



ACVIM

2016 FORUM

COLORADO CONVENTION CENTER

Specialty Symposium | June 8, 2016

ACVIM Forum | June 9-11, 2016

Exhibit Hall | June 9-10, 2016



Forum



**You're invited to discover all the exciting things happening
at the intersection of human science and veterinary medicine**

ACVIM Breakfast Session CE Approved: 410-17716*

Inappetence in Dogs: What's New in its Management?

Presented by:

Audrey Cook, BVM&S, MRCVS, DACVIM (SAIM), DECVIM-CA, DABVP (Feline)

Jessica Wofford, DVM, PhD, Project Manager – Drug Development, Aratana Therapeutics

entyce[®]
(capromorelin oral solution)
A new way to treat inappetence

Friday, June 10, 2016

6:30 am – 8:30 am

Doors open at 6:30 am

Hyatt Centennial Ballroom F

Breakfast provided

*This program was reviewed and approved by the AAVSB RACE program for 1 hour of continuing education. Participants should be aware that some boards have limitations on the number of hours accepted in certain categories and/or restrictions on certain methods of delivery of continuing education. Please contact the AAVSB RACE program if you have any comments/concerns regarding this program's validity or relevancy to the veterinary profession.

IMPORTANT SAFETY INFORMATION: ENTyce[®] (capromorelin oral solution) is for use in dogs only. Do not use in breeding, pregnant or lactating dogs. Use with caution in dogs with hepatic dysfunction or renal insufficiency. Adverse reactions in dogs may include diarrhea, vomiting, polydipsia, and hypersalivation. Should not be used in dogs that have a hypersensitivity to capromorelin. Please see the full Prescribing Information for more details. A copy of the full Prescribing Information is available at the Aratana booth (#417).



ACVIM Sessions Sponsored by Aratana

From Theory to Therapeutic: Drug Development Basics for the Clinical Scientist

Linda Rhodes, VMD, PhD

Wednesday, June 8, 2016

9:05 am – 9:50 am

Colorado Convention Center – Room 201

Cachexia and Sarcopenia in Small Animals

Lisa M. Freeman, DVM, PhD, DACVN

Thursday, June 9, 2016

9:00 am – 9:50 am

Colorado Convention Center –
Mile High Ballroom 4ABCD

Abolishing Anorexia: the Physiology of Appetite Regulation and Use of Ghrelin Receptor Agonists

Audrey Cook, BVM&S, MRCVS, DACVIM (SAIM),
DECVIM-CA, DABVP (Feline)

Julie Allen, BVMS, MS, MRCVS, DACVIM (SAIM)

Thursday, June 9, 2016

10:30 am – 11:20 am

Colorado Convention Center –
Mile High Ballroom 4ABCD

New Therapeutics Impacting Oncology Practice

Chad Johannes, DVM, DACVIM (SAIM, Oncology)

Thursday, June 9, 2016

10:30 am – 11:20 am

Colorado Convention Center – Room 201

Feeding the Finicky Feline

Jessica Quimby, DVM, PhD, DACVIM (SAIM)

Thursday, June 9, 2016

11:30 am – 12:20 pm

Colorado Convention Center – Mile High Ballroom 4ABCD

The Importance of Body Size and Composition in Small Animal Heart Disease

Lisa M. Freeman, DVM, PhD, DACVN

Thursday, June 9, 2016

4:25 pm – 5:15 pm

Colorado Convention Center – Room 405/406/407

Hematologic Complications in Malignancy

Jackie Wypij, DVM, MS, DACVIM (Oncology)

Saturday, June 11, 2016

2:10 pm – 3:00 pm

Colorado Convention Center – Mile High Ballroom 1B

Visit
Booth
#417



Learn more about Entyce®
(capromorelin oral solution)
and other exciting therapeutics.
Register to win an Apple® Watch*.

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video for Entyce.®



*No purchase necessary. Must be 21 years of age and a licensed veterinarian or veterinary technician to be eligible to win. Void where prohibited. See official rules at the Aratana Therapeutics booth.



FROM CELEBRATION

FRIDAY
JUNE 10
6:00 - 7:30 pm

The **BIG BASH**

Hyatt Regency
CENTENNIAL
BALLROOM

TO EDUCATION

TECHNICIAN LUNCHEON

Thursday, June 9

Colorado Convention Center
Room 108
12:30 - 2:00 pm

Happy, Fit, Healthy:
How to Get More
of Your Clients' Pets
to a Happy Weight

KARA BURNS

MS, MEd, LVT, VTS (Nutrition), VTS-H (IM, D)
PRESIDENT, ACADEMY OF VETERINARY
NUTRITION TECHNICIANS

BREAKFAST SEMINAR

Friday, June 10

Hyatt Regency
Capitol Ballroom 1
6:30 - 8:30 am

Breaking it Down:
Building Blocks in
CKD Nutrition

VALERIE PARKER
DVM, DACVIM, DACVN





ACVIM

2016 FORUM

June 8-11, 2016

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CONTACT INFORMATION:

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Lakewood, CO 80214

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Dear Colleagues,

On behalf of the ACVIM Board of Regents, the members of the ACVIM Forum Program Committee and the ACVIM staff, welcome to the 2016 ACVIM Forum in Denver!

The ACVIM Forum is the world's largest conference focusing exclusively on veterinary internal medicine. This year more than 3,000 attendees from all over the world are expected: Board-certified veterinary specialists in small and large animal internal medicine, cardiology, neurology and oncology, veterinarians with a strong interest in these areas, residents, interns, graduate and professional students and veterinary technicians. The Forum is a leading event for professional growth, education, sharing of ideas with colleagues and exploration of the latest cutting edge developments in veterinary internal medicine.

Be sure to take advantage of this year's comprehensive program including:

- The Specialty Symposium and Reception on Wednesday, June 8 (access limited to ACVIM Diplomates, ACVIM candidates, and invited guests).
- A full selection of scientific sessions and interactive workshops, the technician program, and more. Attend as much as you like in the learning format that benefits you most. More than 460 hours of CE are available.
- The keynote presentation on Friday, June 10 by Dr. Peter C. Doherty, a world-famous Australian veterinarian and immunologist, and the only veterinarian to have received a Nobel Prize. Dr. Doherty was co-recipient with Rolf Zinkernagel of the 1996 Nobel Prize in Physiology or Medicine for their work in establishing the role of the Major Histocompatibility Complex in how T cells recognize virus infected cells. Their work laid the foundation for our understanding of how the immune system recognizes foreign antigens and the body's own cells. Dr. Doherty has authored six books, including *The Beginner's Guide to Winning the Nobel Prize*, *A Light History of Hot Air*, *Sentinel Chickens* and *The Knowledge Wars*. Dr. Doherty is an entertaining and engaging speaker and we look forward to his unique perspective regarding the role of science in society.
- Research abstract oral and poster presentations. Don't miss the Wine and Cheese Opening Reception with Poster Viewing on Thursday night.
- Opportunities to network with your colleagues during the Big Bash, luncheons and educational sessions.
- A bustling exhibit hall where you can meet our partners from the industry, learn about and buy new or familiar products, and get hands-on experience with the latest medical devices.

Whether it's your first time at the ACVIM Forum or you have been a regular attendee, you can look forward to outstanding educational opportunities during the next few days. Please enjoy time well spent with new and old colleagues in a wonderful city. Thank you for being part of the 2016 ACVIM Forum!

Harold C. McKenzie, III, DVM, MS, PGCert (VetEd), FHEA, Diplomate ACVIM (LAIM)
2016 ACVIM Forum Program Chairperson

THANK YOU TO THE MEMBERS OF THE 2016 ACVIM FORUM PROGRAM COMMITTEE

Dr. Harold McKenzie

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Chair

Dr. Frederic Gaschen

Small Animal Internal Medicine
Assistant Chair

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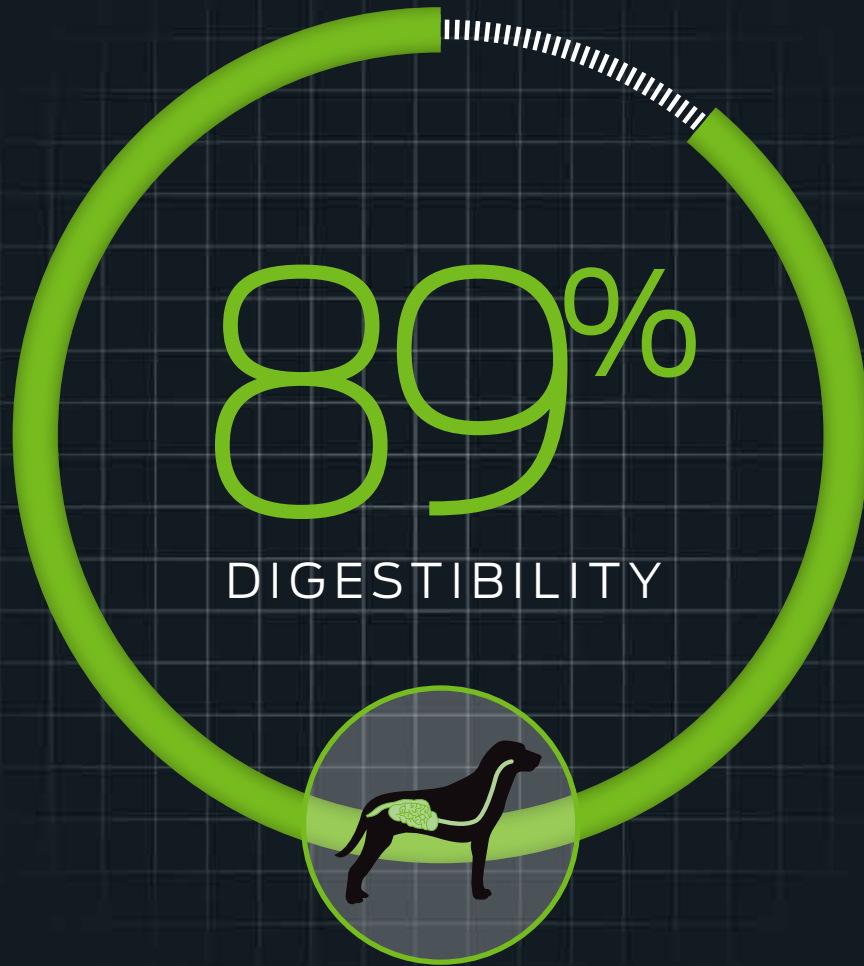
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Assistant Chair: Dr. Wendi Rankin

Small Animal Internal Medicine Subcommittee

Chair: Dr. Jana Gordon
Assistant Chair: Dr. Cathy Langston

A Number Like This
Is No Accident.



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A food with high total digestibility is important for patients with GI issues, and Purina Pro Plan Veterinary Diets HA delivers. Formulated with innovative ingredients, including a single hydrolyzed protein source and coconut oil as a source of medium-chain triglycerides, it's a great way to nutritionally manage dogs with dermatologic and GI issues.

From the first hydrolyzed diet for dogs with food allergies to the #1 recommended probiotic for pets*, Purina Pro Plan Veterinary Diets offers a comprehensive line of effective options for patients with GI issues, each led by purpose and backed by science. [Learn more at PurinaProPlanVets.com](http://PurinaProPlanVets.com)

* Millward Brown Veterinary Tracker, Fall 2015



PURINA®
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VETERINARY
DIETS

Visit booth #620 to learn more.

The ACVIM Forum is possible because of the generous support of these industry partners.

PLATINUM



A special thanks to VIN for their support of the mobile app, cyber cafés and attendee flash drives.

GOLD



SILVER



Boehringer Ingelheim



BRONZE



GENERAL



Hope. Elevated.

Changing the way cancer is fundamentally treated.



ELIAS Animal Health is a medical biotechnology company advancing the treatment of cancer in dogs with a novel therapeutic approach that offers the promise of improved clinical outcomes and quality of life. Our approach is profoundly simple: Every patient is unique. Every cancer is unique. Therefore, cancer therapy itself must be unique.

ELIAS Cancer Immunotherapy (ECI™) is a personalized T cell-based treatment platform currently in development that triggers the patient's own immune system to eliminate the individual cancer. We are changing the way cancer is fundamentally treated by developing novel immunotherapies as unique as the patient.



Learn more about **ELIAS Animal Health** at booth 813 and ask how you could win a **FREE Apple Watch**.



REGISTRATION DESK HOURS

The Registration Desk is located in the F Lobby at the Colorado Convention Center.

HOURS

Tuesday, June 7:	2:00–7:00 pm
Wednesday, June 8:	7:00 am–7:00 pm
Thursday, June 9:	7:00 am–7:00 pm
Friday, June 10:	7:00 am–7:00 pm
Saturday, June 11:	7:00 am–7:00 pm

LOCATIONS

All events will be held at the Colorado Convention Center (CCC) or the Hyatt Regency Denver (Hyatt) unless otherwise noted.

FREE WI–FI ACCESS

Stay connected with Wi-Fi access in all of the ACVIM Forum public areas at the Colorado Convention Center. Connect to the ACVIM network and login as follows:

Password: Denver2016

AUDIO AND VIDEO RECORDING

New this year! Many sessions will be video or audio recorded for on-demand viewing/listening following the ACVIM Forum. Icons identify recorded sessions throughout the program and instructions for accessing content will be sent to all attendees via email. Make sure to plan accordingly.



-  Indicates Video Recording
-  Indicates Audio Recording

PHOTO DISCLOSURE

ACVIM intends to take photographs and video of this event for use in ACVIM news and promotional materials, in print, electronic and other media, including the website. By participating in this event, you grant ACVIM the right to use any image, photograph, voice, or likeness without limitation, in its promotional materials and publicity efforts without compensation. All media becomes the property of ACVIM. Media may be displayed, distributed or used by ACVIM for any purpose.

