of Enterococcus cecorum Induced Spondylitis (kinkyback) Using Direct Fed Microbial Products in Feed</td>
<td>Meagan Slater, DVM</td>
<td>1899</td>
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**SAGAMORE 3**

**WEALTH OF KNOWLEDGE**

**WELFARE**

**ANTIBIOTICS**

**BACTERIA**
<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker</th>
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<tr>
<td>9:45 AM – 10:00 AM</td>
<td>Ornithobacterium rhinotraceale (ORT): Never Ending Story</td>
<td>Hafez Mohamed Hafez</td>
<td>2325</td>
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<tr>
<td>10:00 AM – 10:15 AM</td>
<td>Effects of Various Anticoccidials as Bio-shuttle Alternatives for Broilers Under a Necrotic Enteritis Challenge</td>
<td>Manuel Da Costa, DVM, PhD</td>
<td>2005</td>
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<tr>
<td>10:15 AM – 10:30 AM</td>
<td>Bacteriological Findings from Duodenal Samples with Focal Duodenal Necrosis</td>
<td>Ana Villegas, DVM, MS</td>
<td>2084</td>
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<tr>
<td>10:30 AM – 10:45 AM</td>
<td>A novel Global Multicentre Study on Necrotic Enteritis and Coccidiosis to be Conducted in 2017</td>
<td>Jeff Wilson, PhD, DVM</td>
<td>1939</td>
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<td>3:30 PM – 3:45 PM</td>
<td>Enteric Field Cases in Commercial Pullets and Layers</td>
<td>Alexandra Mendoza-Reilley, DVM, MS, DACPV</td>
<td>2027</td>
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<tr>
<td>3:45 PM – 4:00 PM</td>
<td>Intestinal Integrity Index: An Updated Tool for Evaluating Broiler Gut Health and Predicting Performance</td>
<td>Jeff Wilson, PhD, DVM</td>
<td>1940</td>
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<td>4:00 PM – 4:15 PM</td>
<td>Evaluation of a Probiotic Growth Promoter and its Impact on Intestinal Health, Immune Response and Productive Parameters</td>
<td>Andres Rodriguez-Avila, DVM, MSc</td>
<td>2021</td>
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<tr>
<td>11:15 AM – 11:45 AM</td>
<td>Early Poultry Vaccine Company Development: The Era of Entrepreneurs</td>
<td>John Donahoe, DVM, PhD</td>
<td>1970</td>
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<td>3:15 PM – 3:30 PM</td>
<td>Georgia’s Grower Biosecurity Education Effort for AI Prevention: Description, Results and Follow-Up</td>
<td>Louise Dyfour-Zavala, DVM, MAM, ACPV</td>
<td>2002</td>
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<td>3:45 PM – 4:00 PM</td>
<td>Incubation Issues and Their Impact on Broilers Performance</td>
<td>Danuta Furmanek, DVM</td>
<td>1898</td>
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<td>4:00 PM – 4:15 PM</td>
<td>Determination of a No-effect Level for Nicarbazin in Broiler Breeder Hens</td>
<td>Kenneth Bafundo, PhD</td>
<td>1973</td>
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<td>1:30 PM – 1:45 PM</td>
<td>Broiler Pen Study Comparing Different Salmonella Exposure Times in a Necrotic Enteritis Challenge Model</td>
<td>Koen Cookson, DVM, MAM, DACPV</td>
<td>2086</td>
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<tr>
<td>1:45 PM – 2:00 PM</td>
<td>Collection, isolation, and serotyping of Salmonella from house environmental samples and organs in broiler chickens</td>
<td>Martha Pulido Landinez, DVM, MS, PhD</td>
<td>1965</td>
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<tr>
<td>2:00 PM – 2:15 PM</td>
<td>Gut Microflora Composition Determines the Outcome of Campylobacter Jejuni Colonization in Chickens</td>
<td>Silke Rautenschlein, PhD</td>
<td>1983</td>
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<td>2:15 PM – 2:30 PM</td>
<td>Characterization of a New Bacteria, Ochrobactrum sp., as a Co-infectant with Newcastle Disease Virus in Chickens Experiencing High Mortality</td>
<td>David Swayne, DVM, PhD</td>
<td>1968</td>
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<td>4:45 PM – 5:00 PM</td>
<td>Poorly Feathered Broiler Chicken Flocks at Slaughter: A Retrospective Case-Control Study</td>
<td>Martine Boulianne, PhD</td>
<td>2065</td>
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<td>5:00 PM – 5:15 PM</td>
<td>Effect of Body Weight of Broiler Breeders at Transfer on Biochemical Parameters During Refeeding and Lay</td>
<td>Daniel Venne, DVM</td>
<td>2006</td>
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<td>2:45 PM – 3:00 PM</td>
<td>Control and Treatment of Gastrointestinal Nematodes with a Highly Stable, Effective, and Safe form of Fenbendazole (Safe-guard® AquaSol) Improves Commercial Broiler Performance</td>
<td>Blayne Mozisek, DVM</td>
<td>1930</td>
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<td>3:15 PM – 3:30 PM</td>
<td>Efficacy of Fluralaner Administered via Drinking Water Against Natural D. gallinae Infestations in Layers</td>
<td>Annie Sigognault Flochlay, DVM</td>
<td>1909</td>
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<td>3:30 PM – 3:45 PM</td>
<td>Increasing Impact of Red Mite (Dermanyssus gallinae) and Northern Fowl Mite (Ornithonyssus sylviarum) Infestations on Welfare in Layers, and Effect of a New Fluralaner Systemic Mite Treatment on Welfare-indicating Production Parameters</td>
<td>Annie Sigognault Flochlay, DVM</td>
<td>1904</td>
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<td>8:00 AM – 8:15 AM</td>
<td>A Field Study of Broiler Flocks in Latin America to Evaluate Zootechnical Parameters, Molecular Epidemiology, and Condemnation Indexes, with the use of a Live IBD Vaccine Versus HVT-IBD Vector and Immune-Complex Vaccines, in High IBDV Challenge Areas.</td>
<td>Ludio Gomes, DVM</td>
<td>1935</td>
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<td>8:15 AM – 8:30 AM</td>
<td>Recombinant Vaccine Could Control ND Problem in High ND Challenged Area</td>
<td>Husam Al Bakri, DVM</td>
<td>1893</td>
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<tr>
<td>8:30 AM – 8:45 AM</td>
<td>Double Recombinant Herpesvirus of Turkey for Protection Against Diseases Caused by Newcastle Disease Virus, Infectious Bursal Disease Virus and Marek’s Disease Virus.</td>
<td>Julio Cruz Coy, DVM, MS, PhD, DACPV</td>
<td>1994</td>
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<td>8:45 AM – 9:00 AM</td>
<td>Onset of Immunity of a New Double HVT-recombinant (rHVT-F-VP2) Vaccine</td>
<td>Rik Koopman, DVM</td>
<td>2099</td>
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<tr>
<td>9:00 AM – 9:15 AM</td>
<td>Immunological Response and Protection of Chickens Using an Attenuated Recombinant Newcastle Disease Virus Vaccine in ovo</td>
<td>Valerie Marcano</td>
<td>2278</td>
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<td>9:15 AM – 9:30 AM</td>
<td>Field Safety Studies of a Novel Laryngotracheitis-Newcastle Disease-Turkey Herpesvirus Recombinant Vaccine in Commercial Broilers</td>
<td>Faris Jirjis, DVM, PhD, DACPV</td>
<td>1974</td>
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<td>9:45 AM – 10:00 AM</td>
<td>Onset of Immunity of an HVT+IBD Vector Vaccine</td>
<td>Francisco Roja, DVM</td>
<td>1921</td>
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<tr>
<td>10:00 AM – 10:15 AM</td>
<td>Rapid and Specific Identification of Newcastle Disease Virus, Infectious Laryngotracheitis Virus and Avian Metapneumovirus by Real Time Reverse Transcriptase-polymerase Chain Reaction with an Internal Positive Control</td>
<td>Jongseo Mo, DVM</td>
<td>1995</td>
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<td>10:15 AM – 10:30 AM</td>
<td>The Impact of Day of Age Gel Spray on Hatchery Respiratory Vaccination</td>
<td>John McCarty, DVM, MAM</td>
<td>1916</td>
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<td>10:30 AM – 10:45 AM</td>
<td>Whole Genome Sequencing of Formalin-fixed Paraffin-embedded Pigeon Tissues Reveals Continuous Circulation and Evolution of Sub-genotype VIa Newcastle Disease Viruses in the United States</td>
<td>Kiril Dimitrov, DVM, PhD</td>
<td>2080</td>
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<td>10:45 AM – 11:00 AM</td>
<td>How to Create Broad IB Protection Against New Emerging IB Variants Around the World? Without Developing a New Vaccine for Every New IB Variant</td>
<td>Rik Koopman, DVM</td>
<td>2100</td>
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<td>11:00 AM – 11:15 AM</td>
<td>Safety and Protection Efficacy of Cell Line Adapted Infectious Laryngotracheitis Virus (ILTV) BdeltaORFC Strain Following in ovo Vaccination</td>
<td>Maricarmen Garcia, PhD</td>
<td>1951</td>
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<tr>
<td>1:15 PM – 1:30 PM</td>
<td>Prevalence of Oncogenic Viruses in Layers Flocks Displaying Tumors in Egypt</td>
<td>Tamer Sharofeldin, DVM, MVSc, PhD</td>
<td>2028</td>
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<td>1:30 PM – 1:45 PM</td>
<td>Development of CRISPR/Cas9 Transgenes to Target Marek’s Disease Virus</td>
<td>Karel Schat, DVM, PhD</td>
<td>1897</td>
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<td>1:45 PM – 2:00 PM</td>
<td>New Generation Marek’s Disease Serotype 1 Vaccine</td>
<td>Mariana Sa e Silva, DMV, MsC, PhD</td>
<td>2034</td>
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<td>2:00 PM – 2:15 PM</td>
<td>Genetic Characterization of Chicken Astroviruses Isolated in Southern United States</td>
<td>Alessandro Bando, DVM</td>
<td>2050</td>
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<td>2:15 PM – 2:30 PM</td>
<td>White Chick Syndrome Associated with Chicken Astrovirus in Ontario, Canada</td>
<td>Kathleen Long, DVM</td>
<td>1934</td>
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<td>2:30 PM – 2:45 PM</td>
<td>Expression of Chicken Parvovirus Structural Proteins VP1 and VP2 Using a Pichia pastoris System</td>
<td>Nastassia Ortega-Heinly, MA</td>
<td>2053</td>
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<td>8:00 AM – 8:15 AM</td>
<td>Core Genome Multilocus Sequence Typing Assay (cgmlst): A Global, Standardized and Reliable Method for Typing of Mycoplasma gallisepticum Mycoplasma synoviae (MS) and Mycoplasma iowae (MI) Multilocus Sequence Typing (MLST) Public Database</td>
<td>Mostafa Ghanem, DVM, MS, PhD</td>
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<td>8:15 AM – 8:30 AM</td>
<td>A Guide for the Use and Application of Mycoplasma synoviae (MS) and Mycoplasma iowae (MI) Multilocus Sequence Typing (MLST) Public Database</td>
<td>Mohamed El-Gazzar, DVM</td>
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<td>8:30 AM – 8:45 AM</td>
<td>Control of Mycoplasma Synoviae infections with the use of Nobilis MS-live vaccine</td>
<td>Rik Koopman, DVM</td>
<td>2098</td>
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<td>8:45 AM – 9:00 AM</td>
<td>Mycoplasma synoviae Field Isolate and Live Vaccine Evaluation</td>
<td>Naola Ferguson-Noel, PhD</td>
<td>2059</td>
<td>0.30</td>
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<tr>
<td>9:00 AM – 9:30 AM</td>
<td>One Company’s Quest to Eradicate Histomoniasis in Broiler Breeder Pullets</td>
<td>Mark Burleson, DVM, MS, DACPV</td>
<td>2104</td>
<td>0.30</td>
</tr>
<tr>
<td>9:15 AM – 9:45 AM</td>
<td>The Relationship Between Eimeria Oocyst Levels in Poultry Litter and Broiler Performance</td>
<td>Mark Jenkins, PhD</td>
<td>1945</td>
<td>0.30</td>
</tr>
<tr>
<td>10:00 AM – 10:15 AM</td>
<td>Evaluation of the Long Term Effect on Performance and Carcass Composition of Salinomycin Inclusion in Diets of Coccidiosis Vaccinated Broilers</td>
<td>Ivan Alvarado, PhD</td>
<td>2060</td>
<td>0.30</td>
</tr>
<tr>
<td>10:15 AM – 10:30 AM</td>
<td>Coccidiosis Control with a Hybrid (&quot;Bio-shuttle&quot;) Program</td>
<td>Linnea Newman, DVM</td>
<td>1980</td>
<td>0.30</td>
</tr>
<tr>
<td>10:45 AM – 11:00 AM</td>
<td>Comparison between McMaster and Mini-FLOTAC techniques for the enumeration of Eimeria oocysts in poultry excreta</td>
<td>Cristiana Bertoluzzi, DVM</td>
<td>1957</td>
<td>0.30</td>
</tr>
<tr>
<td>11:00 AM – 11:30 AM</td>
<td>The Effect of Single Species Coccidia Exposure on the Current Industry Broiler Genetic Strains When Exposed at Varying Ages</td>
<td>Sam Hendrix, DVM</td>
<td>2008</td>
<td>0.30</td>
</tr>
<tr>
<td>11:30 AM – 11:45 AM</td>
<td>Coccidial Metagenomics: High Throughput DNA Sequencing of Eimeria Species to Evaluate the Impact and Control of Coccidiosis on Broiler Operations</td>
<td>Ryan Snyder</td>
<td>2400</td>
<td>0.30</td>
</tr>
</tbody>
</table>
9:45 AM – 10:00 AM
Evaluation of ELISA Titers from Multiple Salmonella Vaccination Programs
Brenda Glidewell, MS
ID# 2044 CE: 0.30

10:00 AM – 10:15 AM
Development of a Rapid QCM-Based Pathogenic Salmonella Serovar Detection System: Preliminary Laboratory Results.
David Sierra, MSE, PhD
ID# 1984 CE: 0.30

10:15 AM – 10:30 AM
Understanding Antimicrobial Resistance in Salmonella Heidelberg Using RNA-Seq
Maurice Pitesky, DVM
ID# 1986 CE: 0.30

10:30 AM – 10:45 AM
Evaluation of Target Genes in the Salmonella Genome for the Selection of Autogenous Vaccine Strains
Roxana Sanchez Ingunza, PhD
ID# 2093 CE: 0.30

10:45 AM – 11:00 AM
Application of Infragenic Sequence Ribotyping and DNA microarray hybridization to resolve issues of disagreement with the Kauffman-White-LeMinor scheme for Salmonella enterica ISR group UN0006
Jean Guard, DVM, PhD
ID# 2035 CE: 0.30

11:00 AM – 11:15 AM
Comparison of a Live S. kentucky Isolate and a Commercial Live S. typhimurium Vaccine for Control of S. heidelberg in Broilers
Charles Hofacre, DVM
ID# 1908 CE: 0.30

11:15 AM – 11:30 AM
Natural Case and Experimental Infection of Salmonella arizonae in Commercial Broiler Chicks
Tina Yun-Ting Wang, DVM, MS, MAM, DACPV
ID# 1924 CE: 0.30

11:30 AM – 11:45 AM
Using Foodborne Outbreak Strains of Salmonella Heidelberg to Investigate Salmonella Colonization in Muscle, Bone, and Skin of Experimentally Infected Turkeys
Claire-Sophie Rinnet, DVM
ID# 2313 CE: 0.30
# AVIAN INFLUENZA

1. Assessing the Pathogenicity and Risk Fitness of Korean H9N2 Viruses in Mouse Models  
   Min Kang  
   ID# 2112

2. Efficacy and Safety of Inactivated Oil-emulsion H9N2 Vaccine Supplemented with Lactic-acid Bacteria  
   Jei-Hyon Jeong, DVM  
   ID# 2106

3. Infectivity and Transmissibility of Highly Pathogenic Avian Influenza Viruses in Mallards  
   Mary Pantin-Jackwood, DVM  
   ID# 1894

4. Optimization of Inactivated H5N9 HPAI Vaccine and Inactivated Salmonella Enterica Serovar Typhimurium Vaccine with Antigen Dose and Prime-boost Regimen In Domestic Ducks  
   Jiho Lee, DVM  
   ID# 2105

# BACTERIA

5. Bacteriological Investigation of Broiler Chickens with Lameness from 2012 to 2016, Korea  
   Seong-Joon Joh, DVM  
   ID# 2097

6. Clostridial Dermatitis: a Disease of Economic Concern  
   Kakambi Nagaraja, PhD  
   ID# 1942

7. Descriptive Analysis of Affected Focal Duodenal Necrosis Flocks Based on a Questionnaire Survey  
   Ana Villegas, DVM, MS  
   ID# 2079

8. Experimental Infection of Egg Laying Chickens with Clostridium perfringens Strains Isolated from Focal Duodenal Necrosis Lesions  
   Ana Villegas, DVM, MS  
   ID# 2081

# CASE REPORTS

10. Exploration of mcr-1 Associated Resistance in Avian Pathogenic Escherichia coli (APEC) and Avian Fecal E. coli (AFEC) from Production Birds in the US and Worldwide  
   Catherine Logue, PhD  
   ID# 2020

11. Reduction of Salmonella Enteritidis in Neonatal Broiler Chicks by Treatment of Probiotics  
   Kya-jik Kim, DVM  
   ID# 2107

13. Clinical Investigation of Three Breeder Flock Egg Production Drops  
   Marissa Garry, DVM  
   ID# 1969

   Joan Korsch, DVM  
   ID# 1943

15. Enzyme-Linked Immunosorbent Assay Using Chicken Parvovirus Recombinant VP1 and VP2 Derived From a Pichia pastoris Expression System  
   Roxanne Lapardo, BS  
   ID# 2057

16. Evidence for the Removal of the Pullorum-Typhoid Agglutination Test from the Requirements for the National Poultry Improvement Plan’s Salmonella Enteritidis Clean Classification  
   Doug Westman, PhD  
   ID# 1976

17. In vivo Validation of a qPCR for the Recovery of a New HVT-ND Vectored Vaccine Administered at Day-old Broiler Chicks  
   Andrea Delvecchio, DVM  
   ID# 1962

# BACTERIA

18. Necropsy Examination of Zebra Finches from a Single Laboratory Colony  
   John Roberts, DVM  
   ID# 2075

19. Next Generation Sequencing as a Tool for Disease Diagnosis in Poultry  
   Sunil Kumar, DVM, PhD  
   ID# 2102

# IMMUNOLOGY

   Calvin Keeler, PhD  
   ID# 2056

21. Impact of Feeding Programs on Immune Responses in Broiler Breeder Pullets  
   Enrique Montiel, DVM, PhD  
   ID# 2114

22. Local Innate Responses in Conjunctiva, Harderian gland and Trachea after Ocular or Oral Inoculation with a Virulent Strain of Infectious Laryngotracheitis Virus (ILTV)  
   Gabriela Beltrán, DVM  
   ID# 2089

# INFECTIOUS BRONCHITIS VIRUS

24. Administration of Infectious Bronchitis Vaccines by Gel Drop as an Alternative to Spray Vaccination of Day-old Broilers  
   Vilmos Palya, DVM, MSc  
   ID# 2018

25. Can We Improve Protection against US Variant IB Viruses by Adding the European Vaccine Strain 4/91 to a Conventional IBV Program?  
   Brian Ladman, PhD  
   ID# 2047

26. Isolation and Identification of Infectious Bronchitis Virus from Commercial Chickens in Peru  
   Melanie Caballero, DVM  
   ID# 1975

2.00 CE Credit available for AVMA Posters. To claim credit, enter “POULTRYCE” in the AVMA Convention App.
Carlos Jiménez, DVM, PhD
ID# 2092

28 The Mucolytic Effect of Commercial Expectorant with Herbal Extracts on Specific Pathogen Free Chickens Infected with Infectious Bronchitis Virus (IBV)
De Ye Lee
ID# 2108

29 Status of Disease Management and Veterinary Service Delivery for Increased Poultry Production
Anthony Akunzule, DVM
ID# 2128

VACCINOLOGY
36 A Biodegradable Microparticle Vaccine of Femtomole-dosed Peptide Antigens Protects Against Infectious Bursal Disease Virus and Shows Growth Promotion and Better Feed Efficiency in Chicken
Erfan Chowdhury
ID# 2039

37 Clinical Evaluation of the Continuous Use of a Vector Vaccine to Control Gumboro Disease in Colombia
Francisco Rojo, DVM
ID# 1955

38 Comparison of Optical and Digital Cellometry at the Hatchery to Monitor Cell Viability During Marek’s Vaccination
Santiago Cura, Ing.
ID# 2038

39 Expression of Partial Capsid Related Immuno-proteins of Adenovirus Serotype 4 as Vaccine Candidate by Utilizing Yeast Vector
Van Dom Lai, DVM
ID# 2012

40 Importance of the Immune System Integrity for the Development of Future Commercial Layers after a Single Application of the Turkey herpesvirus (HVT) Marek’s Vector Vaccine and Infectious Bursal Disease (IBD) Together with a SB-1 Vaccine
Francisco Rojo, DVM
ID# 1933

41 Quality Insurance Audits Implementation in the Context of Mass Application of Live Respiratory Vaccines of Poultry in Field Conditions
Natalie Mendez, DVM
ID# 1964

42 The Impact of Water or Gel Day of Age Spray on Chick Cloacal Temperature
John McCarty, DVM, MAM
ID# 1917

43 Assessment of Chicken Anemia Virus Association with Problem Farms in Colombia
Francisco Perozo, DVM
ID# 1993

44 Assessment of the Bioequivalence between Freeze dried Newcastle disease VG/GA strain vaccine AVINEW(R) and its Effervescent Tablet Presentation AVINEW NeO(R)
Francisco Perozo, DVM
ID# 1996

45 Differential Activation of Kinase Pathways during Marek’s Disease (MDV) Replication in vitro and in situ
Keith Jarosinski, PhD
ID# 1915

46 Effect of Infectious Bursal Disease Virus on the Clinical and Pathological Effects of Genotype VII Velogenic Venezuelan Newcastle Disease Virus
Rosmar Marcano Marti, MS
ID# 2088

47 Emergence of Runtling-Stunting Syndrome in Ontario, Canada
Marina Brash, DVM, DVSc, DACVP
ID# 1999

48 Evaluation of Feedstuffs for the Presence of Avian Influenza Virus (AIV) Collected from Feed Mills and Poultry Farms and Their Role in Spreading of AIV
Yuko Sato, DVM
ID# 2072

49 Isolation and Genetic Characterization of a Novel Pheasant-origin Orthoreovirus in Pennsylvania
Lin Lin, MS
ID# 1990

50 Isolation and Genotyping of Fowl Adenovirus Associated with Inclusion Body Hepatitis in Commercial Chickens in Peru
Melanie Caballero, DVM
ID# 1967

51 Molecular Characterisation and Monitoring of Avian Paramyxovirus type 1 in Poultry of Libya
Abdulwahab Kammon, PhD
ID# 2226
POULTRY POSTERS | ROOM SAGAMORE 1-2

Saturday 12:00 – 6:00 PM  Sunday 7:00 AM – 6:00 PM  Monday 8:00 AM – 6:00 PM  Tuesday 8:00 AM – 5:00 PM

52  Molecular Characterization of a Strain of Infectious Laryngotracheitis Upon Serial Passage in Eggs, Birds, and Tissue Culture
Cynthia Boettger, MS  ID# 2031

53  Mutations That May be Contributing to Antigenic Drift in Very Virulent Infectious Bursal Disease Viruses
Linda Michel, PhD; Daral Jackwood, PhD  ID# 1925

54  Promoter Efficacy Analysis of Long Terminal Repeat of Subgroup K Avian Leukosis Viruses
Weisheng Cao  ID# 2010

55  The Efficacy of Three Experimental Recombinant Turkey herpesvirus Vaccines against the H5N2 Highly Pathogenic Avian Influenza Virus from the 2014/2015 North American Outbreak
Kateri Bertran Dols, PhD  ID# 1950

56  2016 Poultry Health Management School: Continuing Education for the Poultry Health Professional
Robert Porter, DVM, PhD  ID# 2083

57  Molecular Characterization of Clinically Relevant Reoviruses
Rodrigo Gallardo, DVM, PhD, DACPV  ID# 2279

58  Molecular Characterization of Infectious Laryngotracheitis Virus Upon Serial Passage in Eggs, Birds, and Tissue Culture
Cynthia Boettger, MS  ID# 2031

59  Biosecurity: It’s Really Not Boring
Nathaniel Tablante, DVM, MPVM, MS, DACPV  ID# 2058

60  Case Report: Aggressive Melanoma in a Backyard Chicken
James Davis, DVM, MS, DACPV  ID# 2064

61  Challenges in Data Management Associated with a Multi-age Breeding and Growing Pheasant Operation
Rachel Reese  ID# 2066

62  Collaboration with Cuban Institutions
Joseph Giambrone, PhD  ID# 2037

63  Development of Optimal on Farm Composting Methods
Joseph Giambrone, PhD  ID# 2036

64  Evaluation of Medium Chain Fatty Acids Alone or with a Phytoic on Tom Turkey Performance and Lesion Development Following Challenge with Histomonas meleagridis
Nicholas Evans, PhD  ID# 2019

65  Poultry Diagnostic and Research Center Diagnostic Services has a new LIMS System. What Does That Mean for you?
Susan Williams, DVM  ID# 1938

66  The Prevalence and Severity of Skeletal Disease and Foot Pad Dermatitis in US Broiler Chickens between 1995 and 2016
Kenneth Opengart, MS, DVM, PhD, DACPV  ID# 1911

67  The Respiratory Microbiome of Chickens: Developing Protocols for Virome Analysis
Monique Robinson, BS  ID# 2033

68  VFD and Prescription Compliance and Solutions for Poultry Veterinarians
Steven Clark, DVM  ID# 1931

69  Field Trials of Low Atmospheric Pressure Stunning for the Depopulation of End of Lay Broiler Breeder and Layer Flocks in Alberta, Canada
Benjamin Schlegel, DVM  ID# 2110

WEALTH OF KNOWLEDGE

70  2.00 CE Credit available for AVMA Posters. To claim credit, enter “POULTRYCE” in the AVMA Convention App.
Support the American Veterinary Medical Foundation (AVMF) while sampling the best of Indianapolis's thriving food truck scene and enjoying the music of one of Indy’s best DJs. VIP tickets include early admission and access to VIP tents. For more information and to purchase tickets, please visit the AVMA Convention Website at: www.avma.org/Events/Convention.

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Try Claro®. The one and only FDA-approved canine otitis externa treatment featuring:

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- Vet administered to ensure compliance
- No work for your clients

BayerDVM.com/Claro

Claro® Otic Solution is approved for the treatment of ear infections in dogs caused by susceptible strains of yeast (Malassezia pachydermatis) and bacteria (Staphylococcus pseudintermedius). CAUTION: Federal (U.S.A.) law restricts this drug to use by or on the order of a licensed veterinarian. CONTRAINDICATIONS: Claro® should not be used in dogs known or suspected to be allergic to Claro® or any of its ingredients.

©2016 Bayer Shawnee Mission. Kansas 66201
Bayer, the Bayer Cross and Claro are registered trademarks of Bayer. CL17376
(florfenicol, terbinafine, metomase furoate)
Otic Solution

Antibacterial, antifungal, and anti-inflammatory
For Otic Use in Dogs Only

CAUTION: Federal (U.S.A.) law restricts this drug to use by or on the order of a licensed veterinarian.

DESCRIPTION:
CLARO® contains 16.6 mg/mL florfenicol, 14.8 mg/mL terbinafine (equivalent to 16.6 mg/mL terbinafine hydrochloride) and 2.2 mg/mL metomase furoate. Inactive ingredients include purified water, propylene carbonate, propylene glycol, ethyl alcohol, and polyethylene glycol.

INDICATIONS:
CLARO® is indicated for the treatment of otitis externa in dogs associated with susceptible strains of yeast (Malassezia pachydermatis) and bacteria (Staphylococcus pseudintermedius).

DOSEAGE AND ADMINISTRATION:
Shake before use.
CLARO® should be administered by veterinary personnel.
Administer one dose (1 dropperette) per affected ear. The duration of effect should last 30 days.
1. Clean and dry the external ear canal before administering the product.
2. Verify the tympanic membrane is intact prior to administration.
3. Remove single dose dropperette from the package.
4. While holding the dropperette in an upright position, remove the cap from the dropperette.
5. Turn the cap over and push the other end of the cap onto the tip of the dropperette.
6. Twist the cap to break the seal and then remove cap from the dropperette.
7. Screw the applicator nozzle onto the dropperette.
8. Insert the tapered tip of the dropperette into the affected external ear canal and squeeze to instill the entire contents (1 mL) into the affected ear.
9. Gently massage the base of the ear to allow distribution of the solution.
10. Repeat with other ear as prescribed.

Cleaning the ear after dosing may affect product effectiveness.

CONTRAINDICATIONS:
Do not use in dogs with known tympanic membrane perforation (see PRECAUTIONS).
CLARO® is contraindicated in dogs with known or suspected hypersensitivity to florfenicol, terbinafine hydrochloride, or metomase furoate.

WARNINGS:
Human Warnings: Not for use in humans. Keep this and all drugs out of reach of children. In case of accidental ingestion by humans, contact a physician immediately. In case of accidental skin contact, wash area thoroughly with water. Avoid contact with eyes. Humans with known hypersensitivity to florfenicol, terbinafine hydrochloride, or metomase furoate should not handle this product.

PRECAUTIONS:
Do not administer orally.
The use of CLARO® in dogs with perforated tympanic membranes has not been evaluated. The integrity of the tympanic membrane should be confirmed before administering the product.
Reevaluate the dog if hearing loss or signs of vestibular dysfunction are observed during treatment.
Use of topical otic corticosteroids has been associated with adrenocortical suppression and iatrogenic hyperadrenocorticism in dogs (see ANIMAL SAFETY).
Use with caution in dogs with impaired hepatic function (see ANIMAL SAFETY).
The safe use of CLARO® in dogs used for breeding purposes, during pregnancy, or in lactating bitches has not been evaluated.

ADVERSE REACTIONS:
In a field study conducted in the United States (see EFFECTIVENESS), there were no directly attributable adverse reactions in 146 dogs administered CLARO®.
To report suspected adverse drug events and/or obtain a copy of the Safety Data Sheet (SDS) or for technical assistance, contact Bayer HealthCare at 1-800-422-9674.
For additional information about adverse drug experience reporting for animal drugs, contact FDA at 1-888-FDA-VETS or online at http://www.fda.gov/AnimalVeterinary/SafetyHealth.

PHARMACOLOGY:
CLARO® Otic Solution is a fixed combination of three active substances: florfenicol (antibacterial), terbinafine (antifungal), and metomase furoate (steroidal anti-inflammatory). Florfenicol is a bacteriostatic antibiotic which acts by inhibiting protein synthesis. Terbinafine is an antifungal which selectively inhibits the early synthesis of ergosterol. Metomase furoate is a glucocorticosteroid with anti-inflammatory activity.

MICROBIOLOGY:
The compatibility and additive effect of each of the components in CLARO® solution was demonstrated in a component effectiveness and non-interference study. An in vitro study of organisms collected from clinical cases of otitis externa in dogs enrolled in the clinical effectiveness study determined that florfenicol and terbinafine hydrochloride inhibit the growth of bacteria and yeast commonly associated with otitis externa in dogs. No consistent synergistic or antagonistic effect of the two antimicrobials was demonstrated. The addition of metomase furoate to the combination did not impair antimicrobial activity to any clinically significant extent.

In a field study (see EFFECTIVENESS), at least 10 isolates from successfully treated cases were obtained for S. pseudintermedius and M. pachydermatis.

EFFECTIVENESS:
In a well-controlled, double-masked field study, CLARO® was evaluated against a vehicle control in 221 dogs with otitis externa. One hundred and forty-six dogs were treated with CLARO® and 75 dogs were treated with the vehicle control. All dogs were evaluated for safety. Treatment (1 mL) was administered once on Day 0 to the affected ear(s). Prior to treatment, the ear(s) was cleaned with saline. The dogs were evaluated on Days 0, 7, 14, and 30. Blood work and urinalysis were obtained on Day 0 and treatment Day 30 at study completion. Four clinical signs associated with otitis externa were evaluated: erythema, exudate, swelling, and ulceration. Success was based on clinical improvement at Day 30. Of the 183 dogs included in the effectiveness evaluation, 72.5% of dogs administered CLARO® solution were successfully treated, compared to 11.1% of the dogs in the vehicle-control group (p=0.0001).

ANIMAL SAFETY:
In a target animal safety study, CLARO® was administered aurally to 12-week-old Beagle puppies (4 dogs/group) at 0X, 1X, 3X, and 5X the recommended dose once every 2 weeks for a total dosing period of 28 days (3 times the treatment duration). No clinically relevant treatment-related findings were noted in hearing tests, body weight, weight gain, or food consumption. CLARO® administration was associated with post-treatment ear wetness or clear aural exudate, increased absolute neutrophil count, decreased absolute lymphocyte and eosinophil counts, suppression of the adenral cortical response to ACTH-stimulation, decreased adrenal weight and atrophy of the adrenal cortex, increased liver weight with hepatocellular enlargement/cytoplasmic change, and decreased thymus weight. Other potentially treatment-related effects included mild changes to AST, total protein, inorganic phosphorus, creatinine, and calcium.

STORAGE INFORMATION:
Store between 20°C-25°C (68°F-77°F), excursions permitted 15°C-30°C (59°F-86°F).

HOW SUPPLIED:
CLARO® solution is supplied in a single-use dropperette in a blister. Each dropperette contains one 1 mL dose.
CLARO® is available in cartons of two, ten, or twenty dropperettes.

NADA 141-440, Approved by FDA.
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EXHIBIT HALL

New Hours and New Reasons to Visit!

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<th>EXHIBIT HALL HOURS</th>
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<td>Saturday, July 22</td>
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<tr>
<td>Monday, July 24</td>
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EXHIBIT HALL OPENING
SATURDAY, JULY 22
12:00 PM

Get ready to start your engines! A new time to better accommodate your convention schedule! Immediately following the Keynote Brunch go to the Exhibit Hall Opening and be the first to check out more than 300 exhibitors offering today’s latest products and solutions.

EXTENDED EXHIBIT HALL BREAKS
You’ll have plenty of time to stop in and visit the Exhibit Hall during lunch hours and afternoon breaks! We’ll have 8 unopposed hours where you can explore the exhibits without missing out on CE sessions and events. Grab a bite or beverage and catch up with exhibitors. Check out Lunchtime Learning and Refresher Session opportunities during the afternoon breaks on Sunday - Monday, July 23 & 24, 3:00-4:00 PM. For more information on Lunchtime Learning and Refresher Session opportunities view page 18.

VET CLINIC LIVE!®
This interactive, educational experience will allow you to view the latest products and technologies in the veterinary field right from a veterinary facility created on the Exhibit Hall floor! For additional information see removable Exhibit Hall Map.

AVMA POSTER PRESENTATIONS
New in 2017! Don’t miss out on educational posters in the Exhibit Hall. These posters will highlight the latest research and innovative ideas from practitioners and students alike. Authors will be on hand to showcase their posters and answer questions on Sunday, July 23, 3:00-4:00 PM. Posters will be located in the back of the Exhibit Hall, between Aisles 600 and 700.
AVMA PAVILION
Stop by the AVMA Pavilion, booth 701, to interact with the entire AVMA Family: AVMF, AVMA LIFE, AVMA PLIT as well as the IVMA. Give the Wheel of Well-Being a spin for a chance to win fun giveaways, check out the newly launched JAVMA app, find out what’s new in National and State advocacy efforts and visit with the VCC and learn about the exciting on-site promotions for employers and job seekers.

AVMA CONVENTION IN THE PALM OF YOUR HAND!
The AVMA Convention App lets you browse education sessions, build your personalized convention agenda, navigate the Exhibit Hall, and stay up-to-date on your iPhone, iPad, Android, tablet or desktop computer.

VetAdventure: Mobile Passport
Download the AVMA Convention App and play VetAdventure to win great prizes! Explore the Exhibit Hall and complete fun trivia questions to earn points. Reach 1,000 points by Monday, July 24 at 1:00 PM, and you will be automatically entered to win one of three $1,000 gift cards! Winners will be contacted by AVMA Pavilion staff by 3:30 PM on Monday.

EARN CE
Learn as you go through the Exhibit Hall and earn up to 2 CE credit hours. Be sure to check with your state licensing board to ensure that Exhibit Hall credits are accepted in your state.

LUNCH IS ON US!
All full convention Veterinary and Veterinary Technician registrants will receive a $15 credit to be used at the Exhibit Hall Café during Exhibit Hall hours. Don’t miss out on this great perk! Credit will be in the form of a debit card. Limit one per person. Card is not redeemable for cash and cannot be replaced if lost, stolen, or destroyed. Available while supplies last. Additional lunch information can be found on page 8.

SUNRISE, LUNCHTIME CONNECTIONS, AND REFRESHER SESSIONS
Stop by the AVMA CE Theatres for an array of sponsored sessions highlighting new veterinary products or services daily in the hall. For more information see CE Session Grid on page 22 and Lunchtime Learning Opportunities on page 18.

EXHIBITOR AWARDS
Who will take home the bragging rights this year? Awards will be presented for the below categories starting at 1:00 PM on Saturday, July 22 along with an announcement and push notification. Awards will be brought and presented to the winning booths.

• Best of Show Island Booth
• Best of Show Linear Booth (300 sq ft and greater)
• Best of Show Linear Booth (200 sq ft and less)
• Most Innovative/Interactive Booth Design
• Best New Exhibitor

NEW this year: Our Passion, Our Profession Award
We know you are working year round, show after show. This new award is to recognize all your hard work and is awarded to the company with the most outstanding exhibit staff at AVMA Convention 2017.

Convention Attendees will vote via the Convention App for the booth that they think truly exemplifies the AVMA vision, mission and values, including protecting, promoting and advancing a strong, unified veterinary industry. Voting closes at 4:00 PM on Sunday, July 23 and the winner is announced at 11:00 AM on Monday, July 24.
AVMA Convention 2018
CALL FOR ABSTRACTS

The search is now on for those wanting to present educational content for AVMA Convention 2018, which will take place July 13-17, 2018 in Denver, Colorado at the Colorado Convention Center. AVMA is looking for professionals interested in sharing their knowledge and expertise to an audience of Veterinarians, Veterinary Technicians, Students, Practice Staff, and others related to the veterinary medical field.

AVMA strives to provide a broad range of continuing education that will enhance the professional competency of convention attendees. In an effort to provide meaningful, current, and relevant educational programs, sessions need to be interesting and informative for both the newcomer and the experienced professional.

This is a significant opportunity to share your knowledge with the veterinary community. Abstracts are being accepted in the following curriculum tracks:

- Companion Animal Medicine
- Food Animal/Equine
- Practice Management
- Professional Development
- Public & Corporate Practice
- Veterinary Technology
- Interactive Laboratories/Workshops
- Poster Presentations

Helpful Information

- ONLY those abstracts submitted via the official AVMA abstract submission site will be considered.
- You need your AVMA membership or AVMA ID and password to login to the abstract submission site.
- You do not need to be a member of AVMA to submit an abstract.
- Abstracts being submitted will be reviewed by the Convention Education Program Committee (CEPC).
- Abstract Submission Site closes on September 30, 2017.

For additional information visit avmaconvention.org
Every practice is interested in keeping clients and many tactics have been tried...but what are the ones that work?

Join award-winning speakers Dr. Karen Felsted and Karyn Gavzer as they bring you **We’re at a Tipping Point: Believe You Can Achieve**, a new, case-based workshop focused on practical strategies that have demonstrated success in bringing in and holding onto the kind of clients you want.

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- Reactivating lapsed clients
- Retaining current clients
- Developing champions in your practice
- And more...

**SPEAKERS**

Dr. Karen Felsted, CPA, MS, DVM, CVPM, CVA
Karyn Gavzer, MBA, CVPM

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**We’re at a Tipping Point: Believe You Can Achieve**

Sunday, July 23rd from 9am until 11:50am
Sagamore 6-7
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Visit AVMA 701 and/or AAHA 1019 in the exhibit hall for more information about PHP.

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Visit [partnersforhealthypets.org](http://partnersforhealthypets.org) for more information
KEYNOTE BRUNCH

PAUL SERENO
Insights for One Health from Centuries and Millennia Past

Saturday, July 22
10:00 AM – 12:00 PM
Doors Open 9:45 AM
Indiana Convention Center, Hall JK

Join us for brunch, learn what is new at the AVMA and hear from keynote speaker Paul Sereno. Earn 1.00 CE credit!