MOBILE APP *Powered by*

The mobile app is the best way to stay connected and up-to-date on all conference activities. To access all the information you need with your smartphone or tablet, search for: 2016 ACVIM Forum in the store list. Through the app, you have access to the following features:

- Create a custom agenda
- Meeting and event schedules
- Latest program and room updates
- Exhibitor and sponsor information
- Proceeding notes
- Denver information

PROCEEDINGS

As a conference participant, you have access to the proceedings. Proceedings are available in the following locations:

- VIN website
- Cyber Cafés
- Flash drive
- Mobile app

VIN will be at the Cyber Cafés, located near registration and in the exhibit hall (booth 633) to provide assistance as needed.

FLASH DRIVES *Powered by*

All registered attendees will receive a flash drive in your conference materials. Each drive offers the conference proceedings with automatic updates/corrections each time you connect with your computer. Follow the instructions provided and enjoy!





PRODUCT SHOWCASE

Check out the 2016 ACVIM Forum Product Showcase located in the main convention center corridor and see some of the latest and most innovative products in the veterinary industry. Industry partners showcase their best and newest product ideas in one place for optimal viewing. Stop by and learn more and follow up with them in person at their booth in the exhibit hall. Featured partners include:

- ALICAM (booth 316)
- Aratana Therapeutics (booth 417)
- Dechra (booth 717)
- Hallmarq Veterinary Imaging (booth 803)
- IDEXX (booth 315)
- Infiniti Medical, LLC (booth 314)
- Karl STORZ Endoscopy-America, Inc. (booth 730)
- Sound (a VCA Company) (booth 107)
- Zoetis (booth 401)

MORE INFORMATION

For information about transportation options, parking, child care services, wheelchair and scooter rentals, please visit the ACVIM website at ACVIMForum.org under the “attend” section of the conference services.

CYBER CAFÉS *Powered by* VIN

Stay connected while away from the office by visiting one of the cyber café locations at the Colorado Convention Center. Check email, print your boarding pass or access the proceedings. Located near registration or in booth 633 in the exhibit hall.

CONTINUING EDUCATION CREDIT

Veterinarians

Earn up to 40 Continuing Education (CE) hours in just four days.

Technicians

Earn up to 32 hours of high caliber Continuing Education (CE) with tracks designed just for you.

ATTENTION Texas-Licensed Veterinarians

The 2016 ACVIM Forum meets the requirements of the Texas Veterinary Licensing Act mandated by the 79th Legislature and adopted by the Texas Board of Veterinary Medical Examiners relating to verifying continuing education credit for Texas-licensed veterinarians.

ATTENTION New York-based Veterinarians and Technicians

The 2016 ACVIM Forum meets the requirements for continuing education from the New York State Board of Veterinary Medicine.



ADVERTISING INDEX

Aratana Therapeutics.....	Pages 2-3
Hill’s Pet Nutrition.....	Page 4
Purina.....	Page 7
ELIAS Animal Health.....	Page 9
Nexvet.....	Page 14
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Bayer Healthcare Animal Health Division.....	Pages 78-79
BlackwellKing.....	Back Cover



EXHIBIT HALL HAPPENINGS

The exhibit hall will be a hub of activity with more than 130 companies showcasing the latest in veterinary products and services, as well as many conveniences to experience. Make sure to plan your time accordingly.

See detailed schedule or the Forum mobile app for more information.

EXHIBIT HALL HOURS

Thursday, June 9

9:30 am–5:00 pm, Reopens 6:00–7:30 pm

Friday, June 10

9:30 am–5:00 pm

Refreshment breaks daily in the exhibit hall at 9:50 am and 4:00 pm.

PLAN YOUR TRIP TO THE EXHIBIT HALL

Use the mobile app to review the exhibitor list alphabetically, by booth number or search by category. Schedule a time to meet face-to-face with exhibitors.

Powered by 

KNOWLEDGE CORNER

Back by popular demand! Visit the expanded Knowledge Corner in the exhibit hall for our popular Lunch and Learn sessions and more. Grab a beverage, lunch voucher and hear some exciting bursts of educational information.

Thursday and Friday

12:30 pm and 1:15 pm

Lunch sessions brought to you by



** Additional sessions may be scheduled.*

RECHARGE YOUR PHONE AND YOURSELF

Charge your phone at one of the charging stations located in the exhibit hall and take a moment to recharge yourself with a beverage at the barista station. Stop by booth 417 and pick up your free voucher.

Sponsored by 

ACVIM FOUNDATION

Make sure to stop by the ACVIM Foundation booth 800SA to learn more about the Memorial Program, show your school spirit with the Foundation challenge, participate in the cork pull or purchase your ACVIM apparel.

POSTERS AND MORE!

View the results of the latest scientific research while posters are on display Thursday and Friday in the exhibit hall. During the Wine and Cheese Reception on Thursday from 6:00–7:30 pm you'll have the opportunity to meet the authors, enjoy wine and cheese and take advantage of one of the photo opp areas to remember the event with your friends and colleagues. Find your drink ticket in your registration packet.

Sponsored by 

JOB BOARDS

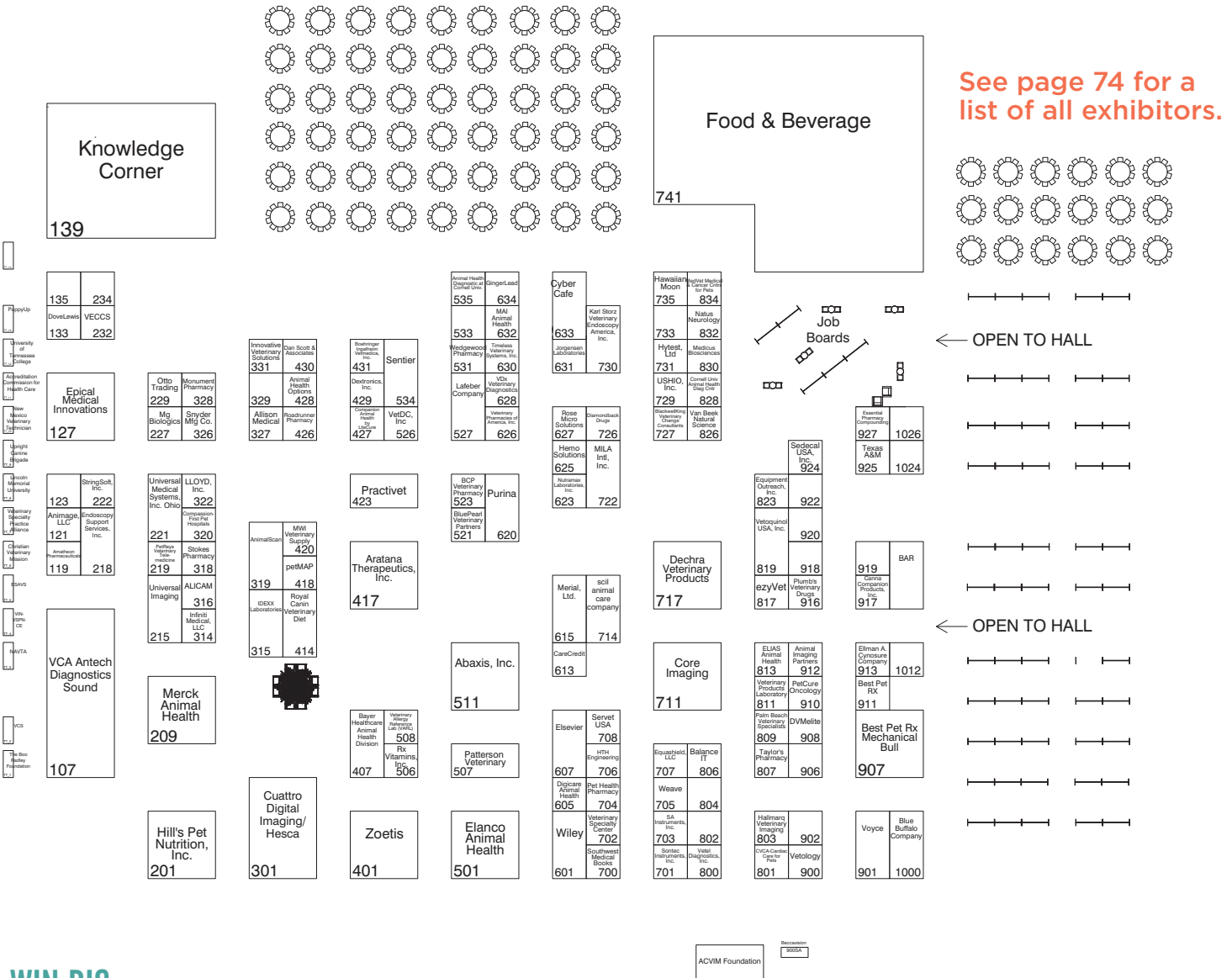
Looking for a new career opportunity or need to hire? Be sure to stop by the Job Boards located in the exhibit hall.

Sponsored by 

STAY CONNECTED THROUGHOUT THE DAY

Visit the Cyber Café in the exhibit hall, located in booth 633.

Powered by 



See page 74 for a list of all exhibitors.

WIN BIG

Visit these exhibitors and register to win amazing prizes.

Abaxis - Booth 511

Prize: Box of 12 rotors of your choice to run full chemistry panels on the VS2 in 12 minutes.

Dextronix - Booth 429

Prize: \$2,600 VET-ECG - Wireless resting ECG monitor including software and cables for Apple or Windows PC.

Digicare Animal Health - Booth 605

Prize: Handheld Masimo RAD57 SpO2 Monitor with Y multisite sensor and protective boot.

GingerLead - Booth 634

Prize: GingerLead Veterinary Starter Kit that includes our 4 popular GingerLeads

Sound - Booth 107

Prize: 2 tickets to the Sound Suite for the Padres vs Rockies baseball game, Friday, June 10th, 6:40 pm

Upright Canine Brigade - Table #9

Prize: Annie's Basket full of treats and goodies for Man's best friend plus a \$50 AMX card for you!

VIN-VSPN CE - Table #4

Prize: VSPN plush blanket and VSPN CE Gift Certificate

Check the mobile app for more exhibitors with contests and great prize giveaways!



MONTHLY INJECTABLE THERAPIES FOR CHRONIC DOG AND CAT PAIN

Join the Nexvet team and Professor Duncan Lascelles in this catered session discussing the latest major clinical study data in monthly injectable therapies for chronic dog and cat pain.

IN FOCUS

- * *Ranevetmab: completed pivotal safety and efficacy study of monthly subcutaneous injection in 246 dogs with osteoarthritis. Primary efficacy endpoint met and no adverse safety signals seen.*
- * *NV-02 (feline equivalent to ranevetmab): current safety and efficacy pilot study using monthly subcutaneous injection in 90+ cats with osteoarthritis.*

A background to medical need in chronic pain indications, this class of therapies (anti-NGF monoclonal antibodies), as well as NGF (nerve growth factor) itself will be given in addition to the data presentation and robust discussion.

WHERE AND WHEN

0630 - 0830
Thursday June 9th 2016
Hyatt Room Capitol 4
Breakfast will be served from 0615

Nexvet 
Transforming animal medicine

* Therapies discussed are undergoing clinical evaluation and have not received regulatory approval.



ACVIM BOARD OF REGENTS

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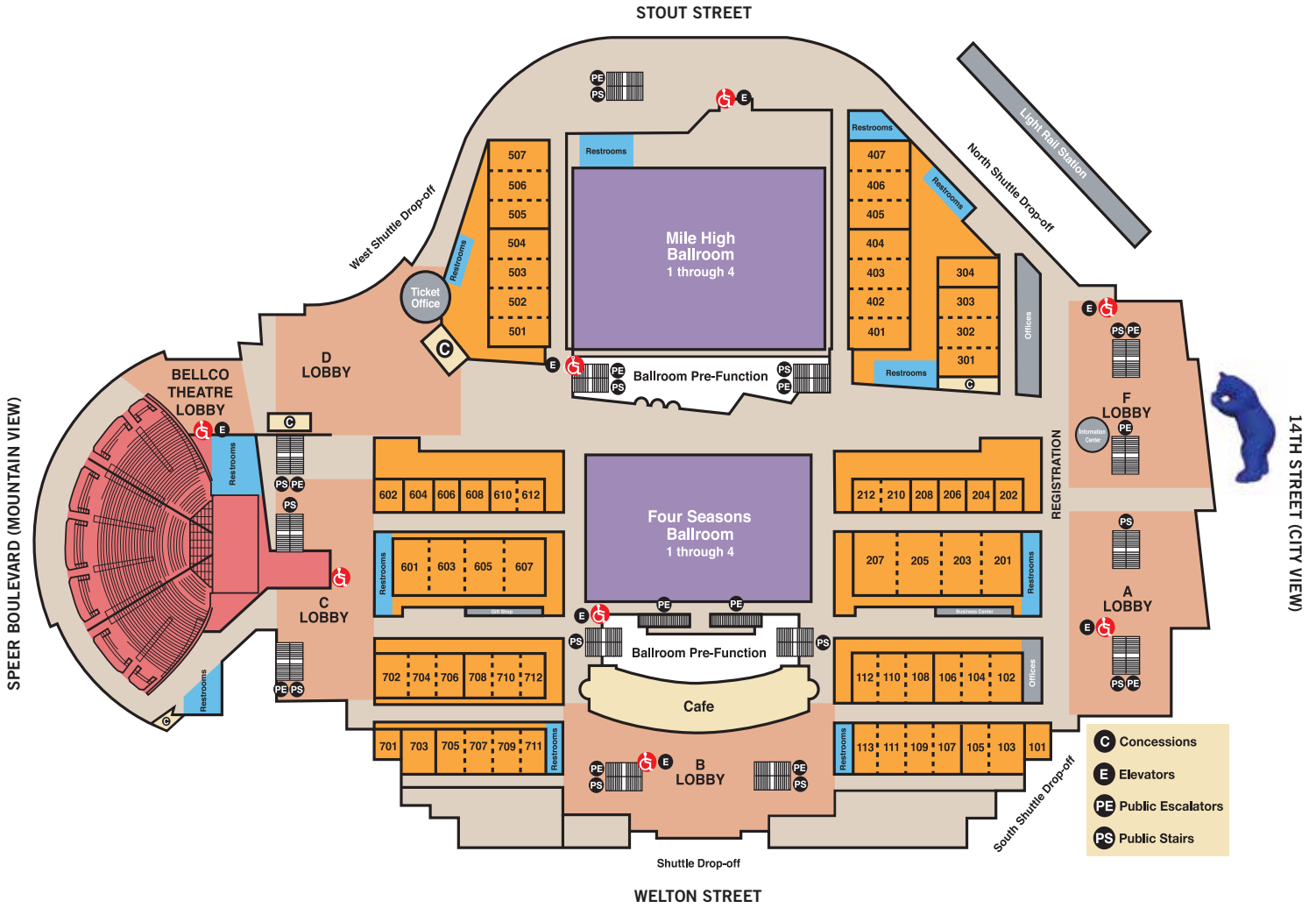
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A special thank you to all of our ACVIM volunteers!