Paleontologist. Explorer. Champion of One Health. That’s Paul Sereno. And we are honored to have him as our keynote speaker.

As veterinarians, no one is more passionate about maintaining and enhancing the bond between animals and people and the concept of One Health. We all have a duty to support, encourage and practice One Health.

Paul will share fascinating updates of how new developments in genetics, ancient DNA and paleoanthropology are giving us a whole new perspective on what actually happened in past animal-human health crises like the Plague. And he’ll share with us how new fossils and human development have yielded major insights into the timing of evolutionary changes to the human body.

The Keynote Brunch is open to full convention registrants, including veterinarians, technicians, practice staff, and students. Seating is first-come, first-served. Guests and exhibitors are invited to attend a Viewing Party in Room 130-132.

Sponsored by
EXHIBITOR DESCRIPTIONS
as of June 14, 2017

3M Animal Care
Booth: 404
www.3M.com/animalcare
At 3M, science lies at the heart of everything we do. We apply the right science the right way to touch people worldwide – generating breakthroughs that make their lives better, easier and more complete. We are a leader among corporations that use science to make amazing things. No one applies science to life the way we do. 3M Animal Care – providing quality products to the animal health industry for more than four decades!

911 Pet Chip™
Booth: 736
www.911petchip.com
911PetChip sells ISO, 134.2 kHz microchips as low as $6.63 per chip FREE, Unlimited, Lifetime Registration. BEST combined microchip Registration PRICE in North America...Bar none! Readable by ANY Universal Scanner. Stop by booth 736 for a FREE microchip sample and to preview the all new 911TinyChip with a less invasive 16-gauge needle.

AAHA American Animal Hospital Association
Booth: 1019
www.aaha.org
AAHA-accredited practices are Champions for Excellent Care. AAHA is the only organization that accredits veterinary practices in the US and Canada, and today, more than 3,700 veterinary teams are AAHA accredited. Becoming an AAHA-accredited practice makes a difference in the level of care and service you provide, in your business success, and in your practice culture.

Abaxis
Booth: 911
www.abaxis.com

Abby Glen Pet Memorial Park
Booth: 1428
www.AbbeyGlen.com
For 40 years, Abbey Glen has been committed to providing full service after care to the veterinary community. Stop by our booth to see the new innovative Pawpals to use in your hospital, no more clay!

Advanced Veterinary Ultrasound
Booth: 1124
www.advancedveterinaryultrasound.com

Aesculight Surgical Lasers
Booth: 400
www.aesculight.com
NO DISPOSABLES! AMERICAN MADE! Exclusive flexible fiber, tipless handpiece. Aesculight™ Lasers from LuxarCare™ are the only veterinary CO2 surgical lasers designed, built, and serviced in the USA. Aesculight lasers feature built-in clinical atlas, customizable controls, exclusive accessories and clinical precision with the lowest cost of ownership and upgradability.

AKC Reunite
Booth: 1122
www.akcreunite.org
Even the most loved pets can get lost. Combine the power of microchips and collar tags with our nationwide recovery system to reunite you and your pet.

Alley Cat Allies
Booth: 1826
www.alleycat.org
Alley Cat Allies is the national engine of change for cats. We are seen around the world as a global champion for the humane treatment of all cats.
Alley Cat Allies pursues three main goals: Changing Communities for Cats, Saving Cats’ Lives in Shelters, and Protecting Cats in Society.
We work toward a world where every cat is valued and protected and every community and shelter has policies and programs to save their lives.

All Vet Imaging, LLC
Booth: 435
www.allvetimaging.com

American Association of Laboratory Animal Science
Booth: 1721
www.aalas.org
The American Association for Laboratory Animal Science (AALAS) is a membership association of professionals employed around the world in academia, government, and private industry who are dedicated to the humane care and treatment of laboratory animals, as well as the quality research that leads to scientific gains that benefit people and animals. AALAS is dedicated to building and disseminating a knowledge base in laboratory animal science for the education and training of those who work in this field.

American Association of Feline Practitioners (AAFP)
Booth: 1701
www.catvets.com
The American Association of Feline Practitioners (AAFP) is an organization of veterinary professionals who are dedicated to the health and welfare of cats by supporting high standards of practice, continuing education, and scientific investigation. The AAFP has feline practice guidelines and client brochures available at www.catvets.com. For info on the Cat Friendly Practice Program visit www.catvets.com/cfp or our annual conference at www.catvets.com/education.
Email: info@catvets.com

American Association of Industry Veterinarians (AAIV)
Booth: 1709
www.aaivet.org
For veterinarians working in industry or those looking for non-practice opportunities, AAIV provides representation on AVMA House of Delegates, compensation surveys, networking opportunities, webinars tailored toward industry and opportunities to serve on AVMA councils, committees and task forces. Join us at our Networking Reception Saturday, July 22 from 6:00 - 7:30 PM in Room 313 of JW Marriott, right after the Career Transition Workshop.

American Association of Rehabilitation Veterinarians
Booth: 1825
www.aarv.org
The American Association of Rehabilitation Veterinarians (AARV) is a national association of veterinary professionals dedicated to improving the quality of life of animals through physical rehabilitation. Our members come from a variety of disciplines and have diverse educational backgrounds. They bring their collective experience and expertise to the field of rehabilitation, providing their patients with exemplary care.

American Association of Veterinary State Boards (AAVSB)
Booth: 1713
www.aavs.org
AAVSB is there for the life of your license! Keep all your continuing education information in one place with our FREE CE tracking system available at aavsb.org. This FREE system also allows licensees to send CE reports to their licensing boards for the license renewal process. The AAVSB is a non-profit association of regulatory boards in veterinary medicine. Our mission is to support and advance the regulatory process for veterinary medicine.
We also provide vital news, information and necessary and humane animal research. We build understanding and appreciation for research. We focus on public outreach to protecting your investment in biomedical progress.

American College Of Veterinary Ophthalmologists
Booth: 1806
www.acovo.org

American College Of Veterinary Preventive Medicine (ACVPM)
Booth: 620
www.acvpm.org
The American College of Veterinary Preventive Medicine (ACVPM) is an AVMA-recognized veterinary specialty organization with over 700 Diplomates. ACVPM offers board certification in preventive medicine as well as the option of a specialty in epidemiology. ACVPM diplomates have access to on-line continuing education opportunities, training programs, and professional networking opportunities. Pursuing board certification in preventive medicine through ACVPM is the natural next step as one strengthens and deepens his or her knowledge and abilities in the field.

American Express Open
Booth: 608
www.americanexpresscom/us/small-business/credit-cards

American Holistic Veterinary Medical Association
Booth: 1703
www.ahvma.org
The American Holistic Veterinary Medical Association is the mindful leader elevating the veterinary professional through innovation, education, and advocacy of integrative medicine. The objectives of the AHVMA are:
• to advance and educate in the science and art of holistic veterinary medicine
• and to promote the health and welfare of all species of animals and to extend to the agricultural community and to the community at large.

American Kennel Club
Booth: 1705
www.akc.org
The AKC Veterinary Outreach Program serves as a bridge between the American Kennel Club and the veterinary community. Our goal is to provide the most up-to-date information on purebred dogs & to be the go-to resource for all aspects of dog training, clubs and activities for people and all dogs.

Americans for Medical Progress
Booth: 1727
amprogress.org
Americans for Medical Progress is dedicated to protecting your investment in biomedical research. We focus on public outreach that builds understanding and appreciation for necessary and humane animal research. We also provide vital news, information and analysis to biomedical research stakeholders to ensure they have the resources they need to deflect campaigns that threaten the future of medical progress.

American Society of Laboratory Animal Research (ASLAP)
Booth: 1719
www.aslap.org
ASLAP is a nonprofit member association whose mission is to advance laboratory animal medicine and welfare through member development and representation in the greater professional community. We achieve this through advocacy, education & collaboration.

American Veterinary Communications
Booth: 1605
www.americanveterinarian.com
American Veterinarian™ is owned by Intellisphere, LLC, a leading provider of health care publishing, research, information, and education. Operating within both traditional and digital media channels, Intellisphere serves the needs of health care professionals through an extensive suite of magazines, journals, e-mail databases, Web sites, events, and personal meetings.

American Veterinary Medical History Society
Booth: 1819
www.cornell.edu
AVMHS encourages understanding and appreciation of the rich historical heritage of the veterinary medical profession through education, research, and publication. New members are welcome to join at any time.

American Veterinary Society of Animal Behavior
Booth: 1707
www.avsabonline.org
The American Veterinary Society of Animal Behavior (AVSAB) is a group of veterinarians and research scientists dedicated to improving the lives of animals and people through an understanding of animal behavior.

American Eye Clinic
Booth: 335
www.indyanimaleyeclinic.com
Animal Eye Clinic is a local, specialty ophthalmology clinic in Carmel, IN, here to make pets see and feel better! Let us show your patients the world around them!

ANTECH Diagnostics
Booth: 311
www.antechdiagnostics.com
ANTECH Diagnostics, the nation’s leading veterinary diagnostic laboratory, provides the highest quality and broadest range of testing with courier and FedEx service to any location in the country. ANTECH provides consultation services, client education programs, and web-based laboratory results management system via ANTECH ONLINE exclusively to clients free of charge.

Arbor Day Foundation
Booth: 1829
www.arbor.org
Our Trees for Pets Program will help you make a meaningful impact on your clients. Planting trees in celebration or as memorials for your clients’ pets is a thoughtful way to show you care. Each tree will grow and prosper, creating a greener world and serving as a lasting reminder of a faithful companion.

Army Veterinary Recruiting
Booth: 426
www.goarmy.com
Please visit the Army booth and speak with a recruiter about full time or part-time career opportunities in the United States Army or Army Reserves.

Ashworth College
Booth: 834
www.ashworthcollege.edu
Ashworth College offers unique distance education opportunities for veterinary technicians, veterinary assistants, and dog obedience trainers.

ASPCA Animal Poison Control Center
Booth: 1723
aspca.org/poison
The ASPCA APCC has specially trained veterinary toxicologists on-duty 24/7/365. We are dedicated to providing the most medically useful veterinary poison and drug information possible. Our staff veterinarians have a wide range of information specific to animal poisoning. They also have an extensive collection of individual cases—over 2.5 million—involving pesticide, drug, plant, metal and other exposures in food-producing and companion animals.

Assisi Animal Health
Booth: 1136
www.assisianimalhealth.com
Assisi Animal Health offers a new approach to inflammation and pain reduction. The Assisi Loop, an FDA-cleared NPAID (Non-Pharmaceutical Anti-Inflammatory Device), has demonstrated through laboratory testing to have a proven effect on the known biochemical and cellular mechanisms of action related to inflammation, with results published in peer-reviewed journals. Learn more about the technology, the research, and the veterinary applications from the Assisi Team.
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Association of Professional Dog Trainers (APDT)
Booth: 1811
www.apdlt.com

Auxiliary to the AVMA - Kritters Korner
Booth: 1425
www.avmaaux.org
Kritters Korner is a charming boutique filled with veterinary and animal gifts. The Auxiliary to the AVMA will be celebrating its 100th anniversary this year. Our mission is to assist the advancement of the science & art of veterinary medicine and to strengthen communication among those associated with the veterinary profession.

Avid Identification Systems Inc.
Booth: 606
www.avidid.com

AVMA LIFE
Booth: 718
avmalife.org
Since its establishment in 1957, the AVMA LIFE Trust has offered veterinarian-inspired coverage. We align insurance benefits with your needs to help you save money and protect your family. AVMA LIFE insurance plans include disability, life, accidental death and dismemberment, hospital indemnity, professional overhead expense, basic protection, and long-term care.

AVMA Pavilion
Booth: 701
www.avma.org
The AVMA, founded in 1863, is the world's oldest and largest veterinary medical organization. More than 89,000 member veterinarians are engaged in professional activities ranging from private practice to public health. The AVMA is dedicated to advancing the science and practice of veterinary medicine to improve animal and human health.

AVMA PLIT
Booth: 718
www.avmaplit.com
The AVMA PLIT delivers the most complete and supportive professional insurance program available to veterinarians. The PLIT's comprehensive program gives you all the protection you need throughout your career. This includes professional liability, license defense, and business insurance policies that have unique terms and provisions tailored to veterinarians, giving you greater protection and control.

AVMA’S Vet Clinic Live!™
Booth: 1525
www.avma.org
AVMA’S Vet Clinic Live!® is a new concept in the AVMA Exhibit Hall! Visit this facility to see curated vendors feature the newest and most innovative products and services for improving patient care and treatment. 20-minute live-action demos will revolutionize the way you learn about new products! Extra bonus – Vet Clinic Live!® is also a VetAdventure stop!

AZ Pet Vet
Booth: 1505
www.azpetvet.com
AZ Pet Vet is a group of 21 small animal hospitals in Phoenix, Arizona.

Banfield Pet Hospital
Booth: 1401
www.banfield.com
Founded as a small companion animal practice in Portland, OR, Banfield has been focused on preventive care since its inception in 1955 and has grown to become the largest veterinary care practice in the world. In 2007, Banfield joined the Mars, Inc. family of businesses, and today it is more than 975 hospitals strong in neighborhoods across the United States and Puerto Rico.

Bankers Healthcare Group, Inc.
Booth: 411
bankershealthcaregroup.com
Bankers Healthcare Group provides innovative, hassle-free financial solutions exclusively to healthcare professionals.

Bank of America Practice Solutions
Booth: 506
www.bankofamerica.com/practicesolutions
Bank of America Practice Solutions specializes in financing for new and existing veterinary practices providing loans for equipment, practice sales/acquisitions, relocations, expansions, remodeling, new practice start-ups, refinancing, business debt consolidation, owner occupied commercial real estate & more. Come visit us at our booth or call (800) 360-0667 to discuss your specific financing needs.

Banyan
Booth: 733
www.gobanyan.com
Banyan is a social media marketing SaaS that believes the best doctors deserve the best patient relationships and provides tools and services to facilitate them. Banyan offers the only HIPAA-compliant patient photo and review sharing app and provides personalized websites and social media advertising services for dentists’ and doctors’ offices. Real patient photos and reviews are the most engaging way to attract the best patients because they relate to real people who are like them.

Bayer Healthcare
Booth: 709
www.bayerDVM.com

BCP Veterinary Pharmacy
Booth: 1110
www.bcpvetpharm.com
BCP Veterinary Pharmacy Celebrates 22 Years Of Animal Only Compounding. All BCP medications are tailor-made specifically for each patient. Our pharmacists work closely with veterinarians to meet individual drug therapy needs for both small and large animals including pets, exotics, and zoo animals. BCP PZI® Bovine Insulin is the only continuous source for the treatment of feline diabetes since 1996. Let BCP solve all your compounding needs.

BirdEye
Booth: 233
birdeye.com
Get more reviews, more referrals, and more walk-ins with no extra work on your end! BirdEye automatically sends real-time SMS and emails to your clients right after a visit, and sends patients to crucial veterinarian review sites like Google, Facebook, and more. Even if you don’t have a Practice Management System, BirdEye works the way you do to automate the entire review collection process. On average, businesses receive 650% more reviews per year with BirdEye.

Black Diamond Radio
Booth: 1202
www.customearpiece.com
Custom Earpiece is the industry leader in providing communication solutions to 1,000s of veterinary offices. This year we are introducing our new digital 240 radio! Now our CLEARTEST and LOUDEST radio. Compatible with earlier models, but now comes with a new private call feature! Still ultra-durable, small, and light weight. Visit us at booth #1202 or call 800-711-7317 to take advantage of our show specials.

Blissful Dog Inc.
Booth: 1536
www.theblissfuldog.com
BLISSFUL DOG INC.
310 N. WOOD, STE 120
PARKER, CO 80138
www.theblissfuldog.com
Blue Buffalo
Booth: 601
www.TrueBlueVets.com
Developed by veterinarians and animal nutritionists to nutritionally manage pets’ specific medical conditions, the BLUE Natural Veterinary Diet™ formulas are available for dogs and cats, exclusively through veterinarians. BLUE Natural Veterinary Diet formulas offer the efficacy veterinarians demand, in well-balanced, natural therapeutic formulas. For more information visit TrueBLUEVets.com

Blue River PetCare
Booth: 235
www.blueriverpetcare.com
Blue River PetCare is a multi-state owner and operator of high quality veterinary hospitals. We are actively seeking to acquire additional practices in a number of regions. Veterinarians are encouraged to visit and learn more about opportunities at our family of hospitals.

bocca
Booth: 529
bionyxskincare.com
our company provide skin care for veterinarians and veterinary practitioners.

Bock Vet Pharma
Booth: 1508
www.bockvetpharma.com
Bock Vet Pharma is an independent pharmaceutical company based in St. Louis, MO that develops, manufactures, and markets companion animal products designed to improve pet compliance while fostering the human/animal bond. Our Compliance Made Easy pledge translate to easy & accurate dosing for your clients & their pets.

Bowie Animal Health
Booth: 212
www.boviemed.com
Bowie Animal Health is the leading manufacturer of electrosurgical products for the veterinary space. Bowie carries a full line of generators, available from 10 watt to 300 watt, which feature the latest in safety technology, convenience and affordability. Also available are an full line of accessories including pencils, return pads, battery-operated cauteries, cryosurgical devices, and specialty products for your animal health practice. For more product details visit www.BowieVet.com.

Campbell Pet Company
Booth: 437
www.campbellpet.com

Capital One Spark Business
Booth: 1611
www.capitalone.com/tradeshows

CapitalSource
Booth: 931
www.capitalsource.com

Captive Risk Planners
Booth: 1227
www.perfecttax.com
Captive Risk Planners (CRP) are a firm of Risk Management Professionals specializing in the Formation and Management of Captive Insurance Companies, with operations traversing various diverse markets in the United States and Abroad. CRP’s unique ability to integrate various financial disciplines into an unstructured operation creates “turnkey” results which are greatly beneficial to our clients.

CRP’s operation is based in the Dallas Fort Worth Metroplex & has a diverse, multinational base.

CellaVision, Inc
Booth: 420
www.cellavision.com
CellaVision develops Digital Cell Morphology systems for veterinary hematology. CellaVision software automatically pre-classifies WBC and RBC and enables real-time access to experts, saving the doctor and technician time.

Centaur Recruitment
Booth: 230
www.centaur-recruitment.com
Veterinary Recruitment Service assisting veterinary professionals in finding new opportunities and fulfilling recruitment requirements of our clients.

Ceva Animal Health LLC
Booth: 201
www.ceva.us
Ceva Animal Health offers a growing line of products to meet the health needs of companion animals, poultry, and swine. Ceva’s portfolio of companion animal products includes the Vectra® line of parasitcides, the pheromone products Adaptil® and Feliway®, Douxo® dermatology products and TRP-Tri-Cox®. Ceva is licensed to supply more than 80 countries with critical poultry vaccines from the company’s North American headquarters located in Lenexa, Kansas. Visit www.ceva.us.

Chetu Inc
Booth: 530
www.chetu.com
Chetu, Inc. provides custom software development services for the veterinary industry. Chetu’s team of skilled developers create custom veterinary practice management software development including features for managing client and patient records, client portals, scheduling / appointments, treatment, boarding, inventory, prescriptions, medical images, reporting, plus billing and invoicing. For more information: www.chetu.com/healthcare/veterinary.php.

Chi Institute
Booth: 1329
www.tcvm.com

The Boo Radley Foundation
Booth: 1725
www.booradleyfoundation.org
The Boo Radley Foundation is the first 501(c)(3) established to support One Health through the promotion of comparative and translational research where companion animals serve as pre-clinical models for diseases common to companion animals and humans. The Foundation has supported multiple clinical trials, as well as supported the establishment of the first of its kind Comparative Brain Tumor Consortium at the National Cancer Institute.

CareCredit
Booth: 1319
www.carecredit.com
The CareCredit healthcare credit card, accepted by 20,000 veterinary practices, helps families manage veterinary costs. When your hospital accepts CareCredit, clients can make monthly payments (subject to credit approval), making it easier for them to complete recommended treatment. Visit us at AVMA booth 1319, call 800.300.3046 or go to carecredit.com
EXHIBITOR DESCRIPTIONS
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Christian Iconic X-Rays, LLC
Booth: 321
www.x-rayman.com
Radiology: Precision DR Digital Csi Flat Panel 14x17 Hi Definition Digital System – 100% Retrofit to your existing generator or mount into our PowerBlock 120HF Generator and Table. Precision DR Equine Wireless 1012 System. AllPro ScanX CR systems, DUO CR Dental. NOMAD Dental X-ray. Portable Generators. JOB Porta 100-HF “Green Machine DUAL 100HF”, MinX, Poskom & AJEX. Leasing Available. VERY COMPETITIVE PRICING www.x-rayman.com 888-825-6129

Christian Veterinary Mission
Booth: 1802
www.cvmusa.org
Christian Veterinary Mission (CVM) is a fellowship of Christian veterinarians, veterinary students, technicians and those of allied interest who are committed to living their faith out through their profession. CVM staff and volunteers serve in developing countries around the world as well as here in the United States.

ClearGage
Booth: 1532
www.cleargage.com

Clinician's Brief
Booth: 1310
cliniciansbrief.com
Brief Media delivers the resources veterinary professionals need to build on their knowledge. Clinician’s Brief is the #1 choice among veterinarians for diagnostic and treatment guidance. Veterinary Team Brief is the #1 educational resource for the entire practice team. Plumb’s Veterinary Drugs saves valuable time by providing instant access to drug information via smartphone, tablet, or desktop.

Cogent Solutions Group LLC
Booth: 327
www.cogentsolutionsgroup.com
Founded in 2005, Cogent Solutions Group, LLC (“CSG”) delivers the highest possible level of customer satisfaction with our products and service in a responsible and ethical manner. CSG believes people and animals deserve effective supplements with high quality ingredients and excellent results.

cohen cosmetics
Booth: 229
www.sericinplus.com
skin treatments and devices

Companion Animal Health by LiteCure
Booth: 1600
www.companionanimalhealth.com
Companion Animal Health brings the most advanced technologies in pain management, rehabilitation, diagnostics, and regenerative medicine. Whether your goals are to heal and reduce pain, regenerate and repair tissues, diagnose and record treatment success, or provide rehabilitative modalities, Companion has a solution that will benefit your patients and your practice. Come see why Companion Animal Health is known for superior quality products and unparalleled service and support.

Composite Motors Inc. (CMI) - Jones Pro Series
Booth: 1033
www.compositemotors.com
Composite Motors, Inc. designs, manufactures and utilizes human medical grade components in the Jones Pro Series “Cool Cut” battery operated Equine Tooth Float. The unit is hermetically sealed, autoclavable and maintenance free.

CRC Press, Taylor & Francis Group
Booth: 223
www.crpess.com
CRC Press is a premier global publisher of science, technology, medical, and veterinary resources. We offer unique, trusted content by expert authors, spreading knowledge and promoting discovery worldwide. We aim to broaden thinking and advance understanding in the sciences, providing researchers, academics, professionals, and students with the tools they need to share ideas and realize their potential.

CryoProbe
Booth: 1330
www.cryoprobe-na.com

Cuattro
Booth: 1235
www.heska.com

CuraCore
Booth: 1712
www.curacore.org
CuraCore Integrative Medicine and Education Center sets the standard for high-quality, scientific and evidence-informed instruction in integrative medicine for human and veterinary healthcare providers. Our science-based programs in acupuncture, botanical medicine, myofascial palpation/massage and photomedicine promote critical thinking, skillful implementation and successful practice in rational, integrative, effective care for all.

Current Technologies, Inc.
Booth: 836
www.curttech.com
A small woman-owned manufacturer. Our EPA-registered Hype-Wipe® Bleach Towlettes and Bleach-Rite® Disinfecting Spray clean/disinfect instruments, counters, sinks; kill numerous pathogens including Canine Parvovirus and Feline Panleukopenia. Our orange Bio-Hazard wipes/liners have a white absorbent side and an orange plastic backing to prevent leak through of blood/feces/pathogens to gloves and counters; cost effective. Made in the USA.

Cutting Edge Laser Technologies
Booth: 1336
www.celasers.com
Cutting Edge Laser Technologies offers a full line of Surgical and Therapy lasers for the progressive practitioner.

D&D Retail
Booth: 232
www.ddentalsolutions.com

Dan Scott & Associates Inc.
Booth: 1213
www.danscottandassociates.com

Dechra Veterinary Products
Booth: 1219
www.dechra-us.com
Dechra Veterinary Products’ companion animal portfolio focuses on endocrinology, dermatology, ophthalmology, anesthesia, fluid therapy, pain management and joint health support.

Demandforce
Booth: 520
www.demandforce.com
Demandforce gives your practice the marketing tools it needs to attract and retain patients, manage and build its online reputation, and save time. Improved Appointment density with online scheduling on Google, Yelp, Facebook, and practice website.

Dental Focus
Booth: 1500
www.dentalfocus.biz
Dental Focus, LLC. Supplier of Veterinary Dental X-Ray Equipment and Dental Tables. The X-Mind Unity with Sopix is the only digital sensor on the market that never over exposes with the highest detail available every time.
Visit us at Booth 628 for $200 show-only! Veterinary Information Systems and more! Intravet, Vet Office Suite, Vetter Software, VIA Intelligence, DVmax, e-Vet Practice, ezyVet, Cornerstone, In/finity by ImproMed, Animal else on your PC. Compatible with AviMark, Practice Management Software or anywhere been spent typing. Talk and it types - into your you hours of time that would have otherwise Dragon Veterinary Software can easily save you years of time that would have otherwise been spent typing. Talk and it types - into your Practice Management Software or anywhere else on your PC. Compatible with AviMark, Cornerstone, Infinity by ImproMed, Animal Intelligence, DVMax, e-Vet Practice, ezyVet, Intravet, Vet Office Suite, Vetter Software, VIA Veterinary Information Systems and more! Visit us at Booth 628 for $200 show-only savings or online at www.startstop.com/vet.Digital Thermal Imaging can be a crucial and valuable “on the spot” visual tool in helping diagnose inflammation or lack of circulation and its exact location in the animals body. A valuable tool used as an adjunct with diagnostic procedures. Resources to build a profitable dog daycare as part of your wellness center. Digital Veterinary Software can easily save you hours of time that would have otherwise been spent typing. Talk and it types - into your Practice Management Software or anywhere else on your PC. Compatible with AviMark, Cornerstone, Infinity by ImproMed, Animal Intelligence, DVMax, e-Vet Practice, ezyVet, Intravet, Vet Office Suite, Vetter Software, VIA Veterinary Information Systems and more! Visit us at Booth 628 for $200 show-only savings or online at www.startstop.com/vet. E.I. Medical Imaging® is a world leader and the only US manufacturer of portable ultrasound solutions specifically engineered for veterinary use. For the past 33 years, the Company’s core values have remained intact: putting the customer first and delivering solid, effective ultrasound solutions. EIMI provides the Ibex® portable ultrasound systems. E.I. Medical Imaging® is a world leader and the only US manufacturer of portable ultrasound solutions specifically engineered for veterinary use. For the past 33 years, the Company’s core values have remained intact: putting the customer first and delivering solid, effective ultrasound solutions. EIMI provides the Ibex® portable ultrasound systems. We are experts in veterinary website design and veterinary marketing. We’ve worked intimately with veterinarians and veterinary hospitals of all sizes since 2010, providing them with cutting edge web solutions that turn the internet into an advantage for their clinics. We focus our website design and marketing efforts solely on the veterinary industry, and as a result we have developed proven campaigns that not only raise your bottom line, but enhance your clients’ experience with you as well.

DVM Network Booth: 729 www.DVMNetwork.com DVM Network is a simple, risk-free way to grow your practice and gain new clients. As the only nationwide veterinary referral network, we refer local pet caretakers to veterinarians every day. DVM Network is free to join, and our members will receive new clients and have access to professional discounts and perks.

E.L. Medical Imaging Booth: 631 www.eimedi.com

Ellman, A Cynosure Company Booth: 1131 www.ellman.com Ellman, A Cynosure Company, is committed to providing advanced radiofrequency (RF) technology that serves the needs of the Veterinary community. Ellman offers a full complement of high frequency/low temperature RF Radiosurgery® products, including the Surgitron® Surgical RF Systems. Our products are used around the world for precision surgical procedures with minimal thermal alteration, reduced blood loss, healing without edema and a rapid recovery.

Elsevier Booth: 500 www.elsevier.com Elsevier is a world-leading provider of information solutions that enhance the performance of science, health, and technology professionals. We partner with educators and programs to prepare students to succeed in today’s health care environment. Our products and services enhance learning and support all the goals of your curriculum.

Embrace Pet Insurance Booth: 330 www.EmbracePetInsurance.com Embrace Pet Insurance specializes in pet health insurance for cats and dogs in the United States. We’re pet insurance experts with one of the highest customer satisfaction scores in the industry, and we are revolutionizing the pet insurance market with our personalized plans.

Enovative Technologies Booth: 527 www.enovalivetech.com
**EXHIBITOR DESCRIPTIONS**

*as of June 14, 2017*

**eVetPractice.com**
Booth: 1337  www.eVetPractice.com

**Ezee Visit Pet Vet Mat**
Booth: 1326  www.pvetematt.com
Innovative Pet Exam Table Mats for Calmer Patients and Owners! A simple and inexpensive way to turn nervous pets, and their nervous owners, into a calm, stress-free visit. A perfect solution that provides a calming environment and results in calmer patients!

**ezyVet**
Booth: 636  www.ezyvet.com
ezyVet is a cutting edge forerunner in the cloud-based veterinary software market. Managing clients, animals, financials, stock, reminders, lab integrations and much more. Boasting two-way integration with both XERO (cloud-based accounting) and Smart Flow Sheet (hospital regimes and electronic treatment whiteboard), ezyVet offers a truly connected solution. Perfectly tailored to suit small animal, referral, emergency & specialist, mixed animal and equine veterinary practices.

**Fast Track Veterinary**
Booth: 226  www.fast-trackdiagnostics.com
Since its formation in 2006, Fast Track Diagnostics (FTD) has become established as one of the leading global suppliers of real-time PCR multiplexing kits. In 2017, FTD launched a range of lyophilised kits for the detection of infectious diseases in companion animals. Our veterinary team works to assure our FTD veterinary tests give you the most precise and accurate results in less than 2 hours.

**First Home Bank**

**First Veterinary Supply**
Booth: 936  www.firstveterinarysupply.com
First Veterinary Supply serves veterinarians throughout the United States as a source of pharmaceuticals, medical supplies and equipment.

**FluxErgy LLC**
Booth: 510  www.fluxergy.com
FluxErgy is dedicated to creating innovative point-of-care veterinary and medical diagnostics, bringing laboratory technology to the hands of healthcare providers.

**Fovea Digital Radiography**
Booth: 923  www.foveadr.com
The Fovea Direct Digital Radiography System has reset the bar for the veterinary radiology industry. Cutting-edge technology and top-of-the-line equipment make Fovea the industry leader. With a full list of Fovea Digital Radiography systems to choose from, we’re positive you’ll be able to find one that fits your practice perfectly.

**FujiFilm SonoSite**
Booth: 419  www.sonosite.com/specialties/veterinary-ultrasound-machines
FUJIFILM SonoSite, Inc., a leader in point-of-care ultrasound, delivers solutions that meet the imaging needs of human emergency and critical care medicine. These innovative design features lend themselves to the veterinary practitioner. From the early days of the 180, to the MicroMaxx, and now M-Turbo, SVet, Edge, Edge II, Xporte and IVIZ, SonoSite leads the way in point of care ultrasound.

**G. P. Cosmetics**
Booth: 319  dermalactives.com/Treatments/Hydration/dermalactives-spa-collection-white-tea-water-lily

**GLC Direct**
Booth: 1022  www.glcdirect.com
GLC Direct presents Actistatin and Proactive Probiostatin: the most potent, proven, and patented joint support products and probiotics.

**Golden Link® Microbial Supplements**
Booth: 421  www.goldenlinkmicrobiats.com
Leading the way in Microbial Supplements by assuring quality and quantity in every dose. Golden Link® is a formulated Direct Fed Microbial (DFM) Supplement that contains live viable probiotics mixed with live yeast, yeast culture, enzymes and immune stimulating agents. It is formulated for the Bovine, Equine and Companion Animal.

**Gravity Payments**
Booth: 1436  www.gravitypayments.com
We started Gravity Payments to reduce the costs and headaches associated with accepting credit card payments by providing simple, fair, and seamless solutions. From in-exam room credit card processing, to integration with your system, Gravity Payments strives to bring you the best merchant service options possible for your specific vet clinic needs. From online payments to a recurring billing solution for wellness programs, we’ll also provide you honesty, transparency, and 24/7 support.

**Hal-Hen Company, Inc.**
Booth: 1322  www.halhenpro.com
Presenting the new and Revolutionary EarView "PRO and AnimaLook” Video Scopes for Real-Time Video examination, documentation and procedures. Supplier of Stainless Surgical Tools, Disinfectants, Vacuum Aspirators and Diagnostic Products.

**Havel’s Inc.**
Booth: 526  www.havels.com
Havel’s Inc. is a market leader in Echogenic needles for use in Ultrasound assisted Nerve Blocks. We have a variety of products for any of your nerve block or pain injection needs.

**Hawaiian Moon**
Booth: 224,937  www.aloecream.biz
Say Goodbye to Dry Skin with Hawaiian Moon Organic Aloe Cream!

**Healthtec Industries**
Booth: 734

**Henry Schein Animal Health**
Booth: 1301  www.henryscheinvet.com
Henry Schein Animal Health partners with over 480 supply partners to bring veterinarians the broadest selection of products to companion animal, equine and large animal practices including: dentistry, diagnostics, diets, equipment and supplies, nutraceuticals, orthopedics, parasitcides, pharmaceuticals and more. We are committed to delivering our veterinary customers with the best customer experience possible. For more information, contact us today at (855) SCHEIN (724-3461) www.henryscheine
Henry Schein Veterinary Solutions
Booth: 1404
www.avimark.net
Henry Schein Veterinary Solutions is a global division of Henry Schein, Inc. We provide some of the longest-standing veterinary software systems in the world, including AVImark®, ImproMed®, and ImproMed® Equine. We also offer solutions that integrate with our software platforms, including Vetstreet and Rapport® marketing and communication services, credit card processing, hardware sales, and more. For information, visit HSveterinarysolutions.com.

Hero Braces
Booth: 830
www.goherogo.com
Be a hero by helping pets that can’t have orthopedic surgery, with leg braces from Hero. Hundreds of innovative veterinarians all over North America are using Hero braces with great results to help pets with cruciate ligament tears get moving again when surgery is not an option. General practices and specialty clinics alike are having great success with custom Hero braces. Stop by to learn more about Hero’s innovative stifles, carpal, and hock braces.

Heska Corporation
Booth: 1231
www.heska.com

DIAMOND PARTNER

Hill’s Pet Nutrition, Inc.
Booth: 1201
www.hillsvet.com
Founded more than 75 years ago with an unwavering commitment to pet nutrition, Hill’s mission is to help enrich and lengthen the special relationships between people and their pets.

Hot Dog Patient Warming
Booth: 727
vetswarming.com
Patient warming breakthrough from the inventor of forced-air patient warming, Dr. Scott Augustine. No blowing air and no water…just safe, even warmth with our patented conductive fabric warming technology. Clinically proven to be more effective than air and water systems. It’s safe, effective, durable, and reusable. Made in USA. Satisfaction guaranteed!

HSB Veterinary Supply Inc.
Booth: 305
www.hsvbet.com
Established in 1990, HSB Veterinary Supply is a full-line distributor dedicated exclusively to the veterinary profession. We are continually adding to our product lines of medical, surgical, x-ray and pharmaceutical supplies. We pride ourselves on providing quality products and great service at competitive prices. HSB – large enough to serve...small enough to care. Stop by our booth to say hello and learn more about our dedicated line of products and sales team.

Hudson Aquatics Systems LLC
Booth: 735
www.hudsonaquatic.com
Hudson Aquatic Systems is a market leader in the aquatic training and rehabilitation industry for the human, canine, and equine markets. Hudson makes underwater treadmill systems that can be found around the world in fitness centers, hospitals, veterinary teaching colleges, YMCA’s, physical therapy offices, college and professional sports training centers, military facilities and hospitals, barns and equine tracks.

Humane Society Veterinary Medical Association
Booth: 1804
www.hsAGMA.org
The Humane Society Veterinary Medical Association (HSVMA) was formed as a home for veterinary professionals who want to engage in direct care programs for animals in need and educate the public and others in the profession about animal welfare issues. HSVMA members have access to free online RACE-accredited CE, insurance programs, discounted resources and more.

Hyperbaric Veterinary Medicine
Booth: 1018
www.hvmed.com
Designed for and engineered by veterinarians and hyperbaric professionals in the USA, hvmed was the first to realize the glaring need for HBOT in veterinary facilities worldwide. With chambers placed across the United States in veterinary clinics, hospitals and top schools of medicine at the University of Florida, Auburn University and LSU, hvmed has now expanded overseas to the United Kingdom with a chamber at the revered Fitzpatrick Referrals. Hvm is The Standard in Veterinary Hyperbarics.

IDEXX Laboratories, Inc.
Booth: 1119
www.idexx.com
IDEXX is a leader in pet healthcare innovation, serving practicing veterinarians around the world with a broad range of diagnostic and information technology-based products.

Illinois-Indiana Sea Grant College Program
Booth: 1823
www.illinois.edu
One of 33 Sea Grant Programs in the US, Illinois-Indiana Sea Grant (IISG) has a mandate to bring the latest science to those who can best use the information, working with key organizations, institutions, and agencies in the Great Lakes region. IISG is a partnership of University of Illinois, Purdue University, and National Oceanic and Atmospheric Administration and serves a critical role in empowering the people of Illinois and Indiana to solve environmental problems in sustainable ways.

IMS Animal Health
Booth: 619
www.imsanimalhealth.com
IMS Animal Health and Spectrum Veterinary Instruments have joined to offer a one stop shop for veterinary surgical instruments, certified pre-owned equipment and veterinary endoscope solutions.

Indy Medical Supplies LLC
Booth: 332
www.indymedicalsupplies.com
Indy Medical Supplies LLC addresses the area of Anesthesia, Medical Imaging Equipment and Safety in the Veterinarian Arena. Our products meet the needs for diagnostics, treatment and safety in all veterinary areas. We are OEM’s for Perlove Anesthesia and Xray equipment, rated the BEST Image quality in China! Our Halo Fogger kills 99.9998% C-Diff and other pathogens as per FDA Requirements. Please visit booth 322 at the 2017 AVMA at the Indiana Convention Center!

Infinity Massage Chairs
Booth: 531
www.infinitymassageshairs.com
Infinity Massage Chairs is the fastest-growing massage chair brand in North America, with an A+ rating with the Better Business Bureau. Our mission is to improve the health and wellness of our customers to live more comfortably and make the most of every day. Experience relaxation at booth 531!

Innovacyn
Booth: 637
www.vetericyn.com
The Vetericyn Plus VF family of products is poised to transform every aspect of clinical care settings. From surgeries, to non-healing wounds, and day-to-day skin ailments, Vetericyn Plus is available in both practice and dispensing sizes that provide a streamlined and synergistic approach to wound care that will elevate your expectations for healing.
EXHIBITOR DESCRIPTIONS
as of June 14, 2017

International Association of Animal Hospice & Palliative Care - IAAHPC
Booth: 1808
www.iaahpc.org

International Veterinary Acupuncture Society (IVAS)
Booth: 1801
www.ivas.org
The International Veterinary Acupuncture Society (IVAS) has been setting the global standard in veterinary acupuncture since 1974. Our Certification Course in veterinary acupuncture integrates a background of the fundamentals of the scientific basis for acupuncture, as well as a background in the fundamentals and applications of Traditional Chinese Medicine (TCM). Our program prepares the veterinarian for integration of acupuncture into everyday clinical practice.

International WIN, Ltd.
Booth: 522
internationalwin.com
I.V.Fluid Delivery Systems designed exclusively for large and small animals. Stop paying your staff to replace catheters, clean up wet cages and stalls and attend to beeping infusion pumps. International Win’s Flex-coil® Swivel I.V. System and the STAT® Large Animal I.V. System are your answers. Both Systems allow continuous, unattended and quiet I.V. fluid delivery. Our systems address a wide range of cleaning needs, including daily floor cleaning, spill response and weather related cleaning on examination rooms, waiting areas, kennels, entrances, restrooms and much more.

Jive Communications
Booth: 507
jive.com

Johns Hopkins University - Department of Molecular & Comparative Pathobiology
Booth: 1803
www.hopkinsmedicine.org/mcp/

Joint Charge
Booth: 933
www.jointcharge.com
Joint Charge manufactures and markets a line of Hyaluronic Acid-based joint supplements for dogs, cats, horses and humans.

Jorgensen Laboratories
Booth: 1007
www.jorvet.com
Jorgensen Laboratories is known for high quality veterinary surgical suture, instruments and equipment. See the Jorvet range of capital equipment including the Cool Renewal cryosurgical kit, the Tonovet, centrifuges, microscopes, anesthesia machines, monitoring devices and the latest in laser therapy.