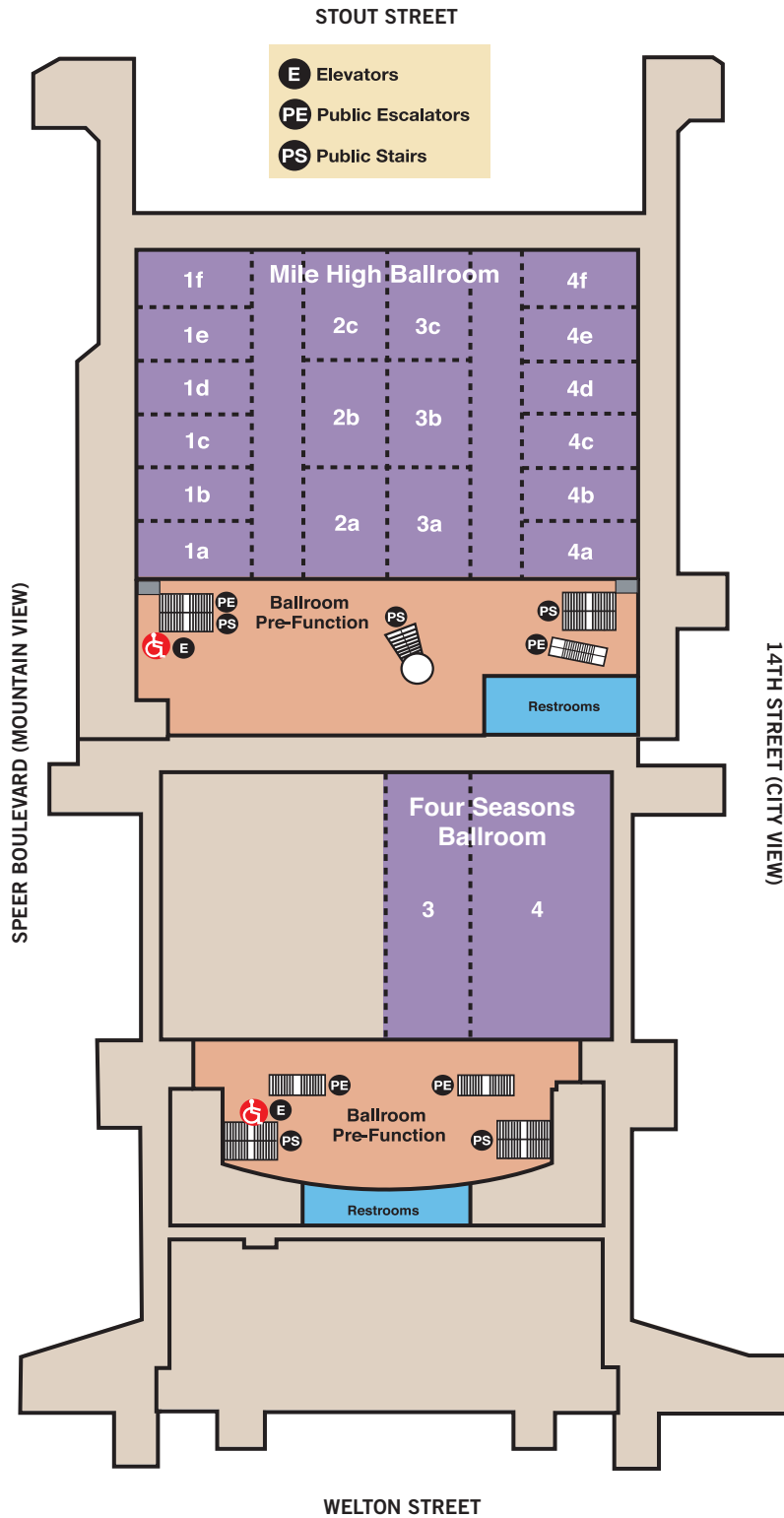


MEETING ROOM LEVEL





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at Booth
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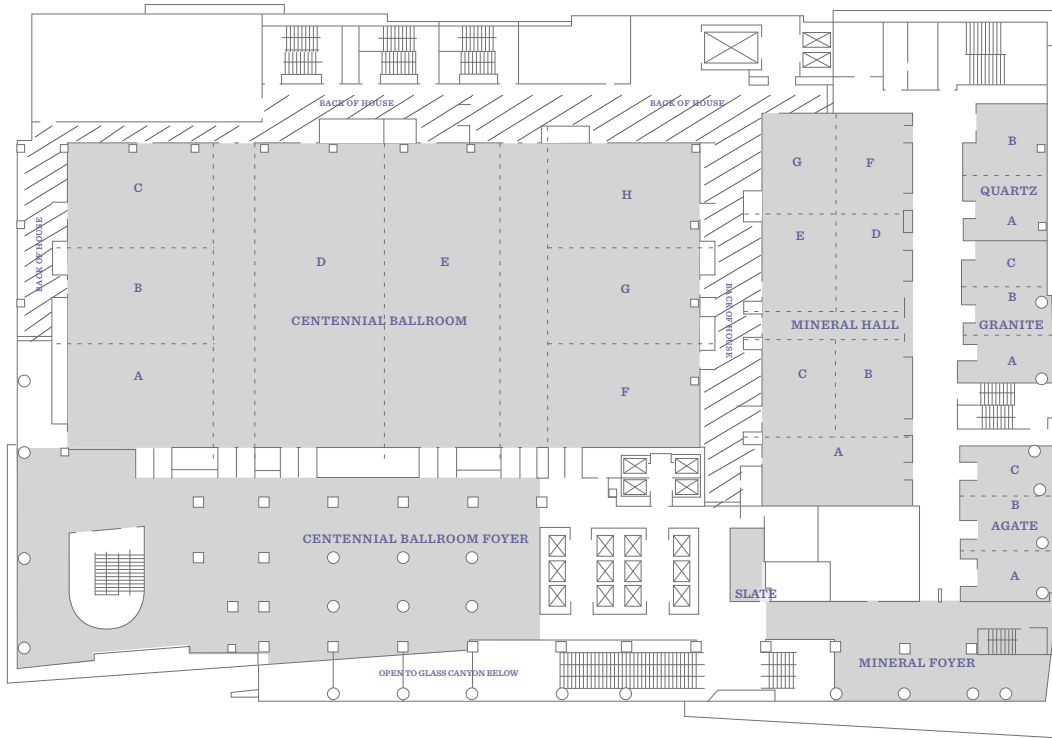
Find us at upcoming veterinary events:
AVMA #217 | CVC CENTRAL #223 | AHVMA #221

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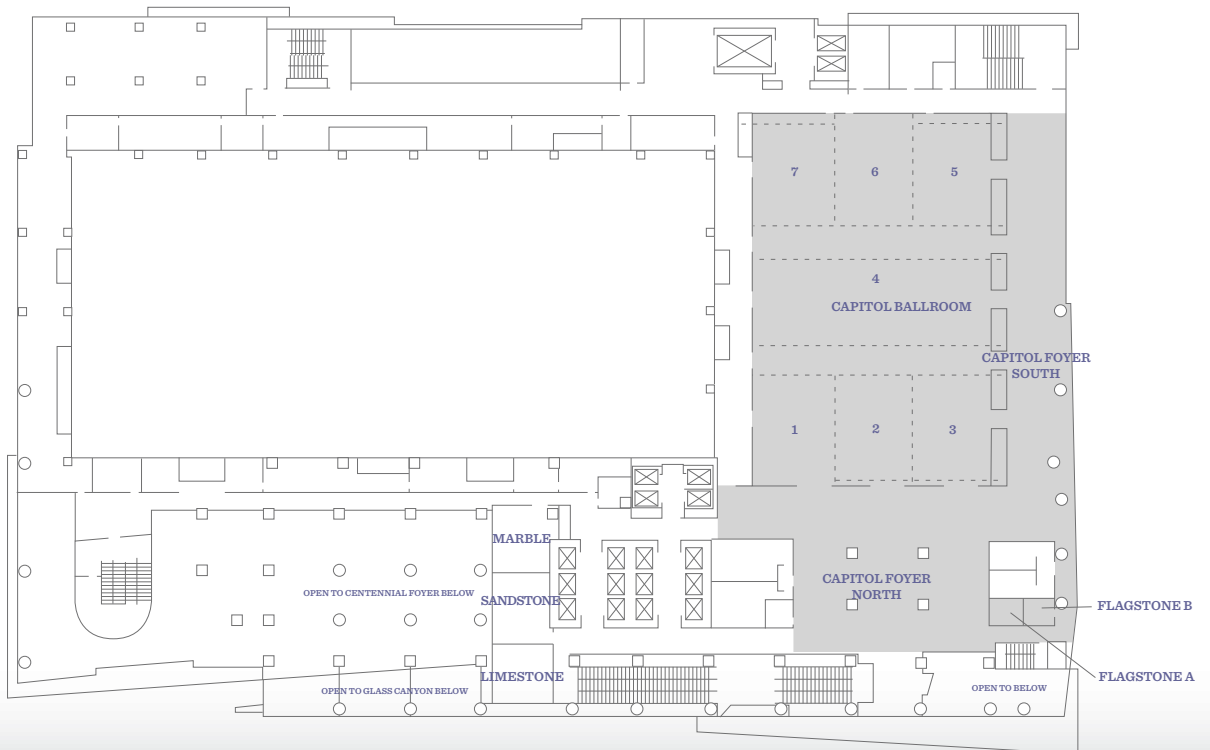
Better Data Drives Better Medicine™



THIRD FLOOR



FOURTH FLOOR



RESEARCH FOCUS LECTURES

State-of-the-Art (SOTA) presentations are geared for ACVIM Diplomates. The speakers are recognized as experts in their topic areas. During each lecture, information from the last two years is presented and encompasses new material. Background information is minimal in order to provide sufficient time for new material.

Research Report presentations permit active researchers in the field the opportunity to present new findings using an extended abstract format. The findings may be clinical or basic in nature. The majority of each presentation is comprised of cutting-edge research findings.

Research Abstract presentations permit all researchers in the field the opportunity to present new findings in a 15-minute oral or poster presentation. The findings may be clinical or basic in nature. The majority of each presentation is comprised of cutting-edge research findings.

COMPREHENSIVE REVIEW LECTURES

Comprehensive Review lectures cover a review of fundamental principles of disease or an area of applied medicine. The 50-minute lectures provide an extensive, critical, up-to-date overview of a topic that is directly or indirectly applicable to veterinary internal medicine. Content is derived from evidence-based reports and similar sources with minimal inclusion of empirical information. The subject matter goes well beyond an advanced graduate or advanced professional student/resident lecture in complexity and depth.

CLINICAL WORKSHOPS

Clinical Workshops are interactive lectures with advanced medicine cases or pertinent topics presented and discussed in an informal setting. Clinical examples illustrate the most current diagnostic and treatment methods, and demonstrate a problem-based approach to managing complex disease.

POST-GRADUATE COURSES

Post-Graduate Courses, offered in a mini-course format, are a series of advanced level lectures on a topic of clinical interest. Each course includes a critical current overview but may also incorporate clinical case examples and other case material. Courses may include two, three or four 50-minute consecutive lectures on a thematic topic.

INTERACTIVE SESSIONS

Interactive Sessions are interactive in nature and include Breakfast with the Expert sessions, Special Interest Group (SIG) meetings, Workshops and Case Discussions.

Breakfast with the Expert sessions are limited in size to facilitate the interaction and discussion of ideas in a small group setting.

Special Interest Groups are meetings of people who share a common interest.

Workshops are short courses that demonstrate the practical application of skills and principles using animal models, videotapes, or slides, and/or one that encourages free discussion or exchange of ideas.

Case Discussions are interactive short courses that utilize case materials to illustrate principles of veterinary internal medicine.

COMMERCIAL PRESENTATIONS

Commercial Presentations are educational and state-of-the-art sessions with information about veterinary products and services that are impacting the veterinary industry. These educational programs are presented by ACVIM Industry Partners who are at the forefront of some of the latest developments in products, services and techniques that impact animal health care.