Kaivac, Inc
Booth: 1607
www.kaivac.com
Kaivac delivers science-based cleaning systems designed to help pet facilities clean better, faster and more efficiently than other available alternatives. The results are cleaner, safer buildings that keep pets, customers, and employees safe. Our systems offer an extremely-low cost of ownership and address a wide range of cleaning needs, including daily floor cleaning, spill response and weather related cleaning on examination rooms, waiting areas, kennels, entrances, restrooms and much more.

Kansas State University Veterinary Diagnostics Laboratory & Rabies Lab
Booth: 1821
www.ksvdl.org/rabies-laboratory
The mission of the Kansas State Veterinary Diagnostic Laboratory (KSVDL) is to develop and deliver accurate, innovative, and timely diagnostic and consultative services to the veterinary and animal health community. The Rabies Laboratory is the primary diagnostic lab for the states of Kansas and Nebraska, and one of the highest volume rabies serology centers in the world. The KSVDL is a full-service, AAVLD-accredited laboratory, offering a complete range of diagnostic services for all species.

Karen Pryor Academy for Animal Training & Behavior
Booth: 504
www.karenpryoracademy.com
Are you interested in behavior and training? In collaboration with the Fear Free initiative, KPA has launched the online Better Veterinary Visits course. This RACE CE-approved course provides veterinary care teams with easy-to-implement protocols that will transform the experience of the dogs and cats in your care.

K-Laser
Booth: 1200
www.k-laserusa.com
K-Laser’s revolutionary Class IV deep tissue therapy laser accelerates wound healing, decreases inflammation, reduces pain, and increases joint flexibility with no side effects. With a focus on the overall quality of life for pets, as well as evolving technology, K-Laser is committed to providing the most advanced and effective tools to treat pain.

Kombat Boots
Booth: 1034
www.kombatboots.com

Lands’ End Business
Booth: 1332
www.landsend.com/business.store.avma
The Lands’ End Business offers high quality products with top of the line logo embroidery. Stop by and see us for all of your clinic & office staff apparel needs. Elevate your brand with Lands’ End Business.

Lap of Love Veterinary Hospice
Booth: 1027
www.lapoflove.com
Lap of Love is a national practice dedicated exclusively to in-home end of life care for pets. Our veterinarians help pets and their owners with quality of life assessments, palliative care, end of life consultations, and peaceful euthanasia in the comfort of the pet’s favorite place - home.
La Visage Innovations  
Booth: 1534  
www.elevareskin.com
medicinal device that uses led technology to improve the skin approved by the fda as a medical device and is complemented with a skincare line

Lenderking  
Booth: 1327  
www.lenderking.com
Lenderking Caging Products manufactures complete line of high quality and innovative animal housing for veterinary practices. Our products are based on decades of experience supplying housing for lab animals, the most demanding environment of animal housing.

Lenova/National Scientific Solutions  
Booth: 1430  
www.lenovasinks.com
Natural Scientific Solutions distributes non chemical sanitizing and disinfection equipment

Lesbian & Gay Veterinary Medical Association  
Booth: 1711  
www.lgsvma.org
The Lesbian and Gay Veterinary Medical Association is the professional organization that fosters acceptance, inclusivity and leadership for veterinarians, veterinary technicians, veterinary students, of all sexual orientations and gender identities, and their allies, through community development, professional advocacy, and personal empowerment.

LGL Animal Care Products  
Booth: 926  
www.lglacp.com

Lifeassays AB  
Booth: 1710  
http://lifeassays.com

Lighthouse Veterinary Personnel Services  
Booth: 1406  
www.lighthousevet.com
Lighthouse Veterinary Personnel Services provides relief veterinarians and permanent associates to veterinary practices in the Midwest.

Lincoln Memorial University-College of Veterinary Medicine  
Booth: 1827  
www.lmunet.edu
LMU-CVM Program Highlights include nationally renowned veterinary educators with a commitment to teaching and lifelong learning; hands-on based veterinary education that begins your first semester; clinical experience with a varied and busy caseload that emphasizes a team approach; world class DeBusk Veterinary Teaching Center (DVTC) that students utilize from the first semester and onwards and education that includes leadership skills, communications and community service.

Live Oak Bank  
Booth: 1023  
liveoakbank.com/vet
Live Oak Bank specializes in veterinary lending. When considering funding for real estate, acquisition, refinance, or ground up construction, let us be your financing solution.

Lloyd, Inc.  
Booth: 1011  
www.lloydinc.com
LLOYD, Inc. products have been used by veterinarians around the world for over five decades to make the lives of animals happier, healthier, and more productive. Our commitment to research and development has resulted in pharmaceutical and nutritional products with the highest level of stability, safety and efficacy. Thyro-Tabs® Canine, PrednisTab®, ToxiBan®, Methio-Form™ and Thyro-L® are just a few of our brands in which our customers have total confidence.

Maid Animal Health™  
Booth: 1109  
www.maianimalhealth.com
MAI Animal Health™ is THE SOURCE for solutions in animal healthcare. With extensive expertise across multiple veterinary disciplines and species, we manufacture and supply a vast array of innovative, practical products in categories including: Containers, Reproduction, Dental, Specialty, Nutritional and Instruments. Veterinarian owned and trusted globally, we have been servicing the animal healthcare industry for over 40 years.

Marshfield Labs (div. of Marshfield Clinic)  
Booth: 1128  
www.marshfieldlabs.org
Without a doubt – we are experts in the lab. Our Veterinary Reference Lab is known for having a depth of experienced pathologists and technologists focused on delivering consistent and reliable testing services that go beyond what is expected.

Masimo  
Booth: 1134  
www.masimo.com
A key medical technology innovator, Masimo is responsible for the invention of award-winning noninvasive technologies, medical devices, and a wide array of sensors that are revolutionizing patient monitoring in various care settings.

MDS Incorporated  
Booth: 1113  
www.mdsvet.com
MDS Incorporated offers unique and affordable diagnostic equipment, such as headlights, endoscopes, and video equipment for all veterinarians.

Mediana Co., Ltd.  
Booth: 422  
www.medianausa.com
MEDIANA is Vet patient monitor manufacturer based in Redmond, Seattle.

Medimar Corp  
Booth: 832  
www.medimarcorp.com
Medimar is an American company that distributes medical equipment in Latin America and the United States. We offer different solutions tailored to the need of each practice, in order to offer the best value.

Meds for Vets Pharmacy  
Booth: 406  
www.medsforvets.com

Midwest Veterinary Supply  
Booth: 322  
www.midwestvet.net
Midwest Veterinary Supply is a family and employee owned, full-line veterinary product distributor that has been in business for over 50 years. We offer a diverse portfolio of products for companion animal, equine, and food animal practices as well as client retention and revenue building platforms.

Merck Animal Health  
Booth: 401  

Merck/Merck Publishing Group  
Booth: 1204  
www.merckvetmanual.com

The Merck Veterinary Manual introduces the new 11th edition, completely updated and reflecting the latest advances in veterinary medicine in all species, including exotics, as well as a new public health section. Say hello at the booth, see the mobile app, place an order and enter to win a book!

Mg Biologics  
Booth: 728  
www.mgbiologics.com

Loyd, Inc. provides medical equipment in Latin America and the United States. We offer different solutions tailored to the need of each practice, in order to offer the best value.
MILA International, Inc.  
Booth: 1431  
www.milaint.com  
MILA International is an innovative company that has developed veterinary medical products that are otherwise commercially unavailable. MILA is known as the gold standard for venous access catheters, chest tubes, urinary catheters, and feeding tubes for Large/Small Animals. MILA is also proud to represent COOK Animal Health.

Mindray  
Booth: 919  
www.mindraynorthamerica.com  
Mindray is dedicated to ultrasound excellence through its innovative technologies. The company’s ultrasound products for the mQuadro and ZONE Sonography® Technology (ZST) lines offer excellent image quality and workflow capabilities. Mindray provides leading technology and solutions for the veterinary care market, from the smallest to largest patient.

MinXray, Inc.  
Booth: 519  
www.minxray.com  
MinXray, Inc. is a provider of x-ray and complete digital imaging systems for equine, mixed and companion animal practices.

Mission: Allergy  
Booth: 600  
www.missionallergy.com  
Allergen-barrier pet beds for atopic dermatitis. Mission: Allergy is a premier manufacturer of allergen avoidance products. Atopic dermatitis in dogs is often provoked by house dust mite allergen, which is plentiful in pet beds. Our Allergy-Approved™ dog beds are made with a barrier fabric proven to prevent the escape of dust mite allergen, while allowing the passage of air and water vapor for comfort. Come to the booth to see live dust mites.

Modern Veterinary Media, Inc.  
Booth: 1126  
www.modernveterinary.com  
Modern Veterinary Media, Inc. produces two annual continuing education conferences. CLVC and WWVC, visit our booth for information.

Morton Buildings Inc-Morton designBUILD  
Booth: 210  
www.mortonbuildings.com  
Morton designBUILD is a team of experienced construction professionals that works with customers from concept to completion, to create custom multi-use and commercial buildings. designBUILD uses a proven project delivery system to provide a seamless and transparent building experience. As a single-source resource with a national footprint, designBUILD is trusted by customers to manage the entire process of a construction project.

MSU Veterinary Diagnostic Laboratory  
Booth: 1511  
www.animalhealth.msu.edu  
The Michigan State University VDL (formerly Diagnostic Center, DCPAH) provides core diagnostics, innovative solutions, and expert service to clients in all 50 states and 20 foreign countries.

Multi Radiance  
Booth: 326  
www.multiradiance.com  
Multi Radiance super pulsed laser therapy devices treat a variety of common conditions in both human and veterinary applications. From managing pain to healing wounds, our laser technology has been clinically proven safe and effective for companion, equine and exotic animals, with no side effects. The portable ACTiVet PRO features 50 W of peak power and blue light for managing wounds. Expand your practice’s treatment options with Multi Radiance laser therapy.

MWI Animal Health  
Booth: 1510  
www.mwianimalhealth.com  
MWI Animal Health, an AmerisourceBergen company, is a leading distributor of pharmaceuticals, biologicals, diets, equipment and supplies to companion, equine and livestock veterinarians and producers in the United States. Additionally, our associates routinely consult with accounts on critical business matters including inventory management, operations and marketing. Learn more at mwianimalhealth.com.

My Pet’s Brace  
Booth: 323  
www.my petsbrace.com  
Offer your non-surgical canine patients with CCL injuries a new lease on life through the application of a custom knee brace from My Pet’s Brace. Knee braces are a successful alternative when surgery is not an option due to the dog’s age, desire for conservative management or financial concerns. In 2016, we worked with over 650 veterinarians and fabricated over 1,000 braces for dogs living around the world. Visit our booth to see sample braces and enter for a chance to win a $200 Visa Gift Card.

My Vet  
Booth: 204  
www.myvetimaging.com  
Rayence, a worldwide leading manufacturer of digital detector solutions, is pleased to introduce its new line of MY VET imaging products at this year’s AVMA: the i72w, an elevating digital radiographic table that lowers to the floor; hand-held X-ray unit, and the new MY VET PACS and MY VET Cloud. Visit the My Vet booth and come see the new MY VET imaging products and ask about our 0% financing offering.

National Association of Veterinary Technicians (NAVTA)  
Booth: 1822  
www.navta.net  
National Veterinary Accreditation Program – USDA/APHIS  
Booth: 1729  
www.aphis.usda.gov

The USDA’s National Veterinary Accreditation Program will be located at Booth 1729. As an accredited veterinarian, if you would like information on the program or need to learn how to have your accreditation reinstated stop by. AAST modules will be presented. Check your program for dates and times.

National Veterinary Associates  
Booth: 1125  
www.nvaonline.com  
NVA owns more than 400 hospitals in 40 states and Canada. We believe that medicine is best practiced when veterinarians craft their own hospital specific strategies for quality patient care & client service. NVA makes available the resources for hospitals to achieve their goals while avoiding any standardized national plan.

Nationwide  
Booth: 618  
www.petinsurance.com

In 2015, Nationwide launched Whole Pet with WellnessSM, with more coverage than any other plan. It’s the best pet insurance ever. Visit VetPetNationwide to learn more.

Neogen Corporation  
Booth: 929  
www.neogen.com

New Planet Technologies  
Booth: 1506  
www.newplanettek.com

New Planet Technologies offers a suite of software solutions allowing Veterinarians and clients to closely collaborate to improve...
animal health. Conduct remote health diagnostics, disease surveillance, accurately and quickly document animal health papers (eCVI), and establish and manage your valid Vet Client Patient Relationships.

Norbrook Inc.
Booth: 611
www.norbrook.com
Norbrook is a leading Veterinary pharmaceutical company. U.S. products include Enroflo, (enrofloxacin) Injection 2.27%, Carprieve (carprofen) Caplets, and Injection, Loxicom (meloxicam) Injection and Suspension, Enroflo (enrofloxacin) 100, Norfenicol (florfenicol) Injection.

Nova Biomedical
Booth: 1435
www.novabiomedical.com
Nova Innovations
Booth: 1700
www.novainnovations.net

Nutramax Laboratories Veterinary Sciences, Inc.
Booth: 511
www.nutramaxlabs.com
The science behind animal health and wellness starts here. Products include Solliquin® behavioral health supplement, Cobalquein® cobalamin tablets, Proviable® Forte multi-strain probiotics with prebiotics, the #1 veterinarian recommended joint health supplement brand Dasuquin® (ask us about Dasuquin Advanced), the #1 veterinarian recommended liver support brand Denamarin®, Welactin® omega-3 supplement, and Cranadin® for urinary tract health. Visit our booth to learn more.

OIE - World Organisation for Animal Health
Booth: 1812
www.oie.int
The OIE is an intergovernmental organisation with a mandate from its 180 Member Countries to improve animal health and welfare worldwide. The WTO named the OIE as the reference standard-setting international organisation. It is responsible for ensuring transparency of the animal disease situation, including zoonoses, for the publication of disease prevention and control methods as well as for safeguarding the sanitary safety of world trade in animals, and ensuring animal production food safety.

Oncura Partners
Booth: 1311
www.oncurapartners.com

Optimize Social Media
Booth: 1704
www.optimizesocialmedia.net
Optimize Social Media specializes in social media and reputation management. We create and utilize social media in a unique way to help our clients stand out.

Otto Trading Inc.
Booth: 1618
www.iirestmassager.com
Pala-Tech™ Laboratories, Inc.
Booth: 1024
www.palatech.com
Visit Pala-Tech™ Laboratories exhibit to learn about our high quality, palatable products for use in dogs, cats and horses. Our objective is to help you improve dosing compliance and ensure complete dosage consumption, which will result in better clinical results and satisfied clients. Product samples are available and ask about our unique Custom Coupon marketing program to help you increase your clinic revenue. All products are supported by our 100% Palatability Acceptance guarantee.

Pathway
Booth: 635
www.pathwayvets.com
Pathway is a veterinary hospital ownership and management company. Our partnership structure creates an exceptional exit strategy for practice owners that maximizes the value of their life’s work and allows them to refocus on their passion - veterinary medicine. We are proud to offer exciting career opportunities and benefits for veterinarians, veterinary technicians, and support staff throughout the US. We promote an emotionally intelligent, positive culture that enables practices to achieve their vision, preserve the hospital’s unique identity, and make life better for their teams.

Patterson Veterinary
Booth: 1028
www.pattersonvet.com
Patterson Veterinary has helped small animal, equine and mixed animal practices succeed with the best products, consistently outstanding customer service and industry-leading equipment and supplies. We offer an array of value added business solutions and signature programs that you wouldn’t expect. Please visit our booth to learn how Patterson Veterinary can strengthen and enhance your practice and patient health.

Pella Veterinary Apparel & Supplies
Booth: 1609
www.PellaVet.com
Pella Veterinary Apparel and Supplies, a division of Pella Products, has been making and selling professional veterinary uniforms and necessities specific to this industry for over 50 years. Our product selection ranges from durable veterinary specialty outerwear to stylish shirts and rounds out with our carefully selected line of professional scrub and surgical supplies.

PetDesk
Booth: 837
www.petdesk.com
PetDesk generates new revenue from your existing user base. Reach more of your clients every day with a free app for clients, a compliance roadmap, a client retention tool, and everything else you need in a fully integrated reminder system.

Pet Health Pharmacy
Booth: 1211
www.pethealthpharmacy.com
Pet Health Pharmacy makes caring for pets easy! Our compounded medications are available in a variety of dosage forms, and our service is second to none. Pet Health Pharmacy: Custom Compounding with Our Personal Touch.

PetLink
Booth: 1333
www.petlink.net

Pet Loss Professionals Alliance
Booth: 1809
www.iccfa.org
The Pet Loss Center is the resource for pet owners and veterinarians looking for professional pet loss services. Cremation, burial, memorialization options and pet loss support can all be found at The Pet Loss Center and the caring team of pet death care professionals.

PetSafe
Booth: 534
www.petsafe.net
We offer a variety of products and categories to meet the needs of multiple lifestyles and touch consumers at multiple stages of the pet ownership experience. Our product lines include training and bark control, containment and pet deterrents, water and feed, waste management solutions, interactive toys, premium treats and pet doors.

Practice Coach
Booth: 1132
Practice Coach has the expertise to enables practice owners to achieve goals; make significant, sustainable changes; and ultimately provide better animal care.

PractiVet
Booth: 308
www.practicvet.com

Prestige Products Direct
Booth: 1437
triaedan.com
Air Purification
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PRN Pharmacal
Booth: 307
www.prnpharmacal.com
PRN Pharmacal, an employee-owned company, has been dedicated to developing specialized therapeutics that address the unmet, underserved and overlooked needs of the veterinary medicine community since 1978. Our commitment—as needed, when needed. Please visit us at booth 307.

Protege Biomedical
Booth: 629
www.PROTEGEBIOMEDICAL.COM
Protege Biomedical manufactures Clott Vet an all natural two-mineral based hemostasis powder, designed specifically for Veterinarians. Clott Vet and Clott OTC product platforms are designed and proven to stop bleeding fast, and to keep bleeding stopped. Both products are effective on all animals, large and small.

Purdue University College of Veterinary Medicine
Booth: 1813
www.purdue.edu
Advancing global animal and human health and well-being through excellence in learning, discovery and engagement. Visit our booth to learn more about our lifelong learning programs, alumni events, veterinary referral services, diagnostic services, and publications.

Purina
Booth: 1001
www.purinaproplanvets.com
Purina is a leader in the field of canine and feline nutrition, helping you make a daily impact on your patients’ quality of life. Stop by our exhibit to learn more about our breakthrough therapeutic Purina® Pro Plan® Veterinary Diets formulas and our probiotic supplement, FortiFlora®. Discover how innovative Purina research can help you nutritionally manage pets with diabetes mellitus, obesity, gastrointestinal, joint and urinary conditions, as well as nutritionally manage dogs with epilepsy as an adjunct to veterinary therapy. Receive dietary information on our therapeutic and wellness products. For more information, visit www.PurinaProPlanVets.com or call 1-800-222-VETS (8387).

QuanTel Medical
Booth: 1706
www.quantel-medical.com
QuanTel Medical markets a full range of ultrasound and laser products designed for treatment and diagnosis in ophthalmology.

Radiocat
Booth: 1331
www.radiocat.com
Radiocat is the world’s leader in the treatment of feline hyperthyroidism. Co-founded by Drs. David Herring and Rand Wachsstock, Radiocat has locations around the USA. For more information please call 1-800-323-9729 and visit our webpage at www.radiocat.com.

RapidBac™ VET
Booth: 1032
www.rapidbacvet.com
RapidBac™ VET is the first and only rapid test kit for the direct determination of bacteria in urine. Until now, the only accurate method of determining bacteriuria was by urine culture – an expensive and time-consuming test performed at specialized laboratories. In clinical studies comparing RapidBac™ VET results with urine culture on canine urine samples, RapidBac™ VET was shown to have a sensitivity of > 97% and a specificity of 99%.

Rauhaus Freedenberg & Associates
Booth: 1112
www.rfarchitects.com

RenLor Stethoscopes
Booth: 1226
www.renlor.com
The Ren-Lor Stethoscope offers exceptional sound quality through noise and thick layers that is guaranteed with a lifetime warranty. Our hand painted and jewel tone laser designs represent your personality. We can even incorporate your company’s logo. Come by our booth to see our brand-new designs and meet the artist!

Revo Squared LLC
Booth: 219
www.duoview.net
Revo Squared LLC designs and manufactures the world’s only fully automated digital microscope and the only dual resolution digital x-ray.

Roadrunner Pharmacy
Booth: 218
www.roadrunnerpharmacy.com
Roadrunner Pharmacy is the nation’s largest veterinary-exclusive compounding pharmacy. We offer a variety of innovative dosage forms: Flex Tabs, Mini Melts, Oti-packs, capsules, suspensions, injectables, transdermal gels and ophthalmic preparations. We are an excellent resource for compounding back-ordered or discontinued medications with the highest level of quality assurance testing in the industry. With over 40 veterinary pharmacists and FREE UPS overnight delivery when ready, Roadrunner Pharmacy is the best resource for all your compounded needs. Stop by and ask about our Guaranteed Overnight Delivery program!

Rose Micro Solutions
Booth: 1,106,509
www.rosemicrosolutions.com
Rose Micro Solutions sells High Quality Optical Loupes & LED Lighting systems for Less! Our Loupes start @ $279.00. We are a “Family” Business consisting of 4 Brothers. We named the company after our mother “ROSE.” Stop by Booth(s) 509&1106 to see our $699.00 Loupe/Light Combo Special! Our company has “A”+ Rating with the BBB! Our customer service is 2nd to none! Visit us online at www.rosemicrosolutions.com or call us @ 716-608-0009 Thank You for your Business!

Ross University School of Veterinary Medicine
Booth: 209
www.RossU.edu
Ross University School of Veterinary Medicine (RUSVM) offers a Doctor of Veterinary Medicine (DVM), Master of Science by Coursework or Research (MSc), and Doctoral (PhD) degree programs. RUSVM is located in St. Kitts, West Indies, but students complete their clinical year at affiliated AVMA-accredited veterinary schools.

Roya.com
Booth: 1708
www.roya.com

Royal Canin Veterinary Diet
Booth: 1422
www.royalcanin.us

Rx Vitamins, Inc.
Booth: 407
www.rxvitamins.com
Rx Vitamins provides a line of professional supplements that are marketed and sold exclusively to the veterinary professional. Featured products include Hepato Support, Rx Biotic, Rx Clay, Ultra EFA, PhosBind, and Onco Support. Rx Vitamins is introducing our new HempRx SoftChewz. Now our very popular HempRx is available in a convenient, easy-to-administer soft chew format. Please stop by our booth to see what’s new.

Road Micro Solutions sells High Quality Optical Loupes & LED Lighting systems for Less! Our Loupes start @ $279.00. We are a “Family” Business consisting of 4 Brothers. We named the company after our mother “ROSE.” Stop by Booth(s) 509&1106 to see our $699.00 Loupe/Light Combo Special! Our company has “A”+ Rating with the BBB! Our customer service is 2nd to none! Visit us online at www.rosemicrosolutions.com or call us @ 716-608-0009 Thank You for your Business!
scil animal care a division of Henry Schein Animal Health
Booth: 1400
www.scilvet.com
scil animal care a division of Henry Schein Animal Health is dedicated to delivering the highest quality products to the animal healthcare professional. We offer a wide range of Clinical Chemistry and Hematology, Digital Imaging, Diagnostic Ultrasound and Digital Dental. Come see us at our booth to find out how scil can improve your practice.

Scratch Financial
Booth: 329
www.scratchpay.com
Scratch offers simple, pet-friendly payment plans to help pet owners manage the cost of unplanned veterinary bills. Scratch handles approvals, payment plans, and financing so your clients can afford the care their pets need.

Sechrist Veterinary Health
Booth: 200
www.sechristhealth.com
Sechrist Veterinary Health Division is bringing hyperbaric medicine to the veterinary community as they have developed a state-of-the-art Hyperbaric Oxygen and ICU Chamber. Sechrist’s Hyperbaric Oxygen and ICU Chamber is used to treat many conditions unique to animal patients. Hyperbaric Oxygen Therapy is a modality in which the patient is placed in a chamber and breathes oxygen at a pressure greater than one atmosphere.

Sedecal USA
Booth: 1507
www.vetry.com
Sedecal USA provides quality equipment worldwide. Field-testing and quality control enable us to provide quality equipment worldwide.

Select Merchant Solutions
Booth: 932
www.selectmerchantsolutions.com
Why are your Merchant Processing Rates so High? Let us show you why.
Select Merchant Solutions is the preferred merchant processor for thousands of Veterinarians, Dentists, Self Storage Facilities and more. Our average all in rate is 1.56%. That is all fees included. Send us a recent merchant statement so we can do our free rate analysis. fax-407-641-8431 e-mail-Audit@selectmerchantsolutions.com

SENTIER
Booth: 1036
www.sentierconnect.com
Sentier has worked with veterinarians and technicians to develop the industry’s most portable and competitively priced multi-parameter patient monitor – the Vetcorder. Veterinarians and technicians rely on the Vetcorder to monitor ECG and SpO2 at a moment’s notice. Sentier is known industry-wide as a leader in providing best in class 24/7 customer support. Sentier is committed to bringing the most innovative, cost efficient and clinically relevant devices to the veterinary market.

Servetusa.com
Booth: 206
servetusa.com

ServiceNet Medical X-Ray / QuickPacs
Booth: 826
www.servicenetmedical.com

Shor-Line
Booth: 1118
www.shor-line.com
Shor-Line is a third generation family owned and operated animal care equipment manufacturing company. We have maintained a business philosophy dedicated to quality products and service. Shor-Line is constantly reinventing and adding to an extensive array of products to help animal health professionals provide the best possible care for their patients. Our continued research, field-testing and quality control enable us to provide quality equipment worldwide.

Signtronix
Booth: 237
www.signtronix.com
Signtronix manufactures outdoor and indoor electrical signs for the modern Veterinary Hospital and clinic. The signs come in over 40 sizes and include LED message centers where “Every time you can change your mind, you can change your sign!” Remember, you never get a second chance to make that first impression.

Simmons Great Lakes
Booth: 833
www.simmonsinc.com
Veterinary Practice Valuations & Sales. Simmons prides itself in providing expertise for buying, selling and appraising veterinary practices.

Smart Brief, Inc.
Booth: 1405
www.smartbrief.com/avma
Smart Brief is the leading digital publisher of targeted professional news by industry. Animal Health Smart Brief is a subscription-only digital news briefing for veterinarians. Smart Brief partners with AVMA to deliver the top animal health, veterinary medicine, and professional news to our subscribers. To learn more about Smart Brief or sign up for Animal Health Smart Brief visit www.smartbrief.com/avma.

The SMILE! Project - Safe Harbor Farm
Booth: 1820
www.givesmiles.us
Dealing with anxiety, aggression, hyperactivity, stranger reactivity, resource guarding, submissive urination or poor manners? Don’t reach for drugs! Reach for SMILE! and other practical life lessons your dogs can teach you (while you are training them) for proven, positive, practical, proactive advice that is easy to implement moment-by-moment. Learn how to reduce tension, improve your timing, communicate clearly and really enjoy your dogs!

Snyder Mfg Co.
Booth: 1101
www.snydermfg.com
Snyder Mfg. Co. produces laminate cage units and kennel runs. Our product line includes: Kennel Runs, Intensive Care Units, Cage Units, Cat Cottages “with Litter Pan Hiders”, Corner Cat Cottages, Euro Condos, Drying Cages, Avian Treatment Cages, and Pet Display Units. Faces and all corners are sealed with polyester resin, giving a watertight seal making cleaning easy and efficient. Show Specials: 20% off Cages and Runs, 15% off ICU, ATC, & Pet Display Cages and 5% off Dryers.

Sol-Millennium Medical Inc.
Booth: 418
www.sol-m.com
Sol-Millennium manufactures a wide variety of syringes, needles and injection devices for the veterinary market under the Sol-Vet brand.

Sonoma Pharmaceuticals
Booth: 630
www.microcynah.com
The MicrocynAH family of animal healthcare products are the ONLY animal healthcare products formulated with the original Microcyn Technology. With over ten million creatures successfully treated—both four-legged and two—there has never been a single report of a serious adverse effect as a result of being treated with Microcyn-based products. It is a superior hypochlorous acid solution that is clinically proven safe, non-toxic and effective. Can safely be used around the nose, eyes, ears and mouth and requires no mixing or dilution.
EXHIBITOR DESCRIPTIONS
as of June 14, 2017

Sound®
Booth: 311
www.soundvet.com
Based in Carlsbad, CA, Sound® produces the most widely accepted and used digital radiography, ultrasound, and PACS systems in the veterinary industry. Sound holds leadership positions in ultrasound, digital radiography, PACS, and education. Sound’s Academy of Veterinary Imaging, located in Arlington, TX, has conducted over 12,000 ultrasound trainings. Sound has recently added the Emerging Technologies division which includes Advanced Imaging with CT (computed tomography) and laser therapy systems.

Specialty Veterinary Pharmacy
Booth: 1130
www.svpmeds.com
Specialty Veterinary Pharmacy (SVP) is a compounding pharmacy serving veterinary clinicians seeking outstanding quality, affordability, and service. In 2016, we fulfilled 51,000 prescriptions across America, and more than 80% went out the day they were received. SVP is known for providing customized and innovative solutions for hard-to-find drugs and hard-to-medicate pets. We invented the IdealDose service to give you the exact dose you need, in a dosage form tailored to each patient.

Spray Master Technologies
Booth: 827
www.spraymastertech.com

Standard Process®
Booth: 532
www.standardprocess.com
Since 1929, Standard Process has been a leader in whole food nutrient solutions. Following the principles of founder, Dr. Royal Lee, the company delivers Standard Process Veterinary® Formulas, designed for dogs, cats and horses. The company also offers nutritional supplements for humans and is the exclusive U.S. Distributor of MediHerb herbal supplements.

Strategic Financial Group
Booth: 431
www.stgfin.com
We are committed to help you improve your financial goals. Customized solutions for your financial planning, insurance and investment management needs.

Suburban Surgical Co, Inc.
Booth: 1426
suburbansurgical.com
Suburban Surgical Company, an industrial manufacturer that designs, engineers and fabricates stainless steel medical equipment specifically related to the care and housing of veterinary animals. Made in the USA.

SunTech Medical
Booth: 1432
www.suntechmed.com

Superfit Canine
Booth: 318
www.superfitcanine.com
Superfit Canine is an authorized dealer of FitPAWS®, Dog Tread® and BLUE-9® equipment used by canine fitness and veterinary rehabilitation professionals everywhere. Superfit Canine is a proud supporter of working dogs by providing training opportunities to working K9 teams all over the country.

Surgical Power Inc.
Booth: 1604
www.surgicalpower.com
Surgical Power provides refurbished and new surgical equipment. We specialize in repairs and service of power equipment. We offer blades, burs, and batteries for surgical drills and saws.

Tartar Shield Pet Products
Booth: 1029
www.tartarshield.com
Tartar Shield Products are patented, clinically proven dental care products sold in veterinary hospitals and not available in retail locations. Recommended and used by Board Certified Dental Specialists. Our Soft Rawhide Chews are VGHC approved for Tartar Control. Other products include Cat Treats, Dog Biscuits, Sprinkles and DentaTabs. All products are made in the USA with US ingredients. See www.TartarShield.com for more information and visit our booth for free samples and show special!

Taylors Pharmacy
Booth: 1407
www.taylorspharmacy.com

TekCollect
Booth: 934
www.tekcollect.com
TekCollect is an innovative accounts receivable management company serving over 30,000 businesses across the nation. We partner with companies of all sizes to optimize accounting practices, limit and control delinquencies, and improve positive cash flow for the long-term.

Thermo Fisher Scientific
Booth: 432
www.thermo.com
Maximize the quality of your Companion Animal care while addressing the complex and troubling escalation of antibiotic resistance. Our Thermo Scientific® Sensitive portfolio includes a range of manual, semi-automated and fully automated test platforms, and a full line of media and diagnostic products that offer an end-to-end solution to labs, enabling them to quickly deliver the quality results. Veterinarians depend on. Visit us at the booth.

Today’s Veterinary Practice
Booth: 1037
www.TodaysVeterinaryPractice.com
Today’s Veterinary Practice and Today’s Veterinary Technician are peer-reviewed journals sent FREE to veterinarians, veterinary technicians, practice managers, veterinary assistants, veterinary faculty and 3rd & 4th year veterinary students. TVP & TVT provide practical clinical articles covering all aspects of companion animal veterinary medicine in addition to practice management issues. Subscribe now for FREE: TodaysVeterinaryPractice.com and TodaysVeterinaryTechnician.com

Total Practice Solutions Group
Booth: 423
TotalPracticeSolutionsGroup.com
Total Practice Solutions Group (TPSG) is the leader in veterinary practice sales. Comprised of eight nationwide independent practice brokers including attorneys and several practice owners. Our services include practices sales, brokerage services for buyers or sellers, partner buy-ins, consulting, appraisals, legal services and assistance.
with practice acquisition loans. Visit us at www.TPSGsales.com or contact the broker representing your area.

**TriStar Vet**  
**Booth: 829**  
www.tristarvet.com

TriStar Vet designs and manufactures stainless steel veterinary equipment and has the ability to customize our products to meet your needs. Our products have been showcased in award-winning hospitals nationwide so if you’d like to replace a bathing tub, remodel a treatment area or outfit a new hospital TriStar can help. Our customer-inspired stainless products are the TriStar difference.

**TWC Architecture and Construction**  
**Booth: 1025**  
twinc.com

TWC Architecture and Construction provides those in the veterinary industry with a cost-effective, turn-key solution to their construction projects. We perform architectural design and construction nationwide and specialize in the Veterinary Industry.

**UBM Life Sciences**  
**Booth: 1135**  
www.dvm360.com

Find it here - every day! Our dvm360 family of veterinary publications is your everyday resource for relevant clinical, practice management, and team information. dvm360, Vetted, and Firstline address real issues and deliver easy and constant access via our digital and in monthly print publications. Our CVC conventions bring content to life, with an unconventional and innovative approach to topics and speaker interaction.

**UF Maddie’s Shelter Medicine Program**  
**Booth: 1828**  
sheltermedicine.vetmed.ufl.edu

**UltiMed, Inc.**  
**Booth: 334**  
www.ulticare.com

UltiMed is a world leader in premium quality diabetic pet supplies, including UltiCare VetRx and iPet PRO Glucose Meter. Our patented UltiGuard is a tamper-proof container that doubles as an approved sharps container for an “all in one” sharps disposal solution

**UltraLight Optics**  
**Booth: 1307**  
www.ultralightoptics.com

UltraLight Featherlight is the award-winning, smallest, and lightest LED loupe-light with custom made attachments that will fit onto all loupes, glasses, safety glasses, everything! With 6 full intensity levels and touch-free upgrade option available, have a system that really works for you.

**UltraScope Stethoscopes**  
**Booth: 1237**  
www.ultrascopes.com

UltraScope Stethoscopes, Celebrating our 30 Year Anniversary! Proprietary, Shatterproof head provides excellent acoustics in a loud clinical setting (a vet clinic is loud? :) Our pressure sensitive diaphragm makes listening through any thickness of fur coat possible.... from little kittens and puppies, to a horse or cow! We have extended tubing for large animals as well. Visit us at Booth 1237 for our 30 Year Anniversary Show Special

**Universal Imaging**  
**Booth: 622**  
www.universalianaginginc.com

Universal Imaging has been setting the standard for veterinary imaging for over 37 years. We offer ultrasound and digital radiography packages featuring all-digital technology, portability, connectivity, education and training. Visit us today.

**Universal Medical Systems, Inc**  
**Booth: 427**  
veterinary-imaging.com

Universal Medical Systems, Inc. (Ohio) is the only LICENSED AUTHORIZED DISTRIBUTOR serving the veterinary market selling and leasing NEW CT and MRI scanners exclusively from five of the major manufacturers designed specifically to meet your needs. New or certified systems are available with a variety of financing and service options. Visit us today.

**Universal Surgical Instruments**  
**Booth: 1212**  
www.universalsurgical.com

USI has supported the veterinary field for over 30 years by attending major symposiums and local conferences and by providing top quality surgical instruments at reasonable prices. Our own line of Super Cut Scissors both in surgical types and technician varieties far surpass the competition in quality and price. We offer a wide variety of surgical instruments to meet your clinic’s needs.

**Vetcompanion**  
**Booth: 1031**  
www.vetcompanion.com

A fusion of the most well-sourced, regularly updated clinical information and trusted formulary content available, in the palm of your hand. A digital evidence-based, point-of-care decision support tool for instant access to the most current diagnostic and treatment information right on your mobile devices and laptop. Now with fully integrated formulary. Uniquely essential. Join the Evolution!

**University of Tennessee’s Certificate Programs in Canine & Equine Rehabilitation**  
**Booth: 1818**  
www.neseminars.com

**USDA, Food Safety & Inspection Service**  
**Booth: 1807**  
www.fsis.usda.gov

**VCA Hospital Acquisitions**  
**Booth: 311**  
www.vca.com/acquisitions

VCA is a leading provider of pet health care services in the country delivered through our family of over 600 small animal veterinary hospitals. VCA provides exit strategy options for private practice owners by acquiring free-standing practices with a cash transaction. VCA helps owners achieve a more balanced life style by removing the burden of day-to-day management by providing resources and support to allow owners to focus on what they love to do.

**Vetmac Inc.**  
**Booth: 537**  
www.vetmac.com

Vetmac is your total Anesthesia equipment partner, offering innovative VAD Anesthetic machines and support for all your anesthesia needs. Vetmac also services most makes and models of Veterinary Anesthetic machines on site. The Vetmac name has become synonymous with quality and reliability.

**Vetco Clinics**  
**Booth: 1031**  
vetcoclins.com

Veto is a team of animal healthcare professionals located across the nation who are dedicated to wellness and non-emergency care for dogs and cats. As part of the Petco corporation family of brands, we serve pets in more than 1200 Petco and Unleashed locations across the US. At Vetco we work hard to provide affordable, quality care during convenient evening and weekend hours so pets stay healthy and pet parents stay happy! Stop by and talk to us about Veterinary career opportunities.

**VetCompanion**  
**Booth: 732**  
www.vetcompanion.com

A fusion of the most well-sourced, regularly updated clinical information and trusted formulary content available, in the palm of your hand. A digital evidence-based, point-of-care decision support tool for instant access to the most current diagnostic and treatment information right on your mobile devices and laptop. Now with fully integrated formulary. Uniquely essential. Join the Evolution!
EXHIBITOR DESCRIPTIONS

as of June 14, 2017

**VetCor**
Booth: 1610
www.vetcor.com
VetCor, founded in 1997, is a family of more than 200 exceptional hospitals in 23 states. Our central office provides management, marketing, and administrative support, allowing our practice teams to maximize focus on care of patients and clients. We maintain established practice names, styles, and employees; leave medical direction to each practice; and help our practices thrive with the help of added resources and shared ideas and experiences.

**Vetel Diagnostics**
Booth: 211
www.vetel.com
Achieve the best diagnosis possible with Vetel - Digital Radiography, Ultrasound, Lameness Locator®, Digital Endoscopy, Dental DR and Thermography. Metron PACS software, data archival and support, complete your diagnostics needs.

**Veterinary Concepts®**
Booth: 1210
www.veterinaryconcepts.com
Veterinary Concepts® provides unique and innovative products with over 40 years of experience in the animal healthcare industry. We offer a wide array of products for large and small animal practitioners in categories including: Containers, Reproduction, Dental, Specialty, Instruments, and Nutritionalists. Visit our booth to learn about our complete product line!

**Veterinary Emergency & Critical Care Society (VECCS)**
Booth: 1805
www.veccs.org

**Veterinary Imaging**
Booth: 501
vetimage.com

**Veterinary Orthopedic Implants**
Booth: 731
www.vetimplants.com

**Veterinary Practice News**
Booth: 1324
www.veterinarypracticenews.com
Veterinary Practice News is a business-to-business magazine for veterinarians and veterinary support staff published monthly. VPN showcases comprehensive and timely coverage of industry news and new products, highlights successful veterinary practices and practitioners, provides fresh and objective coverage of issues, trends and events, serves as an open forum for discussing controversial topics and covers new profit centers and best practices through its publication and corresponding website.

**Vet Innovations, Inc.**
Booth: 1502
www.vetinnovations.com
Vet Innovations, Inc. is a small company focused on creating products for improving the lives of pets, veterinarians and pet parents. Currently Vet Innovations, Inc. is launching the PortionPro Rx, an automated pet feeder that alleviates the stress of weight loss and therapeutic diets for multi-pet households.

**VetMatrix**
Booth: 1230
vetmatrix.com
VetMatrix provides internet marketing solutions for every budget and every need. The online marketing services are designed to equip veterinarians for success. Solutions include an advanced SEO solution, custom HD video and video marketing, paid advertising (PPC), social media management, and optimized websites.