KEY FOR SESSIONS for the following pages

 BUSINESS MANAGEMENT

 CARDIOLOGY

 EQUINE

 FOOD ANIMAL

 NEUROLOGY


 ONCOLOGY

 ONE MEDICINE

 RESEARCH ABSTRACTS
ORAL PRESENTATIONS

 SMALL ANIMAL INTERNAL
MEDICINE & AFFILIATED
GROUPS

 TECHNICIAN

 Indicates State-of-the-Art (SOTA)
Presentation

 Indicates ERC Approved Lecture for
ACVIM Residency


 Indicates ACVIM Resident Research
Award Eligible

 Indicates Video Recording




 Indicates Audio Recording



TUESDAY, JUNE 7

Time	Event	Room
8:00 am-12:00 pm	ACVIM Board of Regents Meeting	Hyatt Centennial Ballroom F
8:00 am-12:00 pm	American College of Veterinary Nutrition (ACVN) Certification Exam	Hyatt Granite AB
8:00 am-12:30 pm	AIMVT & AVNT Examinations	Hyatt Mineral Hall E
8:30 am-5:15 pm	General Exam	Hyatt Capitol Ballroom
1:00-5:00 pm	ACVIM Foundation Board of Directors Meeting	Hyatt Centennial Ballroom F
1:00-5:00 pm	JVIM Editorial Board Meeting	Hyatt Mineral Hall F
1:30-6:00 pm	AIMVT Executive Board Meeting	Hyatt Mineral Hall C
2:00-7:00 pm	Cyber Café	CCC F Lobby <i>Powered by </i>
2:00-7:00 pm	Registration Desk	CCC F Lobby
2:00-7:00 pm	Speaker Ready Room	CCC 301
3:00-5:00 pm	Forum Program Committee Meeting, Part I <i>(Specialty Programs Only)</i>	Hyatt Mineral Hall D
3:00-10:00 pm	American College of Veterinary Nutrition (ACVN) Annual Meeting	Hyatt Centennial Ballroom H
4:00-5:30 pm	Marketing & Communications Committee (MCC) Meeting	Hyatt Mineral Hall B
5:30-7:00 pm	Candidate/Diplomate Reception* ACVIM Diplomates and Candidates Only <i>*Pre-registration and ticket required for admittance.</i>	OFFSITE <i>Sponsored by </i>
7:30-9:30 pm	LAIM Residency Training Committee (RTC) Meeting	Hyatt Sandstone
7:30-9:30 pm	SAIM Residency Training Committee (RTC) Meeting	Hyatt Limestone



WEDNESDAY, JUNE 8

Time	Event	Room
6:30-7:50 am	Advanced Continuing Education (ACE) Committee Meeting	Hyatt Marble
6:30-8:00 am	International Credentials and Relations Committee (IRC) Meeting	Hyatt Sandstone
7:00-7:30 am	Moderator Training	CCC 201
7:00 am-6:30 pm	16th Annual AAVN Clinical Nutrition & Research Abstract Symposium	Hyatt Mineral Hall DEFG
7:00 am-7:00 pm	Cyber Café	CCC F Lobby <i>Powered by </i>
7:00 am-7:00 pm	BlackwellKing Candidate Lounge	CCC F Lobby <i>Sponsored by </i>
7:00 am-7:00 pm	Registration Desk	CCC F Lobby
7:00 am-7:00 pm	Speaker Ready Room	CCC 301
7:00 am-7:00 pm	VCA Diplomate Lounge	CCC F Lobby <i>Sponsored by </i>

WEDNESDAY, JUNE 8



Time	Event	Room
7:30 am-7:15 pm	Childcare*	Hyatt Agate AB
8:00 am-7:00 pm	Specialty Symposium* The ACVIM Specialty Symposium content is exclusively dedicated to ACVIM Diplomates and ACVIM candidates. Each of the five specialties (Cardiology, Large Animal Internal Medicine, Oncology, Neurology and Small Animal Internal Medicine) has dedicated specialty content that focus on in-depth topics that are extremely relevant. Each specialty also hosts a luncheon or dinner and Diplomate certificate ceremony to recognize new Diplomates that have achieved their specialty status.	See pages 22-26 for details on sessions, luncheons and business meetings.
12:00-4:55 pm	Technician Case Report Presentations <i>Sponsored by</i> 	CCC 111/113 See pages 26-27 for details.
12:00-1:30 pm	AAVN Membership Business Luncheon	Hyatt Mineral Hall BC
12:00-1:30 pm	SAIM RTC/CC Meeting	CCC 103/105
1:00-2:00 pm	Friends of Dr. Bob and Bill W. Meeting	CCC 101
5:00-7:00 pm	Specialty Symposium Reception <i>Sponsored by</i> 	CCC Mile High Ballroom Foyer
5:30-6:30 pm	AIMVT/AVNT Reception & Technician Case Presentation Awards <i>Sponsored by</i> 	Hyatt Capitol Ballroom 5
6:30-8:30 pm	AIMVT General Membership Meeting	Hyatt Capitol Ballroom 6
7:00-9:00 pm	(IS05) SIG: ISCAID Discussion: Canine Influenza Virus Surveillance, Mapping, and Diagnostic Testing • A. Glaser <i>Sponsored by</i> 	CCC 103/105
7:15-11:00 pm	LAIM Specialty Reception* <i>Sponsored by</i> 	INVITE ONLY
7:15-11:00 pm	Oncology Specialty Dinner and Diplomate Certificate Ceremony* <i>Sponsored by</i>  	OFFSITE


Cardiology Specialty Symposium*

Time	Session Title • Speaker	Room
8:00-8:10 am	Cardiology Specialty President Welcome • J. Rush	CCC Mile High Ballroom 2A/3A
8:10-9:00 am	Cardiac CT and MRI: Visualizing the Heart in 3 Dimensions • B. Scansen	
9:00-9:50 am	3D Modeling from CT Angiography in Congenital Heart Disease • S. Gordon, A. Saunders	
	BREAK <i>Sponsored by</i>  	
10:10-11:00 am	Advanced Imaging for Congenital Heart Disease • J. Orvalho, B. Scansen, R. Ohye	CCC Mile High Ballroom 2A/3A
11:00-11:50 am	* SOTA: The Heart of the Matter: Diagnosis and Treatment of Common Human Congenital Heart Disease and Parallels in Veterinary Patients • R. Ohye	
12:00-1:30 pm	Specialty of Cardiology Luncheon and Diplomate Certificate Ceremony	CCC Mile High Ballroom 2B/3B




WEDNESDAY, JUNE 8

Cardiology Specialty Symposium* (continued)		
Time	Session Title • Speaker	Room
1:30–3:00 pm	ACVIM Candidate Function: Cardiomyopathy Update • <i>V. Luis Fuentes</i>	CCC Mile High Ballroom 1A
1:30–3:00 pm	Specialty of Cardiology Business Meeting	CCC Mile High Ballroom 2A/3A
3:00–3:45 pm	Changes in Certification Manual for Residents, Mentors, and Training Programs • <i>R. Gompf</i>	
	BREAK	
	Sponsored by  Boehringer Ingelheim  IDEXX	
4:00–4:50 pm	Cardiac Cancer Panel Discussion • <i>A. Pelosi, S. LaRue, D. Prescott</i>	CCC Mile High Ballroom 2A/3A
5:00–7:00 pm	Specialty Symposium Reception	CCC Mile High Ballroom Foyer
	Sponsored by  VCA	

Large Animal Internal Medicine Specialty Symposium*		
Time	Session Title • Speaker	Room
8:00–8:10 am	Large Animal Internal Medicine Specialty President Welcome • <i>L. Couetil</i>	CCC 403/404
8:10–9:40 am	Methods in Teaching Clinical Reasoning • <i>A. Warren</i>	
	BREAK	
10:00–10:50 am	Evaluation of Interventions to Improve the Health of Working and Food Animals • <i>A. Stringer</i>	CCC 403/404
11:00–11:50 am	Insights Gained for Large Animal Referral Veterinarians from an Evidence-Based Study of Equine Practitioner Expectations • <i>C. Best</i>	
12:00–1:20 pm	Specialty of Large Animal Internal Medicine Luncheon and Diplomate Certificate Ceremony	CCC 108
1:30–3:15 pm	ACVIM Candidate Function: Exploring Options for Post Residency Careers: Opportunities for Resident to Become Clinician Scientists: NIH Does Support Large Animal Research Fellows! • <i>J. Elfenbein</i> ◆ What the NIH is Looking for in Veterinary Trained Clinician Scientists • <i>F. Grieder</i> ◆ Panel Discussion on Current Opportunities for Fellowship Support • <i>J. Elfenbein, F. Grieder, D. McFarlane, C. Swiderski</i>	CCC 210/212
1:30–3:15 pm	Specialty of Large Animal Internal Medicine Business Meeting	CCC 403/404
	BREAK	
3:45–4:25 pm	* SOTA: Overview of Pathophysiology and Pharmacology of Pain • <i>J. Coetzee</i>	CCC 403/404
4:25–5:10 pm	* SOTA: Cross-species Techniques in Large Animal Pain Assessment for Clinical and Research Activities • <i>J. Coetzee</i>	
5:00–7:00 pm	Specialty Symposium Reception	CCC Mile High Ballroom Foyer
	Sponsored by  VCA	







WEDNESDAY, JUNE 8




Neurology Specialty Symposium*		
Time	Session Title • Speaker	Room
8:00-8:10 am	Neurology Specialty President Welcome • <i>C. Vite</i>	CCC 401/402
8:10-9:00 am	◆ * SOTA: Molecular Profiling in Neuro-Oncology: A Prelude to Precision Medicine for Brain Tumors • <i>M. Gilbert</i> <i>Sponsored by</i> 	
9:00-9:50 am	◆ Collaborative Research for Rare Cancers: The Ependymoma Story • <i>M. Gilbert</i> <i>Sponsored by</i> 	
	BREAK <i>Sponsored by</i> 	
10:05 am-12:00 pm	Roundtable: Diagnosis and Treatment of Lumbosacral Stenosis • <i>R. Bagley, S. DeDecker, N. Jeffery</i> <i>Sponsored by</i> 	CCC 401/402
12:00-1:30 pm	Specialty of Neurology Luncheon and Diplomate Certificate Ceremony	CCC 102/104
1:30-2:20 pm	Results of 2015 Neurology Diplomate Survey: Terminology • <i>R. Bagley</i> <i>Sponsored by</i> 	CCC 401/402
2:30-3:20 pm	Exploiting Proteases and their Inhibitors as Targets for the Treatment of Canine Intracranial Tumors • <i>J. Rossmeisl, Jr.</i> <i>Sponsored by</i> 	CCC 401/402
	BREAK <i>Sponsored by</i> 	
3:30-5:00 pm	ACVIM Candidate Function: MRI Principles and Pulse Sequence Selection for Neuroimaging • <i>D. Cissell</i> <i>Sponsored by</i> 	CCC Mile High Ballroom 1A
3:30-5:00 pm	Specialty of Neurology Business Meeting	CCC 401/402
5:00-7:00 pm	Specialty Symposium Reception <i>Sponsored by</i> 	CCC Mile High Ballroom Foyer

Oncology Specialty Symposium*		
Time	Session Title • Speaker	Room
8:00-8:15 am	Oncology Specialty President Welcome • <i>J. Bryan</i> <i>Sponsored by</i> 	CCC 201
8:15-9:05 am	Companion Animals in Comparative Oncology: One Medicine in Action • <i>O. Garden</i> <i>Sponsored by</i> 	
	◆ From Theory to Therapeutic: Drug Development Basics for the Clinical Scientist • <i>L. Rhodes</i> <i>Sponsored by</i> 	
	BREAK <i>Sponsored by</i> 	
10:00-10:55 am	* SOTA: Short and Long-Term Chemotherapy Toxicities and Associated Follow-Up • <i>A. Agrawal</i> <i>Sponsored by</i> 	CCC 201
10:55-11:45 am	* SOTA: Navigating Shared Decision Making: Perspectives from Pediatric Oncology and Palliative Care • <i>A. Agrawal</i> <i>Sponsored by</i> 	



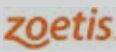


WEDNESDAY, JUNE 8


Oncology Specialty Symposium* (continued)		
Time	Session Title • Speaker	Room
12:00–1:30 pm	Specialty of Oncology Business Meeting and Candidate/Diplomate Luncheon <i>Sponsored by</i> 	CCC 107/109
1:45–2:35 pm	Chemotherapy for Lymphoma: Have we Become Complacent? • <i>C. Souza</i> <i>Sponsored by</i> 	CCC 201
2:35–3:15 pm	Just Because We Can Doesn't Mean We Should • <i>C. Henry</i> <i>Sponsored by</i> 	
	BREAK <i>Sponsored by</i> 	
3:30–5:15 pm	ACVIM Candidate Function: Fundamental and Clinical Applications of Chemotherapy • <i>M. Kiselow</i> <i>Sponsored by</i> 	CCC 201
5:00–7:00 pm	Specialty Symposium Reception <i>Sponsored by</i> 	CCC Mile High Ballroom Foyer

Small Animal Internal Medicine (SAIM) Specialty Symposium*			
Time	Track	Session Title • Speaker	Room
8:00–8:10 am		Small Animal Internal Medicine Specialty President Welcome • <i>W. Morrison</i>	CCC 205/207
8:15–9:05 am	IM	 Interventional Endoscopy: Just Because We Can Does That Mean We Should? • <i>A. Berent</i>	
8:15–9:05 am	ECC	Understanding Sepsis: When Is it Time for a Paradigm Shift • <i>A. DeClue</i>	CCC 203
8:15–8:40 am	ERC	Improving the Residency Training Program: Physiology Redux • <i>R. Washabau</i>	CCC 405
8:40–9:05 am	ERC	Alternative Residency Training Programs: Competency-Based Resident Education • <i>J. Palerme</i>	
9:05–9:55 am	IM	 Interventional Radiology: Lessons Learned in the Last 15 Years of Discovery • <i>C. Weisse</i>	CCC 205/207
9:05–9:55 am	ECC	Current Concepts and Future Directions in Sepsis Management • <i>A. DeClue</i>	CCC 203
9:05–9:55 am	ERC	Career Opportunities and Considerations Post-residency: Panel Discussion • <i>S. Bechtel, A. Corrigan</i>	CCC 405
		BREAK	
10:15–11:05 am	IM	 * SOTA: Endourology: Past, Present and Future: The Translation of Animals to Humans • <i>K. Healy</i>	CCC 205/207
10:15–11:05 am	ECC	Vasopressor Use in Small Animal Critical Care Medicine • <i>M. Pashmakova</i>	CCC 203
10:15–10:40 am	ERC	◆ Scientific Publishing 101 • <i>K. Hinchcliff</i>	CCC 405
10:40–11:05 am	ERC	◆ Case Series vs. Population Cohort Studies • <i>J. Sargeant</i>	
11:05–11:30 am	ERC	◆ Understanding the Case Control Study Design • <i>A. O'Connor</i>	

SAIM TRACKS: IM=Interventional Medicine ECC=Emergency Critical Care ERC=Educational, Research & Communication

WEDNESDAY, JUNE 8


Small Animal Internal Medicine (SAIM) Specialty Symposium* (continued)			
Time	Session Type	Session Title • Speaker	Room
11:05-11:55 am	IM	👤 Complications: Lessons in Humility • <i>A. Berent, K. Healy, C. Weisse</i>	CCC 205/207
11:05-11:55 am	ECC	Principles of Fluid Therapy in Hyperosmolar Hyperglycemic Syndrome • <i>G. Heffner</i>	CCC 203
11:30-11:55 am	ERC	◆ Panel Discussion: Scientific Study Design and Publication • <i>K. Hinchcliff, J. Sargeant, A. O'Connor</i>	CCC 405
12:30-1:30 pm	Specialty of Small Animal Internal Medicine Luncheon: Changing the Landscape of Lyme Disease Prevention • <i>R. Goldstein</i> <i>Sponsored by </i>		CCC Four Seasons Ballroom 4
1:30-2:20 pm	IM	👤 What Would the Human Doctor Do Now? Bad Cases and our Best and Worst Decisions • <i>A. Berent, K. Healy, C. Weisse</i>	CCC 205/207
1:30-2:20 pm	ECC	GI Tract in Critical Illness • <i>T. Hill</i>	CCC 203
1:30-2:20 pm	ERC	Humor as a Teaching Tool/Self-Directed Learning • <i>A. Cook, S. Lyon</i>	CCC 405
BREAK			
2:30-4:20 pm	ACVIM Candidate Function	👤 GI Endoscopy: 100 Years of Experience in 75 Minutes • <i>M. Willard, D. Twedt, A. Jergens, S. Marks</i> 👤 Laparoscopy for Internists • <i>D. Twedt</i>	CCC 205/207
2:40-4:20 pm	Business Meeting	Specialty of Small Business Internal Medicine Business Meeting	CCC 405
4:30-5:20 pm	SAIM New Diplomate Ceremony and Reception <i>Sponsored by </i>		CCC Four Seasons Ballroom 4
5:00-7:00 pm	Specialty Symposium Reception <i>Sponsored by </i>		CCC Mile High Ballroom Foyer

Technician			
Time	Session Type	Session Title • Speaker	Room
12:00-12:20 pm	Case Report	Hypertrophic Cardiomyopathy in Cats, The Silent Killer • <i>J. Rauscher</i>	CCC 111/113 <i>Sponsored by </i>
12:20-12:40 pm	Case Report	Canine Systemic Blastomycosis • <i>C. Schwake</i>	
12:40-1:00 pm	Case Report	Canine Anemia: Narrowing Differentials with Peripheral Blood Smear • <i>J. Donatelli</i>	
1:00-1:20 pm	Case Report	Retained Maxillary Tooth Discovered in the Nasal Cavity of a Dog • <i>S. Lookman</i>	
1:20-1:40 pm	Case Report	Sepsis in a Neonatal Cria • <i>M. English</i>	
1:40-2:00 pm	Case Report	Capsule Endoscopy and Melena • <i>M. Byard</i>	
2:00-2:20 pm	Case Report	Hypernatremia from Accidental Ingestion of a Science Project • <i>C. Waxman</i>	
BREAK			
2:35-2:55 pm	Case Report	Hypercoagulation: A Factor to Consider • <i>K. Bennett</i>	CCC 111/113 <i>Sponsored by </i>
2:55-3:15 pm	Case Report	Babesiosis: The Overlooked Vector-Borne Disease • <i>J. DeFulio</i>	
3:15-3:35 pm	Case Report	Helping Bruce: A Case of Chemotherapy-induced Neutropenia with Sepsis • <i>C. McLuckie</i>	

SAIM TRACKS: IM=Interventional Medicine ECC=Emergency Critical Care ERC=Educational, Research & Communication



WEDNESDAY, JUNE 8

Technician <i>(continued)</i>			
Time	Session Type	Session Title • Speaker	Room
3:35-3:55 pm	Case Report	Feline Disseminated Coccidioidomycosis • <i>J. Nocito</i>	CCC 111/113 Sponsored by 
3:55-4:15 pm	Case Report	Heartworm Extraction in a Dog with Caval Syndrome: Fiasco's Story • <i>J. West</i>	
4:15-4:35 pm	Case Report	Pleural Effusion and Hypercoagulability Secondary to Hypoalbuminemia • <i>A. Kujacznski</i>	
4:35-4:55 pm	Case Report	Treatment of an Alpaca with Facial Neuropathy with Parenteral Nutrition • <i>A. Cox</i>	



American College of **Veterinary** Internal Medicine

Foundation

ACVIM Foundation Live Auction

FRIDAY, JUNE 10TH - 7PM, HYATT REGENCY, 3RD FLOOR LOBBY

Don't miss the fast paced, fun live auction reception immediately following the Hill's Big Bash

First 50 people will receive a drink ticket and a chance to win Live Auction vouchers to be used in the bidding

Special Thanks to our Event Sponsor:



All proceeds help advance research and education for veterinary specialty medicine.

THURSDAY, JUNE 9

Time	Event	Room
6:30-8:30 am	LAIM Credentials Committee Meeting	Hyatt Mineral Hall A
6:30-8:30 am	SAIM Credentials Committee Meeting	Hyatt Limestone
6:30 am-9:30 pm	Educational Sessions	See pages 29-35
7:00 am-7:00 pm	Registration Desk	CCC F Lobby
7:00 am-7:00 pm	BlackwellKing Candidate Lounge <i>Sponsored by</i> 	CCC F Lobby
7:00 am-7:00 pm 9:30 am-5:00 pm	Cyber Cafés <i>Powered by</i> 	CCC F Lobby CCC Exhibit Hall F - booth #633
7:00 am-7:00 pm	Speaker Ready Room	CCC 301
7:00 am-7:00 pm	VCA Diplomat Lounge <i>Sponsored by</i> 	CCC F Lobby
7:30-8:00 am	Moderator Training - Research Abstracts	CCC 201
7:30-8:45 am	LAIM Resident Chat	CCC 101
7:45 am-6:30 pm	Childcare*	Hyatt Agate AB
8:00-8:30 am	Moderator Training - Scientific Sessions	CCC 201
8:00-9:00 am	ACVIM Foundation Development Committee Meeting	Hyatt Sandstone
8:00 am-9:30 pm	Technician Sessions	See pages 35-36
9:00 am-6:30 pm	Research Abstract Oral Presentations	See pages 36-44
9:30 am-5:00 pm	Exhibit Hall and Poster Presentations	CCC Exhibit Hall F
9:50-10:30 am	Refreshment Break	CCC Exhibit Hall F
10:00-11:00 am	<p>Animal Survivor Event</p> <p>Animal Survivor features stories of amazing animals who have overcome the odds because of extraordinary teamwork between Board-certified specialists, primary care practitioners and animal owners. Join emcee Paula Haddock, host of Channel 2's Colorado's Best, along with one of our amazing survivors, and see how these stories of caring and commitment have made a huge difference to these animals.</p> <p><i>Sponsored by</i>  </p>	CCC Exhibit Hall F Entrance
12:30-2:00 pm	LAIM Executive Committee Meeting	CCC 202
12:30-2:00 pm	<p>Membership Luncheon and Awards Ceremony*</p> <p>ACVIM Diplomates and candidates are invited to celebrate this year's award winners for the ACVIM Foundation Distinguished Service Award, the Robert W. Kirk Award for Professional Excellence and the ACVIM Distinguished Service Award, who will be announced during the awards ceremony. Connect with fellow Diplomates, get an update on ACVIM news and developments and find out what is planned for the future.</p>	CCC Four Seasons Ballroom 3/4
1:00-2:00 pm	Friends of Dr. Bob and Bill W. Meeting	CCC 101
3:00-6:30 pm	CapeCod Veterinary Specialists Meet and Greet	Hyatt Granite A
4:00-4:25 pm	Refreshment Break	CCC Exhibit Hall F
5:00-6:30 pm	VetSOAP Referral Dynamics Reception	Mile High Ballroom Foyer
5:00-6:30 pm	University of Georgia Alumni (UGA) Reception	OFFSITE
6:00-7:30 pm	Exhibit Hall and Poster Presentations	CCC Exhibit Hall F




SCIENTIFIC & INTERACTIVE SESSIONS


THURSDAY, JUNE 9

Time	Event	Room
6:00-7:30 pm	<p>Wine and Cheese Reception and Poster Viewing</p> <p>The reception and poster viewing offer a great opportunity to view research abstracts on display as poster presentations. Take advantage of this occasion to meet the authors, enjoy wine and cheese and socialize with other Forum attendees.</p> <p style="text-align: right;"><i>Sponsored by</i>  PRO PLAN[®] VETERINARY DIETS</p>	CCC Exhibit Hall F
7:00-9:00 pm	AMC Alumni Reception	Hyatt Capitol Ballroom 3
7:30-8:30 pm	Blue Pearl Veterinary Partners Team Reception	Hyatt Centennial Ballroom A
7:30-10:00 pm	<p>Cardiology Specialty Reception*</p> <p style="text-align: right;"><i>Sponsored by</i>  Boehringer Ingelheim  IDEXX</p>	OFFSITE

Business Management

Time	Session Type	Session Title • Speaker	Room
8:00 am-12:00 pm	Workshop	(IS40) A Workshop on Systematic Reviews and Meta-Analysis for Clinicians* • <i>A. O'Connor, J. Sargeant</i>	CCC 210/212
BREAK - EXHIBIT HALL OPEN			
2:10-3:00 pm	Comp. Review	Leading Through Adversity: Connecting With Your Team • <i>B. Lefbom</i> <i>Sponsored by</i>  CareCredit[™] <small>Making care possible...today.</small>	CCC Mile High Ballroom 1B
3:10-4:00 pm	Comp. Review	Battling Burnout: Keeping the Flame Alive • <i>B. Lefbom</i> <i>Sponsored by</i>  CareCredit[™] <small>Making care possible...today.</small>	
4:00-4:25 pm	Toolkit	Marketing Toolkit: Promoting Your Practice	Exhibit Hall F Knowledge Corner
BREAK - EXHIBIT HALL OPEN			
4:25-5:15 pm	Comp. Review	The Profitability of Co-Managed Care: Partnering with the Primary Care Team • <i>B. Lefbom</i> <i>Sponsored by</i>  CareCredit[™] <small>Making care possible...today.</small>	CCC Mile High Ballroom 1B
5:25-6:15 pm	Comp. Review	Veterinary Referral Dynamics and Behaviors: Findings of the VetSOAP White Paper • <i>B. Lefbom, S. Willis</i> <i>Sponsored by</i>  CareCredit[™] <small>Making care possible...today.</small>	
7:30-8:30 pm	Workshop	(IS60) Is Training Veterinary Students Still Feasible in Today's Tertiary Care Veterinary Teaching Hospitals?* • <i>J. Taboada, S. Marks</i>	CCC 107/109
7:30-9:30 pm	Workshop	(IS112) I Have Patience for My Patients but my Clients are Driving Me Crazy: Core Communication Skills to the Rescue* • <i>L. Garrett, R. Chun</i>	CCC 102/104
7:30-9:30 pm	Case Discussion	(IS70) Diarrhea, Vomiting, Weight Loss: This Patient is Driving Me Crazy* • <i>M. Willard</i>	CCC 106
7:30-9:30 pm	SIG	(IS95) Updates in Critical Care* • <i>E. Rozanski, R. Hanel, A. deLaforcade</i>	CCC Mile High Ballroom 1E