**VetMEDResearch.com**
Booth: 434
VetMEDResearch.com
With more than 3,000 members, VetMEDResearch is the largest veterinary marketing research panel in the U.S. We connect veterinary product companies with veterinarians and hospital staff for surveys, focus groups and other research projects. We provide clients with a verified panel of veterinary professionals representative of U.S. veterinarians. And all our surveys pay incentives to participants.

**Vetoquinol USA**
Booth: 1234
www.vetoquinolusa.com

**VetRealLifeSim**
Booth: 1133
www.vetrealifesim.net
VetRealLifeSim IV/blood-draw task-trainer provides repeated practice for hands-on and human-animal interaction skills. It is an innovative, wearable simulation product for training in a clinic, classroom, and field setting.

**VetriScience® Laboratories**
Booth: 1409
www.foodsciencecorp.com
VetriScience® Laboratories provides veterinarians, pet owners and pets with solutions to the most common animal health concerns. Backed by science, and complementary to traditional therapies, our nutritional supplements are developed by veterinarians and use only the most pure and highly researched ingredients. For over 40 years, veterinarians have known VetriScience® as a company that sets new standards of quality, safety and efficacy.

**VetScene**
Booth: 1224
www.vetscenepractive.com
VetScene is an independent company providing cutting-edge marketing tools that work seamlessly with your clinic’s practice management software and will Increase Revenue, Improve Compliance, and Strengthen Client Loyalty. Patient Portal, Pet Health ID Cards®, customized clinic apps, VetScene TV, client loyalty program, veterinary websites, reputation management, full-color reminder postcards and more!

**Vetsource**
Booth: 1513
www.vetsource.com
Vetsource provides cutting edge, compliance building Home Delivery and pharmacy solutions to help veterinary hospitals meet their client’s demand for convenience, while simultaneously driving increased revenue and profits. Please visit www.vetsource.com for more information.

**VetSpecs, Inc.**
Booth: 835
www.vetspecs.com
VetSpecs, Inc. is a leading developer and marketer of veterinary vital signs monitoring equipment and devices. VetSpecs’ mission has always been to bring to the market innovative, valuable, easy-to-use, reliable, and affordable technologies to enhance patient care, improve staff productivity, and increase practice profitability. We are proud that our products are used by thousands of veterinary professionals worldwide.

**ViaGen Pet Services**
Booth: 337
www.viagenpets.com
For 15 years, ViaGen has lead the way in preserving the genetics of livestock and horses. Located in the US, we are recognized as the global leader in animal genetic preservation and cloning services. Help your clients extend the loving bonds they enjoy with their pets. Companion pet cloning now available in the US. Stop by booth 337 to learn more, sign up to be a referral Vet, and get some FREE swag!
VINX
Booth: 928
www.vin.com/vinx

Virbac
Booth: 523
www.virbavcivet.com
One of the world’s largest laboratories dedicated exclusively to animal health, Virbac develops, manufactures and distributes a wide range of products and services for use in companion animals. Offering products in heartworm, tick and flea, dermatology, antibiotic, endocrinology, senior care, behavior, critical care nutrition, and oral hygiene markets. Virbac aspires to be the number one choice of veterinarians, your trusted resource. Please visit our booth and ask how we can help your practice.

Virox Animal Health
Booth: 1418
www.virox.com
Virox Animal Health takes a Deliberately Different™ approach to biosecurity and infection prevention, with our revolutionary chemical disinfection technology combined with in-use protocols to optimize effectiveness. We are a proud sponsor of Fear Free, and committed to innovating, developing and improving peroxide based, environmentally sustainable cleaners and disinfectants for the companion animal health market.

Visual Management
Booth: 1208
www.visualmanagementllc.com
Visual Management LLC™ offers a variety of simple visual communication tools for clinicians, staff and clients. Effectively manage your practice with Clip-It™, Write-Boards®, Business Signs, ProFiles® and much more! Visual Management also provides promotional products, apparel and giveaway items for all your clinic’s marketing needs.

VitalPet
Booth: 331
www.vitalpet.com

VSSI, Inc.
Booth: 301
www.vssi.com

Web.com
Booth: 429
www.web.com
Web.com Group, Inc. provides a full range of Internet services to small businesses to help them compete and succeed online. Web.com is owner of several global domain registrars and further meets the needs of small businesses anywhere along their lifecycle with affordable, subscription-based solutions including website design and management, search engine optimization, online marketing campaigns, local sales leads, social media, mobile products, eCommerce solutions and call center services.

Wedgewood Pharmacy
Booth: 227
wedgewoodpetrx.com
Wedgewood Pharmacy, your trusted partner for compounded preparations since 1980, offers over 7,500 formulations, including innovative and compliance-friendly dosage forms like Gourmeds®, Twist-a-Dose®, Tiny Tabs® and Quad tabs®. These DeliverEase® dosage forms may make administering medication easier, less expensive and more enjoyable for you, your patients and their owners. Visit our booth and learn more about Order.WedgewoodPetRx.com, where easy ordering and prescribing is just a click away!

Wells Fargo Practice Finance
Booth: 1105
wellsfargo.com/practicefinance
Wells Fargo Practice Finance helps veterinarians start, grow, and transition their practices with financing, planning resources, and professional support to help navigate the path. A leading specialty healthcare lender, we understand the business of growing successful practices.

Wells Fargo Retail Card Services
Booth: 925
WellsFargoHealthAdvantage.com
The Wells Fargo Health Advantage® credit card program offers a wide range of financing options. With no interest, no interest if paid in full, and extended term financing, your veterinary clinic can focus on providing care to your customers while growing your business. Visit booth #925 or WellsFargoHealthAdvantage.com.

WERUVA
Booth: 333
www.weruva.com
World class cat and dog food cans, pouches, dog kibble, kitty litter and freeze-dried treats.

Wiley
Booth: 610
www.wiley.com
Wiley, a global company, helps people and organizations develop the skills and knowledge they need to succeed. Our online scientific, technical, medical, and scholarly journals, combined with our digital learning, assessment and certification solutions help universities, societies, businesses, governments, and individuals increase the academic and professional impact of their work.

Woodrow Wear
Booth: 228
www.woodrowwear.com
Power Paws are an indoor/outdoor solution for many pet issues. Indoors, they provide traction and help dogs with mobility issues move easily. They are also a breathable solution for injured paws, and perfect for protecting hardwood floors. Outdoors, Power Paws protect year ’round against allergens, heat, snow, salt, and ice. They come in 13 sizes, 2 distinct foot shapes, and 3 durability levels. Over 110,000 dogs are wearing Power Paws in 53 countries. Come see what makes Power Paws so special!

World Aquatic Veterinary Medical Association
Booth: 1800
www.wavma.org

Vortech Pharmaceuticals Ltd.
Booth: 312
www.vortechpharm.com

WVC
Booth: 402
www.wvc.org
WVC provides practical, quality continuing education to the veterinary community through an array of learning styles and environments. Career building and hands-on learning, lecture-based learning program ‘On the Road’ and the WVC Annual Conference.

Zero Gravity Skin
Booth: 1108
www.zerogravityskin.com

DIAMOND PARTNER

Zoetis
Booth: 901, 1308
zoetis.com
Zoetis (zo-EH-tis) is the leading animal health company, dedicated to supporting its customers and their businesses. Building on more than 60 years of experience in animal health, Zoetis discovers, develops, manufactures and markets veterinary vaccines and medicines, complemented by diagnostic products and genetic tests and supported by a range of services.
Gin Blossoms

Sunday, July 23
Doors Open 6:30 PM
90's Trivia Party 6:45 PM
Concert 7:30 PM

Sponsored by Boehringer Ingelheim
Adults: $10, Children under 18: Free
WWW.GINBLOSSOMS.NET
EDUCATIONAL SESSIONS

Saturday, July 22

Dental Symposium
Room 130-132

2:00 - 2:50 PM
Surgical Extractions: Dealing with Complications
and Tips for Achieving Predictable Healing
Dr. Christopher Snyder

3:00 - 3:50 PM
Canine Oral Health: Modalities and Management
Dr. Brook Niemiec

4:00 - 4:50 PM
Real Periodontal Cases: What Are You Missing?
Dr. Jan Bellows

5:00 - 5:50 PM
A Dental Plan for the Ages: Expert Panel on Maximizing Value
for Your Clinic and Your Clients
Dr. Niemiec, Dr. Bellows, Dr. Snyder, Mary L. Berg

Vaccine Symposium
Room 133-135

2:00 - 2:50 PM
Canine Vaccination: Protocols Redefined
Dr. Richard Ford

3:00 - 3:50 PM
Rabies Vaccination: The MUST KNOW Issues
Dr. Richard Ford

4:00 - 4:50 PM
Leptospirosis: Best Practices for Diagnosis, Treatment, and Prevention
Dr. Richard Goldstein

5:00 - 5:50 PM
*Borrelia burgdorferi: A Clinical Picture of Canine Lyme Disease
Dr. Carrie White

Sunday, July 23

Tick Panel - Sunrise Session
AVMA CE Theater 1

7:00 - 7:50 AM
Lone Star Tick: Risk to Dogs | Risk to Humans
Dr. Brian Herrin, Dr. Scott Commins, Dr. Thomas Mather

Monday, July 24

Pain Symposium
Room 133-135

2:00 - 2:50 PM
Watch It Live! An On-Stage Expert Examination
of the Canine OA Patient
Dr. Denis Marcellin-Little

3:00 - 3:50 PM
Changing the Future for Your OA Patients:
Case-Based Management Methods
Dr. Denis Marcellin-Little

4:00 - 4:50 PM
Live Surgery Video Sessions: Mastering Routine
and Complicated Spays
Dr. Michael Conzemius

5:00 - 5:50 PM
Practical Applications for Orthopedic Diagnosis and Treatment
Dr. W. Preston Stubbs
Sunday, July 23

Tech Lunch
Room 130-132
12:00 - 1:00 PM
Fleas & Ticks: Talking It O.V.E.R. with Pet Owners
Janet McConnell

Tech Lunch
AVMA CE Theater 2
12:00 - 1:00 PM
Dental Home Care: Engage, Educate, Empower
Mary Berg

RECOMBITEK® Lyme and Lepto Happy Hour
Boehringer Ingelheim Booth #719
3:00 - 4:00 PM

Monday, July 24

Tech Lunch
Room 130-132
12:00 - 1:00 PM
Heartworms Exposed: Revealing the Reality and Risks of Heartworm Disease
Ken Yagi

Online Marketing Lunch
AVMA CE Theater 2
12:00 - 1:00 PM
How Digital Marketing Can Help Veterinarians Grow Their Business
Arnie Kuenn
ALUMNI RECEPTIONS
FRIDAY, JULY 21, 7:00 – 9:00 PM
Now on Friday!

Auburn University
Rock Bottom Restaurant & Brewery

Tufts University
O’Reilly’s Irish Bar and Restaurant

Colorado State University
JW Marriott Indianapolis
Room 101-102, First Floor

Tuskegee University
JW Marriott Indianapolis
Room 107, First Floor

Cornell University
RAM Restaurant & Brewery

University of California, Davis
JW Marriott Indianapolis
Room 205, Second Floor

Iowa State University
Champps of Indianapolis

University of Florida
JW Marriott Indianapolis
Room 106, First Floor

Kansas State University
CharBlue Steak and Seafood Restaurant

University of Georgia
JW Marriott Indianapolis
White River Ballroom D, First Floor

Louisiana State University
JW Marriott Indianapolis
Room 103, First Floor

University of Illinois
Slippery Noodle Inn

Michigan State University
Indiana State Museum
Canal Overlook Bridge

University of Minnesota
Shula’s Steakhouse
Upper Deck Room

Mississippi State University
Weber Grill

University of Missouri
McCormick and Schmick’s Indianapolis

North Carolina State University
Rock Bottom Restaurant & Brewery

University of Pennsylvania
JW Marriott Indianapolis
Room 104, First Floor

Ohio State University
Hard Rock Café Indianapolis

University of Tennessee
RAM Restaurant & Brewery

Oklahoma State University
JW Marriott Indianapolis
Private Hotel Suite

University of Wisconsin
JW Marriott Indianapolis
Room 105, First Floor

Oregon State University
Granite City Food & Brewery

Virginia-Maryland Regional College
of Veterinary Medicine
Primanti Bros.

Purdue University
NCAA Hall of Champions

Washington State University
Granite City Food & Brewery

Ross University
JW Marriott Indianapolis
White River Ballroom BC

Western University
JW Marriott Indianapolis
Room 204, Second Floor

Texas A&M University
Tin Roof
KEYNOTE BRUNCH
Insights for One Health from Centuries and Millennia Past
SATURDAY, JULY 22
10:00 AM – 12:00 PM  Doors Open 9:45 AM
INDIANA CONVENTION CENTER, HALL JK

Join us for brunch, learn what is new at the AVMA and hear from keynote speaker Paul Sereno. Earn 1 CE credit! Paleontologist. Explorer. Champion of One Health. That’s Paul Sereno. And we are honored to have him as our keynote speaker.

As veterinarians, no one is more passionate about maintaining and enhancing the bond between animals and people and the concept of One Health. We all have a duty to support, encourage and practice One Health.

Paul will share fascinating updates of how new developments in genetics, ancient DNA and paleoanthropology are giving us a whole new perspective on what actually happened in past animal-human health crises like the Plague. And he’ll share with us how new fossils and human development have yielded major insights into the timing of evolutionary changes to the human body.

The Keynote Brunch is open to full convention registrants, including veterinarians, technicians, practice staff, and students. Seating is first-come, first-served. Guests and exhibitors are invited to attend a Viewing Party in Room # 130-132.

Sponsored by

AVMA CONCERT FEATURING THE GIN BLOSSOMS

SUNDAY, JULY 23
90’S TRIVIA PARTY & GIVEAWAYS 6:45 PM
CONCERT 7:30 PM  Doors Open 6:30 PM
INDIANA CONVENTION CENTER, HALL JK

ADULTS: $10
CHILDREN UNDER 18: FREE

It’s time to bust out your Walkman, throw your hair into a scrunchie and step into the ’90s with the Gin Blossoms at AVMA’s Sunday night concert! Proclaimed the “Most ’90s Band of All Time,” the Gin Blossoms are best known for hits “Hey Jealousy,” “Found Out About You,” “Until I Fall Away,” “Allison Road,” “Til I Hear It From You” and “Follow You Down.” Come early to get your seat, fun giveaways and participate in the 90’s Trivia Party.

Still need to register? No problem – registration is available at the event entrance.

Sponsored by

Boehringer Ingelheim

Sponsored by

Hills
RECEPTIONS & OTHER EVENTS

MEET-THE-EXPERTS ROUND TABLE
Back by popular demand, earn 1.5 CE credit hours!
FRIDAY, JULY 21
5:00 – 6:30 PM
INDIANA CONVENTION CENTER
SAGAMORE 5-7
See page 17 for more information.

YOUNG PROFESSIONALS EVENT
New this year!
SATURDAY, JULY 22
6:30 – 8:00 PM
NCAA HALL OF CHAMPIONS
700 W. WASHINGTON STREET
Explore the interactive exhibits at the NCAA Hall of Champions while meeting and networking with your peers. See how fast you can pitch a baseball, or challenge your friends to a game of pick-up basketball! Enjoy appetizers and a cash bar while learning fun facts about every college sport. See walking map on page 12 for directions.

VETERINARY TECHNICIAN APPRECIATION EVENT
New day this year!
SATURDAY, JULY 22
7:00 – 9:00 PM
INDIANAPOLIS ZOO, OCEANS BUILDING
1200 W. WASHINGTON STREET
In appreciation for your dedication to the profession, AVMA invites veterinary technicians and technician students to an evening at the Indianapolis Zoo. The Oceans Building houses penguins, seals, sea lions and a dog shark tank where you can actually pet the sharks! See walking map on page 12 for directions.

DINE AROUND
New this year!
SATURDAY, JULY 22
7:00 PM
Check your registration materials for the dine around you signed up for. All restaurants within walking distance from your hotel, transportation not provided. Upon arrival at restaurant, check in with hostess as “AVMA” to be seated. Interested in participating? Stop at registration to see if there are any slots available. Limited availability. Attendees are responsible for their own dining expenses.

AVMF FOOD TRUCK FEST
SATURDAY, JULY 22
VIP EARLY ADMISSION 6:00 – 7:00 PM
GENERAL ADMISSION 7:00 – 9:00 PM
GEORGIA STREET, OUTSIDE INDIANA CONVENTION CENTER
Support the American Veterinary Medical Foundation (AVMF) while sampling the best of Indianapolis’s thriving food truck scene and enjoying the music of one of Indy’s best DJs. VIP tickets include early admission and access to VIP tents.

VIP TICKETS: $50
GENERAL ADMISSION TICKETS: $15 ($20 at the door)
VETERINARY STUDENT TICKETS: $5 ($10 at the door)
CHILDREN 10 AND UNDER: FREE
Tickets available at the door. Admission cost does not include food and drink purchases. Tickets are nonrefundable. Admission proceeds go to AVMF.

Sponsored by

WVLDI NETWORKING EVENT CO-HOSTED BY AVMA
SUNDAY, JULY 23
3:00 – 4:30 PM
INDIANA CONVENTION CENTER
ROOM # 130-132
Hosted by
JOIN US FOR A SPECIAL NETWORKING EVENT AND REFRESHMENTS!

**WHEN:** Sunday, July 23, 3:00 to 4:30 p.m.

**WHERE:** Rooms 130-132 (immediately adjacent to the Exhibit Hall), Indiana Convention Center

**WHAT:** The Networking Event, hosted by WVLDI & AVMA, will feature discussions on the gender wage gap, compassion fatigue, work/life balance and more. Areas of AVMA Economics research will also be collected.

For more information and updated event calendar visit [www.wvldi.org](http://www.wvldi.org).