THURSDAY, JUNE 9

Cardiology			
Time	Session Type	Session Title • Speaker	Room
8:00-10:00 am	Case Discussion	(IS30) Emergency Room EKGs in the Small Animal: Interpretation and Management* • <i>C. Atkins, M. Ames</i>	CCC Mile High Ballroom 4EF
9:00-9:50 am	Comp. Review	EPIC Trial Results • <i>A. Boswood, S. Gordon, J. Haggstrom</i>	CCC 405
BREAK - EXHIBIT HALL OPEN			
10:30 am-12:30 pm	SIG	(IS42) Equine/Cardiology: Equine Blood Pressure Awareness Campaign/ Novel Medical Treatment Options of Atrial Fibrillation in Horses • <i>C. Navas de Solis, R. Buhl</i> Electrophysiological Background of Cardiac Repolarization and Development of Fatal Arrhythmias in Horses • <i>D. Trachsel</i>	CCC Mile High Ballroom 2B/3B
10:30-11:20 am	Comp. Review	Evaluation of Pimobendan in Dogs with Cardiomegaly Caused by Preclinical Mitral Valve Disease: EPIC Trial Discussion • <i>A. Boswood, S. Gordon, J. Haggstrom</i>	CCC 405
11:30 am-12:20 pm	Comp. Review	Computed Tomography to Assess the Brachycephalic Airway • <i>B. Scansen</i>	CCC 405
BREAK - EXHIBIT HALL OPEN			
2:10-3:00 pm	Comp. Review	Pulmonary Hypertension: Review and Update • <i>H. Kellihan</i>	CCC 405
3:10-4:00 pm	Comp. Review	Pulmonary Thromboembolism • <i>E. Cote</i>	CCC 405
BREAK - EXHIBIT HALL OPEN			
4:25-5:15 pm	Comp. Review	The Importance of Body Size and Composition in Small Animal Heart Disease • <i>L. Freeman</i> <i>Sponsored by</i> 	CCC 405
5:25-6:15 pm	Comp. Review	Top 10 Nutrition Tips for Cats with Heart Disease • <i>L. Freeman</i>	CCC 405

Equine			
Time	Session Type	Session Title • Speaker	Room
6:30-8:30 am	Breakfast with the Experts	(IS10) Diagnostic and Medical Management of Equine Asthma (IAD/RAO)* • <i>L. Couetil, M. Mazan</i> <i>(Additional fees apply.)</i>	Hyatt Mineral Hall B
9:00-9:50 am	Comp. Review	WALTHAM Collaborative Research Into Equine Laminitis and Obesity • <i>P. Harris</i>	CCC 401/402
9:00-9:50 am	VCRS	Gene Therapy in Lung Disease • <i>A. Gruntman</i>	CCC Mile High Ballroom 1D
BREAK - EXHIBIT HALL OPEN			
10:30-11:20 am	Comp. Review	A Role for Somatostatin in Insulin Dysregulation? • <i>N. Frank</i>	CCC 401/402
10:30-11:20 am	VCRS	Aeroallergens Involved in RAO Pathogenesis • <i>L. Couetil</i>	CCC Mile High Ballroom 1D
10:30 am-12:30 pm	SIG	(IS42) Equine/Cardiology: Equine Blood Pressure Awareness Campaign/ Novel Medical Treatment Options of Atrial Fibrillation in Horses • <i>C. Navas de Solis, R. Buhl</i> Electrophysiological Background of Cardiac Repolarization and Development of Fatal Arrhythmias in Horses • <i>D. Trachsel</i>	CCC Mile High Ballroom 2B/3B
11:30-11:55 am	VCRS	Presence of Streptococcus in the Lower Airways • <i>S. Hansen</i>	CCC Mile High Ballroom 1D
11:55 am-12:20 pm	VCRS	How to Get the Most from your BAL Samples • <i>J. Fjeldborg</i>	CCC Mile High Ballroom 1D
11:30 am-12:20 pm	Comp. Review	Changing Concepts of Hyperglycemia, Hyperlactatemia and Hypertriglyceridemia • <i>B. Dunkel</i>	CCC 401/402
BREAK - EXHIBIT HALL OPEN			





THURSDAY, JUNE 9

Equine <i>(continued)</i>			
Time	Session Type	Session Title • Speaker	Room
2:10–3:00 pm	Comp. Review	Skin Tumors: Standard Treatments and Emerging Therapies • <i>K. Estell</i>	CCC 401/402
3:10–4:00 pm	Comp. Review	Treatment of Equine Neoplasia: What are the Options, and What is the Evidence? • <i>I. Johns</i>	
BREAK - EXHIBIT HALL OPEN			
4:25–5:15 pm	Comp. Review	Equine Lymphoproliferative Disease • <i>A. Frimberger</i>	CCC 401/402
5:25–6:15 pm	Comp. Review	Electroporation in Oncology: Clinical Applications and Future Perspectives in Equine Medicine • <i>E. Spugnini</i>	
BREAK - WINE AND CHEESE RECEPTION AND POSTER VIEWING			
7:30–9:30 pm	SIG	(IS90) Equine Endocrinology* • <i>F. Bertin, M. Mallicote</i> Sponsored by Boehringer Ingelheim	CCC 111/113

Food Animal			
Time	Session Type	Session Title • Speaker	Room
9:00–9:50 am	Comp. Review	Current Status of Anthelmintic Resistance in Gastrointestinal Nematodes of Cattle • <i>R. Kaplan</i>	CCC 205/207
9:00–9:50 am	Comp. Review	The Strong Ion and Total Electrolyte (Stewart) Approach to Acid Base • <i>A. Schoster</i>	CCC 106
BREAK - EXHIBIT HALL OPEN			
10:30–11:20 am	Comp. Review	Current Recommendations for Effective and Sustainable Control of Parasites in Cattle • <i>R. Kaplan</i>	CCC 205/207
10:30–11:20 am	Comp. Review	Update on Fluid Resuscitation in Calves with Diarrhea • <i>G. Smith</i>	CCC 106
11:30 am–12:20 pm	Comp. Review	The Science Behind Alternative Endoparasite Control Strategies For Small Ruminants • <i>L. Williamson</i>	CCC 205/207
11:30 am–12:20 pm	Comp. Review	Fluid Therapy in Adult Cattle • <i>G. Smith</i>	CCC 106
BREAK - EXHIBIT HALL OPEN			
2:10–3:00 pm	Comp. Review	What Do We Know About the Microbiome and Resistome in Cattle Production Systems? • <i>P. Morley</i>	CCC Mile High Ballroom 1C
3:10–4:00 pm	Comp. Review	Epidemiology of <i>Mycoplasma bovis</i> in Cattle • <i>J. House</i>	
BREAK - EXHIBIT HALL OPEN			
4:25–5:15 pm	Comp. Review	Multiomic Approaches to Study Host Pathogen Interactions • <i>P. Plummer</i>	CCC Mile High Ballroom 1C
5:25–6:15 pm	Comp. Review	Beyond the Central Dogma of Molecular Biology in Bacterial Pathogens • <i>P. Plummer</i>	
BREAK - WINE AND CHEESE RECEPTION AND POSTER VIEWING			
7:30–9:30 pm	Workshop	(IS113) ACVIM LAIM Credentials and Case Report Session • <i>C. Finno, S. Taylor</i>	CCC Mile High Ballroom 1C
7:30–9:30 pm	SIG	(IS85) FAIM • <i>C. Luby</i> Sponsored by Bayer	CCC 103/105

THURSDAY, JUNE 9

Neurology			
Time	Session Type	Session Title • Speaker	Room
2:10–3:00 pm	Research Report	(2:10 pm) Surgery and Vaccine-Based Immunotherapy for Canine Glioma • <i>G. Pluhar</i> (2:35 pm) MicroRNAs MIR-21 and MIR-181C in Cerebrospinal Fluid and Serum in Canine Meningoencephalomyelitis of Unknown Origin • <i>L. Gaitero</i>	CCC 403/404
3:10–4:00 pm	Research Report	(3:10 pm) C-Reactive Protein in the Diagnosis of Discospondylitis • <i>W. Bush</i> (3:35 pm) Do Dogs Spinal Walk? Electrophysiologic Characterization of Long Tract Integrity in Canine Spinal Cord Injury • <i>M. Lewis</i>	
BREAK - EXHIBIT HALL OPEN			
4:25–5:15 pm	Research Report	(4:25) Does a Th17 Skewed Immune Response in Steroid-Responsive Meningitis-Arteritis Exist? • <i>A. Tipold</i> (4:50) Imepitoin: Field Observations • <i>A. Tipold</i>	CCC 403/404
5:25–6:15 pm	Research Report	(5:25) Does a Panel of CSF Biomarkers Enhance the Prognostic Value in Canine Spinal Cord Injury? • <i>V. Stein</i> (5:50) Hope for Treating Krabbe Disease • <i>C. Vite</i>	
BREAK - WINE AND CHEESE RECEPTION AND POSTER VIEWING			
7:30–9:30 pm	Workshop	(IS110) Neuropathology Online Tutorial for Neurology Residents: How Far Can I Go? • <i>K. Matiasek</i>	CCC Mile High Ballroom 1F





Oncology			
Time	Session Type	Session Title • Speaker	Room
6:30–8:30 am	Breakfast with the Experts	(IS20) Progress and Pitfalls: Differentiating IBD vs. Lymphoma in Cats* • <i>A. Jergens, C. Johannes</i> <i>(Additional fees apply.)</i>	Hyatt Mineral Hall D
9:00–9:50 am	Comp. Review	◆ Perspective on Drug Development on the Comparative Oncology Clinical Trials Consortium • <i>N. Dybdal</i>	CCC 201
BREAK - EXHIBIT HALL OPEN			
10:30–11:20 am	Comp. Review	📡 New Therapeutics Impacting Oncology Practice • <i>C. Johannes</i> <i>Sponsored by</i> 	CCC 201
11:30 am–12:20 pm	Comp. Review	The Delivery of Precision Medicine in Veterinary Oncology • <i>C. Khanna</i>	
BREAK - EXHIBIT HALL OPEN			
2:10–3:00 pm	Comp. Review	👤 Electroporation in Oncology: Clinical Applications and Future Perspectives • <i>E. Spugnini</i>	CCC 205/207
3:10–4:00 pm	Comp. Review	👤 Electrochemotherapy for Private Practice • <i>C. Tripp</i>	
BREAK - EXHIBIT HALL OPEN			
4:25–5:15 pm	Comp. Review	👤 Chemotherapy Safety and Administration • <i>K. Albin</i>	CCC 205/207
5:25–6:15 pm	Comp. Review	👤 Cancer Virotherapy: Review of Literature for Companion Animals • <i>S. Kapil</i>	
BREAK - WINE AND CHEESE RECEPTION AND POSTER VIEWING			
7:30–8:30 pm	Case Discussion	(IS50) Opening the Cell Membrane-Insertion of Cancer Vaccines, Chemotherapy to help Domestic Animals and Chemotherapy Safety in the Clinic? • <i>J. Impellizeri</i> <i>Sponsored by</i> 	CCC 210/212
7:30–8:30 pm	SIG	(IS55) Immunotherapy of Osteosarcoma • <i>N. Mason</i>	CCC Mile High Ballroom 1D



SCIENTIFIC & INTERACTIVE SESSIONS

THURSDAY, JUNE 9

One Medicine			
Time	Session Type	Session Title • Speaker	Room
5:25-6:15 pm	Comp. Review	Interprofessional Education and One Health Initiatives: What is the Difference and Why Should We Recognize This? • <i>A. Estrada</i>	CCC Mile High Ballroom 2C




Small Animal Internal Medicine (SAIM)			
Time	Session Type	Session Title • Speaker	Room
6:30-8:30 am	Breakfast with the Experts	(IS15) Current Concepts in Seizure Management of Dogs and Cats: A Case-Based Discussion* • <i>M. Podell, K. Munana</i> <i>(Additional fees apply.)</i>	Hyatt Mineral Hall C
6:30-8:30 am	Breakfast with the Experts	(IS25) Case-Based Approach to Canine Chronic Bronchitis* • <i>B. McKiernan, L. Johnson</i> <i>(Additional fees apply.)</i>	Hyatt Mineral Hall E
6:30-8:30 am	Commercial Presentation	(IS121) Commercial Presentation: SDMA in Practice: Impact on Diagnosis, Staging and Management of CKD* • <i>J. Robertson</i> <i>(Breakfast included.)</i> <i>Sponsored by</i> 	Hyatt Capitol Ballroom 5
6:30-8:30 am	Commercial Presentation	(IS118) Monthly Injectable Therapies for Chronic Dog and Cat Pain: Latest Clinical Data and Discussion • <i>D. Lascelles</i> <i>(Breakfast included.)</i> <i>Sponsored by</i> 	Hyatt Capitol Ballroom 4
8:00-10:00 am	Case Discussion	(IS30) Emergency Room EKGs in the Small Animal: Interpretation and Management* • <i>C. Atkins, M. Ames</i>	CCC Mile High Ballroom 4EF
8:00 am-12:00 pm	Workshop	(IS35) Tracheal and Urethral Stenting: From Theory to Clinical Practice* • <i>A. Berent, C. Weisse, A. Radhakrishnan</i> <i>(Additional fees apply.)</i> <i>Sponsored by</i> 	CCC 206
9:00-9:50 am	CGS	Fecal Microbiota Transplantation in Humans: Indications, Methodologies, Mechanisms and Outlook • <i>C. Kelly</i>	CCC Mile High Ballroom 2A/3A
9:00-9:50 am	Comp. Review	 Cachexia and Sarcopenia in Small Animals • <i>L. Freeman</i> <i>Sponsored by</i> 	CCC Mile High Ballroom 4ABCD
BREAK - EXHIBIT HALL OPEN			
10:30-11:20 am	CAPC	The Genus Rickettsia: Review and Update • <i>D. Bowman, E. Breitschwerdt</i>	CCC 203
10:30-11:20 am	CGS	Fecal Microbiota Transplantation in Veterinary Medicine: From Bench to Cage Side • <i>S. Marks, J. Weese</i>	CCC Mile High Ballroom 2A/3A
10:30-11:20 am	Comp. Review	 Abolishing Anorexia: the Physiology of Appetite Regulation and Use of Ghrelin Receptor Agonists • <i>J. Allen, A. Cook</i> <i>Sponsored by</i> 	CCC Mile High Ballroom 4ABCD
11:30 am-12:20 pm	CAPC	The Genus Bartonella: Review and Update • <i>D. Bowman, E. Breitschwerdt</i>	CCC 203
11:30 am-12:20 pm	CGS	Role of Helminths in Intestinal Immune Regulation • <i>M. Ince</i>	CCC Mile High Ballroom 2A/3A
11:30 am-12:20 pm	Comp. Review	 Feeding the Finicky Feline • <i>J. Quimby</i> <i>Sponsored by</i> 	CCC Mile High Ballroom 4ABCD
12:30-1:10 pm	Lunch & Learn	Canine and Feline Cystoscopy...“How to Advance Diagnostic and Therapeutic Endeavors” • <i>A. Berent</i> <i>Sponsored by</i> 	Exhibit Hall F - Knowledge Corner

THURSDAY, JUNE 9

Small Animal Internal Medicine (SAIM) <i>(continued)</i>			
Time	Session Type	Session Title • Speaker	Room
1:15-1:55 pm	Lunch & Learn	A Less Popular Inflammatory Pathway • <i>A. VanGels</i> <i>Sponsored by</i> 	Exhibit Hall F - Knowledge Corner
BREAK - EXHIBIT HALL OPEN			
2:10-3:00 pm	AAVN/ACVN	The Science of Microbiomics • <i>L. Mansfield</i>	CCC Mile High Ballroom 1A
2:10-3:00 pm	ACVCP/AAVPT	Choosing the Best Antiepileptic Drug • <i>H. Barnes Heller</i>	CCC Mile High Ballroom 2B/3B
2:10-3:00 pm	ASVCP	How Flow Cytometry is Expanding our Understanding of Leukemia • <i>P. Avery</i>	CCC 201
2:10-3:00 pm	ASVNU	(2:10 pm) What is the Role of Protein Restriction in Feline CKD? Perspective: Internist • <i>D. Polzin</i> (2:35 pm) Should Protein Always be Restricted in Feline CKD? • <i>M. Scherk</i>	CCC Mile High Ballroom 2A/3A
2:10-3:00 pm	AVHTM	(2:10 pm) Transfusion of Aged Packed RBCs: The Negatives of Old Blood • <i>S. Smith</i> (2:35 pm) Storage of Packed RBCs: Best Use of Available Resources • <i>C. Sharp</i>	CCC Mile High Ballroom 4E
2:10-3:00 pm	SOTA	* The Promise of -omic Technologies • <i>J. Galinkin</i>	CCC Mile High Ballroom 4ABCD
3:10-4:00 pm	AAVN/ACVN	Microbiomics in Veterinary Medicine • <i>L. Mansfield</i>	CCC Mile High Ballroom 1A
3:10-4:00 pm	ACVCP/AAVPT	Choosing Appropriate Acid Suppressant Therapy • <i>S. Marks</i>	CCC Mile High Ballroom 2B/3B
3:10-4:00 pm	ASVCP	Common Conundrums in Cytologic Analysis • <i>C. Olver</i>	CCC 201
3:10-4:00 pm	ASVNU	(3:10 pm) What is the Role of Protein Restriction in Feline CKD? Perspective: Nutritionist • <i>V. Parker</i> (3:35 pm) Panel Discussion: What is the Role of Protein Restriction in Feline CKD? • <i>V. Parker, D. Polzin, M. Scherk</i>	CCC Mile High Ballroom 2A/3A
3:10-4:00 pm	AVHTM	(3:10 pm) Leukoreduction: Potential Advantages for the Transfusion Recipient • <i>S. Smith</i> (3:35 pm) Leukoreduction: Disadvantages from the Perspective of the Blood Bank • <i>A. Hale</i>	CCC Mile High Ballroom 4E
3:10-4:00 pm	SOTA	* Pharmacogenomics • <i>J. Galinkin</i>	CCC Mile High Ballroom 4ABCD
BREAK - EXHIBIT HALL OPEN			
4:25-5:15 pm	AAVN/ACVN	The Premiumization of Dog Foods: What's Real and What's Not? • <i>L. Weeth</i>	CCC Mile High Ballroom 1A
4:25-5:15 pm	ACVCP/AAVPT	Evidence-Based Approach to Insulin Therapy in Dogs and Cats • <i>M. Clark</i>	CCC Mile High Ballroom 2B/3B
4:25-5:15 pm	ASVCP	Application and Utility of Multiplex Immunocytochemistry for Diagnostic Cytology • <i>K. Santangelo</i>	CCC 201
4:25-5:15 pm	ASVNU	(4:25 pm) Utilization of Feeding Tubes in the Management of CKD • <i>S. Ross</i> (4:50 pm) Understanding the Limitations of Phosphate Binders • <i>M. Wood</i>	CCC Mile High Ballroom 2A/3A
4:25-5:15 pm	AVHTM	(4:25 pm) The Case for Anticoagulant Therapy in Canine IMHA • <i>R. Hanel</i> (4:50 pm) The Case for Antiplatelet Agents in Canine IMHA • <i>K. Lunsford</i>	CCC Mile High Ballroom 4E




THURSDAY, JUNE 9

Small Animal Internal Medicine (SAIM) <i>(continued)</i>			
Time	Session Type	Session Title • Speaker	Room
4:25-5:15 pm	Comp. Review	Individualized Medicine: The Canine Patient • <i>K. Mealey</i>	CCC Mile High Ballroom 4ABCD
5:25-6:15 pm	AAVN/ACVN	Handling Nontraditional Dietary Requests • <i>L. Weeth</i>	CCC Mile High Ballroom 1A
5:25-6:15 pm	ACVCP/AAVPT	Choosing Among Available NSAIDs • <i>D. Lascelles</i> <i>Sponsored by</i> 	CCC Mile High Ballroom 2B/3B
5:25-6:15 pm	ASVCP	Real Time Cytology Evaluation: Consultations with a Pathologist • <i>C. Olver</i>	CCC 201
5:25-6:15 pm	ASVNU	(5:25 pm) Microanatomy of Feline Nephrolithiasis • <i>J. Lulich</i> (5:50 pm) Treatment of Feline Ureteral Obstruction: Subcutaneous Ureteral Bypasses vs Stents • <i>A. Berent</i>	CCC Mile High Ballroom 2A/3A
5:25-6:15 pm	AVHTM	(5:25 pm) Antifibrinolytic Agents as Treatment for Bleeding • <i>B. Brainard</i> (5:50 pm) The Adverse Effects of Antifibrinolytic Therapy • <i>D. LeVine</i>	CCC Mile High Ballroom 4E
5:25-6:15 pm	Comp. Review	Individualized Medicine: The Feline Patient • <i>K. Mealey</i>	CCC Mile High Ballroom 4ABCD
6:30-8:30 pm	Case Discussion	(IS45) Calcium Disorders in the Dog and Cat: A Case-Based Approach to Diagnosis and Treatment • <i>D. Chew, J. de Brito Galvao</i>	CCC Mile High Ballroom 1A
6:30-8:30 pm	Case Discussion	(IS48) Glomerular Disease: Clinical and Pathologic Insights* • <i>J. Foster, R. Cianciolo</i>	CCC 201
BREAK - WINE AND CHEESE RECEPTION AND POSTER VIEWING			
7:30-9:30 pm	Case Discussion	(IS75) Antibody Therapy: The Next Horizon in Canine Atopic Dermatitis • <i>P. Bergman, L. Stokking</i> <i>Sponsored by</i> 	CCC 108
7:30-9:30 pm	Case Discussion	(IS80) Tox Talk! Treatment Options for Common Household Toxicities • <i>L. Hughston, B. Bean</i> <i>Sponsored by</i> 	CCC Mile High Ballroom 1B
7:30-9:30 pm	Workshop	(IS100) Introduction to Small Animal Laparoscopy: Lecture and Dry Lab* • <i>D. Twedt, C. Webb</i>	CCC 206
7:30-9:30 pm	Workshop	(IS105) Workshop: Indications and Techniques for Upper/Lower GI Endoscopy in the Dog and Cat • <i>A. Jergens</i>	CCC 401/402

Technician			
Time	Session Type	Session Title • Speaker	Room
8:00-10:00 am	Neurology Workshop	Neurology for the VTS: An Interactive Workshop • <i>S. Gilliam, J. Nettifee, C. Reese, C. Weaver, J. Weber, E. Wright</i>	CCC 107/109
8:00-8:50 am	Cardiology	A Review of Chagas Disease for Veterinary Technicians • <i>E. Durham, Jr.</i>	CCC 111/113
8:00-8:50 am	Equine	Technician's Role in Equine Sports Medicine • <i>E. Van Erck</i>	CCC 102/104
9:00-9:50 am	Cardiology	Diagnostic Approach to the Asymptomatic Cat with a Heart Murmur • <i>W. Rausch</i>	CCC 111/113
9:00-9:50 am	Equine	Update on Equine Endocrine Disease • <i>J. Sojka Kritchevsky</i>	CCC 102/104
BREAK - EXHIBIT HALL OPEN			
10:30-11:20 am	Cardiology	Challenging Canine and Feline ECGs: An Advanced Course for Veterinary Technicians • <i>W. Rausch</i>	CCC 111/113
10:30-11:20 am	Equine	Technical Tips for Treadmill Training of Horses • <i>A. Firshman</i>	CCC 102/104
11:30 am-12:20 pm	Cardiology	Pacemakers in Small Animal Medicine • <i>E. Durham, Jr.</i>	CCC 111/113

THURSDAY, JUNE 9

Technician <i>(continued)</i>			
Time	Session Type	Session Title • Speaker	Room
11:30 am-12:20 pm	Equine	Nutritional Support for Hospitalized Horses • <i>I. Johns</i>	CCC 102/104
12:30-2:00 pm	Luncheon	"Happy, Fit, Healthy: How to Get More of your Clients' Pets to a Happy Weight*" • <i>K. Burns</i> <i>Sponsored by</i> 	CCC 108
2:10-3:00 pm	Oncology	Cancer Cachexia: Pathophysiology and Treatment in Dogs and Cats • <i>K. Burns</i>	CCC 203
2:10-3:00 pm	SAIM	Quality of Life in Dogs and Cats: How to Measure it and Why it Matters • <i>L. Freeman</i>	CCC 111/113
3:10-4:00 pm	Oncology	Using Nuclear Medicine to Diagnose and Treat Cancer in Cats and Dogs • <i>K. Selting</i>	CCC 203
3:10-4:00 pm	SAIM	Beating the Bugs: How Veterinary Technicians Prevent Hospital Acquired Infections • <i>D. Spann</i>	CCC 111/113
BREAK - EXHIBIT HALL OPEN			
4:25-5:15 pm	Oncology	Top Tips for Managing Canine and Feline Cancer Patients in your Practice • <i>S. Ettinger</i>	CCC 203
4:25-5:15 pm	SAIM	Tricks of the Trade: How to be an Exceptional Technician • <i>A. Oliver</i>	CCC 111/113
5:25-6:15 pm	Oncology	Electrochemotherapy in Horses, Dogs and Cats • <i>C Tripp</i>	CCC 203
5:25-6:15 pm	SAIM	Commonly Encountered Errors in Collecting and Reporting Laboratory Tests • <i>J. Palerme</i>	CCC 111/113
BREAK - WINE AND CHEESE RECEPTION AND POSTER VIEWING			
7:30-9:30 pm	SAIM Workshop	Achieving VTS-Internal Medicine, Cardiology, Neurology, Oncology or Nutrition • <i>L. Merrill</i>	CCC 203

Research Abstracts - Oral Presentations

Cardiology

Time	Session Title • Speaker	Room
9:00-9:15 am	◆ C01: Sinus Rate Approximation with VVI, VVIR, and VDD in Dogs with Third Degree Atrioventricular Block • <i>B. Eason</i>	CCC Mile High Ballroom 2C
9:15-9:30 am	◆ C02: Validation of a Method for Quantitation of Clopidogrel and Clopidogrel Active Metabolite in Feline Plasma • <i>J. Lyngby</i>	
9:30-9:45 am	◆ C03: Efficacy of Bronchial Stenting in Dogs With Myxomatous Mitral Valve Disease and Bronchial Collapse • <i>D. Ozer</i>	
9:45-10:00 am	◆ C04: Study of Echocardiographic Variability in Estimating Pulmonary Artery Pressure and Pulmonary Vascular Resistance in Dogs • <i>J.D. Rhinehart</i>	
BREAK - EXHIBIT HALL OPEN		
10:30-10:45 am	◆ C05: Changes in NT-PROBNP Associated with Treatment and Survival Time in Cats with Congestive Heart Failure • <i>K. Roderick</i>	CCC Mile High Ballroom 2C
10:45-11:00 am	◆ C06: Right Ventricular Outflow Tract Obstruction and Coronary Anatomy in French and English Bulldogs with PS • <i>C. Smith</i>	
11:00-11:15 am	◆ C07: Cardiac Function and Metabolic Parameters in Obese Dogs • <i>M. Tropf</i>	
11:15-11:30 am	C08: Comparison of Furosemide Infusion Diluted with 2.4% Hypertonic Saline Vs. Dextrose 5% in Water (D5W) • <i>D. Adin</i>	