This Networking Event made possible through support from:

[Boehringer Ingelheim](http://www.boehringer-ingelheim.com) 2017 Platinum Sponsor

[Banfield Pet Hospital](http://www.banfield.com) 2017 Gold Sponsor

And don’t forget to join WVLDI via social media:

[www.facebook.com/WVLDI/](http://www.facebook.com/WVLDI/)
[www.linkedin.com/groups/5114999](http://www.linkedin.com/groups/5114999)
[www.twitter.com/wvldi](http://www.twitter.com/wvldi)
### ADDITIONAL RELATED MEETINGS

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
<th>Time</th>
<th>Location</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAAP Animal Welfare Committee</td>
<td>SATURDAY, JULY 22</td>
<td>3:30 PM – 5:25 PM</td>
<td>Westin Indianapolis</td>
<td>Grand Ballroom 4</td>
</tr>
<tr>
<td>AAAP Avian Diseases Advisory Board</td>
<td>SATURDAY, JULY 22</td>
<td>2:30 PM – 3:25 PM</td>
<td>Westin Indianapolis</td>
<td>Capitol 3</td>
</tr>
<tr>
<td>AAAP Avian Diseases Editorial Board</td>
<td>SATURDAY, JULY 22</td>
<td>1:30 PM – 2:25 PM</td>
<td>Westin Indianapolis</td>
<td>Cameral</td>
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<tr>
<td>AAAP Awards Committee</td>
<td>SATURDAY, JULY 22</td>
<td>1:30 PM – 2:25 PM</td>
<td>Westin Indianapolis</td>
<td>Congress 2</td>
</tr>
<tr>
<td>AAAP Awards Dinner</td>
<td>MONDAY, JULY 24</td>
<td>6:00 PM – 8:00 PM</td>
<td>Westin Indianapolis</td>
<td>Grand Ballroom 4</td>
</tr>
<tr>
<td>AAAP Awards Reception</td>
<td>MONDAY, JULY 24</td>
<td>5:30 PM – 6:00 PM</td>
<td>Westin Indianapolis</td>
<td>Grand Ballroom 3</td>
</tr>
<tr>
<td>AAAP Board of Directors – Committee Chairs</td>
<td>MONDAY, JULY 24</td>
<td>1:00 PM – 5:00 PM</td>
<td>Westin Indianapolis</td>
<td>Grand Ballroom 2</td>
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<tr>
<td>AAAP Board of Directors Meeting</td>
<td>Thursday, July 20, 7:00 AM – 5:30 PM Friday, July 21, 7:00 AM – 11:30 AM</td>
<td>Westin Indianapolis</td>
<td>Grand Ballroom 1</td>
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<tr>
<td>AAAP Board of Directors Meeting</td>
<td>FRIDAY, JULY 21</td>
<td>7:00 AM – 11:30 AM</td>
<td>Westin Indianapolis</td>
<td>Grand Ballroom 1</td>
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<tr>
<td>AAAP Committee Chairs, Allied Group Presidents and BOD Meeting</td>
<td>SATURDAY, JULY 22</td>
<td>12:15 PM – 1:30 PM</td>
<td>Westin Indianapolis</td>
<td>Capitol 2</td>
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<tr>
<td>AAAP Diseases of Public Health Significance Committee</td>
<td>SATURDAY, JULY 22</td>
<td>3:30 PM – 4:25 PM</td>
<td>Westin Indianapolis</td>
<td>Cameral</td>
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<tr>
<td>AAAP Drugs and Therapeutics Committee</td>
<td>SATURDAY, JULY 22</td>
<td>3:30 PM – 4:25 PM</td>
<td>Westin Indianapolis</td>
<td>Grand Ballroom 3</td>
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<tr>
<td>AAAP Education Committee</td>
<td>SATURDAY, JULY 22</td>
<td>3:30 PM – 4:25 PM</td>
<td>Westin Indianapolis</td>
<td>Cabinet</td>
</tr>
<tr>
<td>AAAP Enteric Diseases Committee</td>
<td>SATURDAY, JULY 22</td>
<td>2:30 PM – 3:25 PM</td>
<td>Westin Indianapolis</td>
<td>Grand Ballroom 2</td>
</tr>
<tr>
<td>AAAP Epidemiology Committee</td>
<td>SATURDAY, JULY 22</td>
<td>2:30 PM – 3:25 PM</td>
<td>Westin Indianapolis</td>
<td>Chamber</td>
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<tr>
<td>AAAP Food Safety Committee</td>
<td>SATURDAY, JULY 22</td>
<td>3:30 PM – 4:25 PM</td>
<td>Westin Indianapolis</td>
<td>Caucus</td>
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<tr>
<td>AAAP Foundation Development Committee</td>
<td>SATURDAY, JULY 22</td>
<td>9:00 AM – 10:00 AM</td>
<td>Westin Indianapolis</td>
<td>Grand Ballroom 1</td>
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<tr>
<td>AAAP Foundation Scholarship Committee</td>
<td>SUNDAY, JULY 23</td>
<td>7:00 AM – 8:00 AM</td>
<td>Westin Indianapolis</td>
<td>Council</td>
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<td>AAAP History Committee</td>
<td>SATURDAY, JULY 22</td>
<td>3:30 PM – 4:25 PM</td>
<td>Westin Indianapolis</td>
<td>Grand Ballroom 1</td>
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<tr>
<td>AAAP LAC Committee</td>
<td>SATURDAY, JULY 22</td>
<td>3:30 PM – 4:25 PM</td>
<td>Westin Indianapolis</td>
<td>Capitol 1</td>
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<tr>
<td>AAAP Membership Committee</td>
<td>SATURDAY, JULY 22</td>
<td>2:30 PM – 3:25 PM</td>
<td>Westin Indianapolis</td>
<td>Caucus</td>
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<td>AAAP Moderators Meeting</td>
<td>FRIDAY, JULY 21</td>
<td>9:00 AM – 11:30 AM</td>
<td>Westin Indianapolis</td>
<td>Chamber</td>
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<tr>
<td>AAAP New Member Orientation</td>
<td>SATURDAY, JULY 22</td>
<td>1:30 PM – 2:25 PM</td>
<td>Westin Indianapolis</td>
<td>Cabinet</td>
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<tr>
<td>AAAP Past Presidents’ Luncheon</td>
<td>SUNDAY, JULY 23</td>
<td>12:15 PM – 1:45 PM</td>
<td>Westin Indianapolis</td>
<td>Caucus</td>
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<td>AAAP Poultry Professional Networking</td>
<td>SATURDAY, JULY 22</td>
<td>5:30 PM – 6:30 PM</td>
<td>Westin Indianapolis</td>
<td>Capitol 1</td>
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</tbody>
</table>
ADDITIONAL RELATED MEETINGS

AAAP Preceptorship Committee
SATURDAY, JULY 22
2:30 PM – 3:25 PM
Westin Indianapolis
Room: Grand Ballroom 1

AAAP Research Priorities Committee
SATURDAY, JULY 22
1:30 PM – 2:25 PM
Westin Indianapolis
Room: Grand Ballroom 2

AAAP Respiratory Diseases Committee
SATURDAY, JULY 22
3:30 PM – 5:25 PM
Westin Indianapolis
Room: Grand Ballroom 5

AAAP Small Flocks Committee
SATURDAY, JULY 22
2:30 PM – 3:25 PM
Westin Indianapolis
Room: Capitol 1

AAAP Small Flocks Interest Group
FRIDAY, JULY 21
8:00 AM – 11:00 AM
Westin Indianapolis
Room: Capitol 1

AAAP Toxic, Infectious, Miscellaneous & Emerging Diseases Committee
SATURDAY, JULY 22
3:30 PM – 5:25 PM
Westin Indianapolis
Room: Capitol 2

AAAP Tumor Virus Committee
SATURDAY, JULY 22
3:30 PM – 5:25 PM
Westin Indianapolis
Room: House

AAASRP Annual Membership Meeting
SATURDAY, JULY 22
1:00 PM – 2:00 PM
Indiana Convention Center
Room: 210

AAVMC Assembly Meeting
SATURDAY, JULY 22
8:00 AM – 12:00 PM
JW Marriott Indianapolis
Room: Grand Ballroom 4

AAVMC Board of Directors Meeting
FRIDAY, JULY 21
8:00 AM – 4:00 PM
JW Marriott Indianapolis
Room: 101-102

ABVT Annual Business Meeting
MONDAY, JULY 24
7:00 AM – 11:00 AM
JW Marriott Indianapolis
Room: White River Ballroom B

ACLAM BOD Meeting
WEDNESDAY, JULY 19
7:00 AM – 4:00 PM
JW Marriott Indianapolis
Room: 204

ACLVPM Annual Meeting
SUNDAY, JULY 23
3:00 PM – 6:00 PM
JW Marriott Indianapolis
Room: Grand Ballroom 1

ACVPM Epidemiology Specialty Annual Meeting
SUNDAY, JULY 23
1:00 PM – 3:00 PM
JW Marriott Indianapolis
Room: 301

American College of Animal Welfare Annual Meeting
TUESDAY, JULY 25
9:30 AM – 2:00 PM
JW Marriott Indianapolis
Room: 301

American Veterinary Medical Law Association Annual Continuing Education Conference
SATURDAY, JULY 22, 1:00 PM – 6:00 PM
SUNDAY, JULY 23, 8:00 AM – 5:00 PM
JW Marriott Indianapolis
Room: 309-310

AAFPHPV & NAFV Member Meeting
SUNDAY, JULY 23
11:00 AM – 1:00 PM
Indiana Convention Center
Room: 231

ACVB Member Meeting
FRIDAY, JULY 21
1:00 PM – 8:00 PM
JW Marriott Indianapolis
Room: 201-202

ACVB Resident Short Course
WEDNESDAY, JULY 19
7:00 AM – 10:00 PM
JW Marriott Indianapolis
Room: 105

ACVB Veterinary Behavior Symposium
THURSDAY, JULY 20
7:00 AM – 10:00 PM
JW Marriott Indianapolis
Room: Grand Ballroom 7

ACVB Veterinary Behavior Symposium - Exhibit Hall
THURSDAY, JULY 20
7:00 AM – 10:00 PM
JW Marriott Indianapolis
Room: Grand Ballroom 8

ACVPM Annual Meeting
SUNDAY, JULY 23
3:00 PM – 6:00 PM
JW Marriott Indianapolis
Room: Grand Ballroom 1

ACVPM Board of Directors Meeting
SUNDAY, JULY 23
12:00 PM – 5:00 PM
JW Marriott Indianapolis
Room: 106

AAIV Networking Reception
SATURDAY, JULY 22
6:00 PM – 7:30 PM
JW Marriott Indianapolis
Room: 313

AASRP Annual Membership Meeting
SATURDAY, JULY 22
1:00 PM – 2:00 PM
Indiana Convention Center
Room: 210

ACPV Board of Governors Meeting
SUNDAY, JULY 23
7:00 AM – 9:30 AM
Westin Indianapolis
Room: Capitol 1

ACPV Exam #1
FRIDAY, JULY 21
7:00 AM – 5:30 PM
Westin Indianapolis
Room: House

ACPV Exam #2
FRIDAY, JULY 21
7:00 AM – 5:30 PM
Westin Indianapolis
Room: Senate 1-3

ACPV Exam Grading Room
FRIDAY, JULY 21
7:00 AM – 10:00 PM
Westin Indianapolis
Room: Grand Ballroom 3

ACPV Reception/Annual Meeting
SATURDAY, JULY 22
5:30 PM – 7:00 PM
Westin Indianapolis
Room: Capitol 3

ACPV Exam Grading Room
FRIDAY, JULY 21
7:00 AM – 10:00 PM
Westin Indianapolis
Room: Grand Ballroom 3

ACPV Reception/Annual Meeting
SATURDAY, JULY 22
5:30 PM – 7:00 PM
Westin Indianapolis
Room: Capitol 3
<table>
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<th>Event</th>
<th>Date</th>
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<th>Room</th>
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<tr>
<td>Association of Poultry Primary Breeder Veterinarians</td>
<td>SATURDAY, JULY 22</td>
<td>11:30 AM – 1:30 PM</td>
<td>Westin Indianapolis</td>
<td>Council</td>
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<tr>
<td>Association of Veterinarians in Broiler Production Breakfast</td>
<td>THURSDAY, JULY 20</td>
<td>7:00 AM – 9:00 AM</td>
<td>Westin Indianapolis</td>
<td>Capitol 1</td>
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<tr>
<td>Association of Veterinarians in Broiler Production Lunch</td>
<td>THURSDAY, JULY 20</td>
<td>1:00 PM – 2:00 PM</td>
<td>Westin Indianapolis</td>
<td>Capitol 1</td>
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<td>Association of Veterinarians in Egg Production</td>
<td>FRIDAY, JULY 21</td>
<td>7:00 AM – 11:00 AM</td>
<td>Westin Indianapolis</td>
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<tr>
<td>Association of Veterinarians in Turkey Production</td>
<td>THURSDAY, JULY 20, 1:00 PM – 5:00 PM</td>
<td>FRIDAY, JULY 21, 8:00 AM – 11:30 AM</td>
<td>Westin Indianapolis</td>
<td>Grand Ballroom 4</td>
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<tr>
<td>Auxiliary to the AVMA 100th Anniversary Lunch</td>
<td>SUNDAY, JULY 23</td>
<td>12:00 PM – 3:00 PM</td>
<td>JW Marriott Indianapolis</td>
<td>Grand Ballroom 4</td>
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<tr>
<td>Auxiliary to the AVMA Annual Member Meeting</td>
<td>SUNDAY, JULY 23</td>
<td>9:00 AM – 11:00 AM</td>
<td>JW Marriott Indianapolis</td>
<td>Grand Ballroom 2</td>
</tr>
<tr>
<td>AVMA Candidates’ Introductory Breakfast</td>
<td>FRIDAY, JULY 21</td>
<td>7:00 AM – 8:30 AM</td>
<td>JW Marriott Indianapolis</td>
<td>Room: White River Ballroom A-D</td>
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<tr>
<td>AVMA District Caucus 1</td>
<td>THURSDAY, JULY 20</td>
<td>6:00 PM – 8:00 PM</td>
<td>JW Marriott Indianapolis</td>
<td>Room: White River Ballroom A</td>
</tr>
<tr>
<td>AVMA District Caucus 2</td>
<td>THURSDAY, JULY 20</td>
<td>6:00 PM – 8:00 PM</td>
<td>JW Marriott Indianapolis</td>
<td>Room: White River Ballroom B</td>
</tr>
<tr>
<td>AVMA District Caucus 3</td>
<td>THURSDAY, JULY 20</td>
<td>6:00 PM – 8:00 PM</td>
<td>JW Marriott Indianapolis</td>
<td>Room: White River Ballroom C</td>
</tr>
<tr>
<td>AVMA District Caucus 4</td>
<td>THURSDAY, JULY 20</td>
<td>6:00 PM – 8:00 PM</td>
<td>JW Marriott Indianapolis</td>
<td>Room: White River Ballroom D</td>
</tr>
<tr>
<td>AVMA District Caucus 5</td>
<td>THURSDAY, JULY 20</td>
<td>6:00 PM – 8:00 PM</td>
<td>JW Marriott Indianapolis</td>
<td>Room: Grand Ballroom 5</td>
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<td>AVMA District Caucus 6</td>
<td>THURSDAY, JULY 20</td>
<td>6:00 PM – 8:00 PM</td>
<td>JW Marriott Indianapolis</td>
<td>Room: 101-102</td>
</tr>
<tr>
<td>AVMA District Caucus 7</td>
<td>THURSDAY, JULY 20</td>
<td>6:00 PM – 8:00 PM</td>
<td>JW Marriott Indianapolis</td>
<td>Room: 103-104</td>
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<tr>
<td>AVMA District Caucus 8</td>
<td>THURSDAY, JULY 20</td>
<td>6:00 PM – 8:00 PM</td>
<td>JW Marriott Indianapolis</td>
<td>Room: Grand Ballroom 1</td>
</tr>
<tr>
<td>AVMA District Caucus 9</td>
<td>THURSDAY, JULY 20</td>
<td>6:00 PM – 8:00 PM</td>
<td>JW Marriott Indianapolis</td>
<td>Room: Grand Ballroom 2</td>
</tr>
<tr>
<td>AVMA District Caucus 10</td>
<td>THURSDAY, JULY 20</td>
<td>6:00 PM – 8:00 PM</td>
<td>JW Marriott Indianapolis</td>
<td>Room: Grand Ballroom 3</td>
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<tr>
<td>AVMA District Caucus 11</td>
<td>THURSDAY, JULY 20</td>
<td>6:00 PM – 8:00 PM</td>
<td>JW Marriott Indianapolis</td>
<td>Room: Grand Ballroom 4</td>
</tr>
<tr>
<td>AVMA Future Leaders Press Conference</td>
<td>SATURDAY, JULY 22</td>
<td>5:00 PM – 6:00 PM</td>
<td>Indiana Convention Center</td>
<td>Room: GAVMA CE Theatre I</td>
</tr>
<tr>
<td>AVMA Governance Committee Meeting</td>
<td>TUESDAY, JULY 18</td>
<td>10:00 AM – 12:00 PM</td>
<td>JW Marriott Indianapolis</td>
<td>Room: 107</td>
</tr>
<tr>
<td>AVMA Reference Committee 1</td>
<td>THURSDAY, JULY 20</td>
<td>2:00 PM – 5:00 PM</td>
<td>JW Marriott Indianapolis</td>
<td>Room: White River Ballroom A</td>
</tr>
<tr>
<td>AVMA Reference Committee 2</td>
<td>THURSDAY, JULY 20</td>
<td>2:00 PM – 5:00 PM</td>
<td>JW Marriott Indianapolis</td>
<td>Room: White River Ballroom B</td>
</tr>
<tr>
<td>AVMA Reference Committee 3</td>
<td>THURSDAY, JULY 20</td>
<td>2:00 PM – 5:00 PM</td>
<td>JW Marriott Indianapolis</td>
<td>Room: White River Ballroom C</td>
</tr>
<tr>
<td>AVMA Reference Committee 4</td>
<td>THURSDAY, JULY 20</td>
<td>2:00 PM – 5:00 PM</td>
<td>JW Marriott Indianapolis</td>
<td>Room: White River Ballroom D</td>
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<tr>
<td>AVMA Reference Committee 5</td>
<td>THURSDAY, JULY 20</td>
<td>2:00 PM – 5:00 PM</td>
<td>JW Marriott Indianapolis</td>
<td>Room: Grand Ballroom 5</td>
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ADDITIONAL RELATED MEETINGS

**AVMA Reference Committee 6**
**THURSDAY, JULY 20**
2:00 PM – 5:00 PM
JW Marriott Indianapolis
Room: 101-102

**AVMA Reference Committee 7**
**THURSDAY, JULY 20**
2:00 PM – 5:00 PM
JW Marriott Indianapolis
Room: 103-104

**AVMA Strategy Management Committee Meeting**
**TUESDAY, JULY 18**
1:00 PM – 5:00 PM
JW Marriott Indianapolis
Room: 105

**AVMA VIP Registration**
**WEDNESDAY, JULY 19, 2:00 PM – 6:00 PM**
**THURSDAY, JULY 20, 6:30 AM – 2:00 PM**
JW Marriott Indianapolis
Room: First Floor Registration Desk

**AVMHS Program and Business Meeting**
**SATURDAY, JULY 22**
6:00 PM – 8:00 PM
JW Marriott Indianapolis
Room: White River Ballroom A

**CVM Annual Meeting, Worship Service, and Fellowship Breakfast**
**SATURDAY, JULY 22**
7:00 AM – 10:00 AM
JW Marriott Indianapolis
Room: 205

**Georgia MAM Alumni Breakfast**
**SATURDAY, JULY 22**
6:15 AM – 7:15 AM
Westin Indianapolis
Room: Grand Ballroom 1

**Global Health Summit Networking Reception**
**SUNDAY, JULY 23**
5:00 – 6:30 PM
Westin Indianapolis
Room: Grand Ballroom 1

**LGVMA Annual Meeting and Reception**
**MONDAY, JULY 24**
6:00 PM – 8:00 PM
JW Marriott Indianapolis
Room: 201

**LGVMA Strategic Planning Meeting**
**THURSDAY, JULY 20, 7:00 AM – 9:00 PM**
**FRIDAY, JULY 21, 7:00 AM – 12:00 PM**
JW Marriott Indianapolis
Room: 204

**Lighthouse Veterinary Personnel Services**
**SUNDAY, JULY 23**
11:30 AM – 12:30 PM
JW Marriott Indianapolis
Room: 304

**Merial Deans’ Luncheon**
**MONDAY, JULY 24**
11:30 AM – 1:30 PM
JW Marriott Indianapolis
Room: Grand Ballroom 3

**NC State Poultry Health Residents**
**SATURDAY, JULY 22**
7:00 PM – 10:00 PM
Westin Indianapolis
Room: Grand Ballroom 2

**SAVMA Budget Meeting**
**SATURDAY, JULY 22**
8:00 AM – 5:00 PM
JW Marriott Indianapolis
Room: White River Ballroom E-J

**SAVMA House of Delegates Meeting**
**SUNDAY, JULY 23, 7:00 AM – 7:00 PM**
**MONDAY, JULY 24, 7:00 AM – 7:00 PM**
JW Marriott Indianapolis
Room: White River Ballroom E-J

**SAVMA Luncheon Sponsored By Hill’s**
**MONDAY, JULY 24**
10:00 AM – 12:00 PM
JW Marriott Indianapolis
Room: Grand Ballroom 1

**SCAVMA Presidents’ Meeting**
**MONDAY, JULY 24**
8:00 AM – 5:00 PM
JW Marriott Indianapolis
Room: White River Ballroom D

**VIC Board Reception**
**SUNDAY, JULY 23**
6:00 PM – 7:30 PM
Hyatt Regency Indianapolis
Room: Concept A-D
SAVE THE DATE

It’s never too early to look forward to next year’s AVMA Convention! Join us in 2018 in the spectacular city of Denver for the world-class CE, networking opportunities, and fun you’ve come to expect from the AVMA.
PLAN NOW $AVE BIG LATER

Become a Convention Loyalty Program member today to lock in discounts at future conventions! Receive discounted registration fees for consecutive years of attendance.

FUTURE MEETING DATES

<table>
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<tr>
<th>Convention 2018</th>
<th>Convention 2019</th>
<th>Convention 2020</th>
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<tr>
<td>Denver July 13-17</td>
<td>Washington, DC Aug 2-6</td>
<td>San Diego July 31-Aug 4</td>
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HOW IT WORKS:

1. Register online at avmaconvention.org
2. When registration opens in 2018, you will be emailed a link to register with the discount automatically applied. It’s that easy!

LOYALTY MEMBER DISCOUNTS:

- $25 savings for 1st consecutive year
- $50 savings for 2nd consecutive year
- $75 savings for 3rd consecutive year
- $100 savings for 4th consecutive year

Terms & Conditions: Open to active AVMA Members at the time of enrollment and at the time of registration. Registration at each consecutive convention must have been a paid full convention registration type. Savings may not be combined with other convention discounts. Loyalty Program membership is non-transferable. Maximum savings is $100 for 4th consecutive year and beyond. The AVMA may amend or discontinue this program at any time without notice.