THURSDAY, JUNE 9

Research Abstracts - Oral Presentations		
Cardiology <i>(continued)</i>		
Time	Session Title • Speaker	Room
11:30-11:45 am	C09: Medical Management and Survival Time Associated with Congestive Heart Failure Stage D: A Retrospective Study • <i>A. Beaumier</i>	CCC Mile High Ballroom 2C
11:45 am-12:00 pm	C10: MRI 7T Resonance Spectroscopy (MRS) Predicts Cardiac Energetic Reserves in Dogs with Preclinical Mitral Insufficiency • <i>A. Ray Dillon</i>	
12:00-12:15 pm	C11: Immunohistochemical Study of the Pro-Natriuretic Peptide Convertase Corin in Severe Canine Myxomatous Mitral Valve Disease • <i>C. Lam</i>	
12:15-12:30 pm	C12: Anatomic Regurgitant Orifice Area Using 3D-Echocardiography in Dogs with Myxomatous Mitral Valve Disease • <i>G. Menciotti</i>	
BREAK - EXHIBIT HALL OPEN		
2:15-2:30 pm	C13: Analysis of Mitral Valve Morphology with Real-Time 3-Dimensional Echocardiography in Dogs Undergoing Mitral Valve Repair • <i>T. Mizuno</i>	CCC Mile High Ballroom 2C
2:30-2:45 pm	C14: Low-Density Lipoprotein Oxidation Is Breed and Gender Dependent in Dogs with Myxomatous Mitral Valve Disease • <i>L. Olsen</i>	
2:45-3:00 pm	C15: Cardiac Output Measured By Echocardiography and Cardiac-Gated Computed Tomography Compared to Thermodilution • <i>N. LeBlanc</i>	
3:00-3:15 pm	C16: Angiotensin Converting Enzyme Activity and Response to Enalapril in Dogs with an Ace Gene Polymorphism • <i>K. Meurs</i>	
3:15-3:30 pm	C17: Angiotensin Converting Enzyme Activity in Cavalier King Charles Spaniels with an Ace Gene Polymorphism • <i>K. Meurs</i>	
3:30-3:45 pm	C18: Prevalence of <i>Dirofilaria immitis</i> Antigen in Client-Owned Pet Dogs Before and After Serum Heat Treatment • <i>L. Nafe</i>	
3:45-4:00 pm	C19: Cardiac Biomarkers Troponin I and N-Terminal Pro-B-Type Natriuretic Peptide in Canine Chronic Kidney Disease Patients • <i>L. Pelander</i>	
BREAK - EXHIBIT HALL OPEN		
4:30-4:45 pm	C20: Establishing Normal 24 Hour Holter Monitor Values in Healthy Puppies • <i>R. Tracey</i>	CCC Mile High Ballroom 2C
4:45-5:00 pm	C21: Distribution of Alveolar-Interstitial Syndrome in Dyspneic Veterinary Patients Assessed By Lung Ultrasound Versus Thoracic Radiographs • <i>J. Ward</i>	

Equine		
Time	Session Title • Speaker	Room
9:00-9:15 am	◆ E01: Pulmonary Disposition and Pharmacokinetics of Oral Minocycline in the Adult Horse • <i>K. Echeverria</i>	CCC Mile High Ballroom 1F
9:15-9:30 am	E02: Intravenous Administration of Cobalt Chloride Is Associated with Hemodynamic Alterations in Horses • <i>T. Burns</i>	
9:30-9:45 am	E03: The Pharmacokinetics of Intravenous Gentamicin in Healthy Young-Adult Versus Geriatric Horses • <i>A. Gestrich</i>	
9:45-10:00 am	◆ E04: Endotoxin-Induced MicroRNA Expression in Equine Peripheral Blood Mononuclear Cells • <i>N. Parkinson</i>	
BREAK - EXHIBIT HALL OPEN		
10:30-10:45 am	E05: Severe Equine Asthma (Heaves) Is Associated with an Increased Number of Circulating Low-Density Granulocytes • <i>N. Herteman</i>	CCC Mile High Ballroom 1F
10:45-11:00 am	E06: Can Levamisole Upregulate the Equine Cell-Mediated Immune Response In Vitro? • <i>A. Santonastaso</i>	

THURSDAY, JUNE 9

Research Abstracts - Oral Presentations		
Equine <i>(continued)</i>		
Time	Session Title • Speaker	Room
11:00-11:15 am	E07: Novel Pharmacological Treatment Regimes in Equine Atrial Fibrillation • <i>H. Carstensen</i>	CCC Mile High Ballroom 1F
11:15-11:30 am	E08: Can Exercising Electrocardiography Predict Performance in Young Standardbred Horses at the Start of Training? • <i>L. Frelstedt</i>	
11:30-11:45 am	E09: Is ECG in Horses Only for Dysrhythmia Diagnosis? Introducing a New Method for 12-Lead ECG • <i>E. Hesselkilde</i>	
11:45 am-12:00 pm	E10: Humoral Hypercalcemia of Malignancy in Horses: A Retrospective Study (2010-2015) • <i>K. Hepworth-Warren</i>	
12:00-12:15 pm	◆ E11: Development of a Technique for Determination of Pulmonary Artery Pulse Wave Velocity in Horses • <i>G. Silva</i>	
12:15-12:30 pm	E12: Repeated Measurements of Autonomic Tone Markers Over a Training Season in Eventing and Endurance Horses • <i>O. Lorello</i>	
12:30-12:45 pm	◆ E35: Normal Ultrasonographic Pleural Thickness in Clinically Healthy Adult Horses • <i>B. Sheahan</i>	
BREAK - EXHIBIT HALL OPEN		
2:15-2:30 pm	E13: Epidemiological Characteristics of Horses with Hyperinsulinemia in a Large Population of Horses • <i>S. Grubbs</i>	CCC Mile High Ballroom 1F
2:30-2:45 pm	E14: Management of Early PPID in Horses • <i>S. Grubbs</i>	
2:45-3:00 pm	E15: Development of an Octreotide Response Test for Detection of Insulin Dysregulation in Horses • <i>N. Frank</i>	
3:00-3:15 pm	E16: Insulin and Incretin Hormone Concentrations in Horses During an Oral Sugar Test and Pasture Challenge • <i>N. Frank</i>	
3:15-3:30 pm	E17: Association of Androgens and Pregnanes Response to ACTH Stimulation with Adrenal Dysfunction in Hospitalized Foals • <i>K. Dembek</i>	
3:30-3:45 pm	E18: Association of Oxytocin and Neurosteroids with Neonatal Maladjustment Syndrome (NMS) in Hospitalized Foals • <i>K. Dembek</i>	
3:45-4:00 pm	E19: Identification of Genetic Loci Underlying Equine Metabolic Syndrome and Laminitis Risk in Welsh Ponies • <i>E. Norton</i>	
BREAK - EXHIBIT HALL OPEN		
4:30-4:45 pm	E20: The Fibroblast Growth Factor-23/Klotho Axis in Healthy and Hospitalized Foals • <i>R. Toribio</i>	CCC Mile High Ballroom 1F
4:45-5:00 pm	◆ E21: Effect of RRR-Alpha-Tocopherol Formulation on Serum and CSF Alpha-Tocopherol Concentrations in Vitamin E Deficient Horses • <i>J. Brown</i>	
5:00-5:15 pm	◆ E22: Differential Gene Expression in Equine Subcutaneous and Internal Adipose Depots • <i>A. Kemper</i>	
5:15-5:30 pm	◆ E23: Effects of a Commercial Anionic Supplement on Urinary Acidification in Horses • <i>E. Nelson</i>	
5:30-5:45 pm	E24: Effects of Abrupt Concentrate Increase and Prebiotic Supplementation on Equine Cecal pH and Lactate • <i>K. Williamson</i>	
5:45-6:00 pm	E25: Effects of a Supplement (Alfa-Lox Forage®) on Equine Gastric Ulcer Scores and Gastric Juice pH • <i>F. Andrews</i>	
6:00-6:15 pm	E26: Changes of the Equine Neonatal Intestinal Microbiota Associated with Age and Diarrhea • <i>A. Schoster</i>	
6:15-6:30 pm	◆ E27: Comparison of Tube, Gel, and Immunochromatographic Strip Methods for Evaluation of Equine Blood Transfusion Compatibility • <i>D. Luethy</i>	



THURSDAY, JUNE 9

Research Abstracts - Oral Presentations		
Food Animal		
Time	Session Title • Speaker	Room
9:00-9:15 am	◆ F01: Prevalence of Coagulase-Negative <i>Staphylococci</i> Species in Intramammary Infection in Dairy Goats • <i>V. Bernier Gosselin</i>	CCC Mile High Ballroom 1C
9:15-9:30 am	F02: Assessment of an Antimicrobial-Use Algorithm for Treatment of Diarrhea in Dairy Calves • <i>D. Gomez</i>	
9:30-9:45 am	F03: Prevalence of Bovine Coronavirus in Feces of Healthy and Diarrheic Calves • <i>D. Gomez</i>	
9:45-10:00 am	F04: Use of an Alivecor Heart Monitor for Heart Rate and Rhythm Evaluation in Domestic Goats • <i>J. Smith</i>	
BREAK - EXHIBIT HALL OPEN		
10:30-10:45 am	◆ F05: Left Displacement of the Abomasum in Four Beef Calves • <i>R. Oman</i>	CCC Mile High Ballroom 1C
10:45-11:00 am	◆ F06: Apparent Efficiency of Colostral Immunoglobulin Absorption in Holstein Heifers • <i>J. Halleran</i>	
11:00-11:15 am	F07: Concentrations of Chlortetracycline in Fetal Tissues Following Oral Administration in the Ewe • <i>K. Washburn</i>	
11:15-11:30 am	◆ F08: Hyperketonemia As a Tool to Predict Mortality in Dairy Goat During Last Month of Pregnancy • <i>V. Dore</i>	
11:30-11:45 am	F09: Efficacy and Pharmacokinetics of Intravenous Famotidine in Adult Cattle • <i>C. Balcomb</i>	
11:45 am-12:00 pm	F10: The Pharmacokinetics of Intravenous Gentamicin in Healthy Young-Adult Versus Aged Alpacas • <i>A. Gestrich</i>	
12:00-12:15 pm	◆ F11: Prognosis Associated with Cerebrospinal Fluid Analysis Results in Recumbent Dairy Cattle: Retrospective Study (2006-2014) • <i>M. Bilodeau</i>	

Neurology		
Time	Session Title • Speaker	Room
9:00-9:15 am	◆ N01: Kinematic Magnetic Resonance Imaging for Evaluation of Disc-Associated Cervical Spondylomyelopathy in Doberman Pinschers • <i>M. Provencher</i>	CCC 403/404
9:15-9:30 am	◆ N02: 3D Magnetic Resonance Imaging of the Dog Spine in Hansen Type I Intervertebral Disk Disease • <i>M. Carpentier-Anderson</i>	
9:30-9:45 am	◆ N03: Clinical Characteristics of Dogs with Progressive Myelomalacia Following Acute Intervertebral Disc Herniation • <i>A. Castej</i>	
9:45-10:00 am	◆ N04: In Vitro Anti-Tubulin Effects of Benzimidazole Anthelmintics Mebendazole and Fenbendazole on Canine Glioblastoma Cells • <i>S. Lai</i>	
BREAK - EXHIBIT HALL OPEN		
10:30-10:45 am	◆ N05: Subarachnoid-Subarachnoid Shunting for Treatment of Subarachnoid Cerebrospinal Fluid Flow Obstruction in 9 Dogs • <i>I. Meren</i>	CCC 403/404
10:45-11:00 am	◆ N06: 11-Dehydro Thromboxane B2 As a Biomarker for Intracranial Neoplasia in Dogs • <i>J. Rivera</i>	
11:00-11:15 am	◆ N07: Lumbar Fractalkine and M2 Microglia Increase Throughout Disease Progression in Canine Degenerative Myelopathy • <i>C. Sibigtroth</i>	
11:15-11:30 am	◆ N08: Increased Phosphorylated Neurofilament Heavy in Cerebrospinal Fluid As a Disease Marker of Canine Degenerative Myelopathy • <i>C. Sibigtroth</i>	
11:30-11:45 am	◆ N09: Etiology of Feline Juvenile Onset Seizures • <i>M. Qahwash</i>	
11:45 am-12:00 pm	N10: Comparison of Serum Trace Nutrient Concentration in Dogs with Primary Genetic Epilepsy Versus Healthy Dogs • <i>S. Vitale</i>	

THURSDAY, JUNE 9

Research Abstracts - Oral Presentations		
Neurology <i>(continued)</i>		
Time	Session Title • Speaker	Room
12:00-12:15 pm	N11: Lactate As a Prognostic Factor in Dogs and Cats with Head Trauma: 93 Cases (2003-2014) • <i>D. Hague</i>	CCC 403/404
12:15-12:30 pm	N12: Comparison of Fecal Microbiomes Between Dogs with Meningoencephalomyelitis of Unknown Origin and Controls • <i>N. Jeffery</i>	

Oncology		
Time	Session Title • Speaker	Room
9:00-9:15 am	O01: The Association of Endothelin-1 Signaling with Bone Alkaline Phosphatase Expression and Pro-tumorigenic Activities in Canine Osteosarcoma (<i>VCS Award Winner</i>) • <i>Z. Neuman</i>	CCC Mile High Ballroom 1B
9:15-9:30 am	O02: Safety Evaluation of Combination Doxorubicin and Toceranib Phosphate (Palladia) in Tumor Bearing Dogs: a Phase I Dose Finding Study (<i>VCS Award Winner</i>) • <i>M. Pellin</i>	
9:30-9:45 am	♦ O03: Comparison of Serum Cytokine Levels Between Dogs with Multicentric Lymphoma and Healthy Dogs • <i>J. Calvalido</i>	
9:45-10:00 am	♦ O04: Post-Chemotherapy Perforation in Cats with a Diagnosis of Intermediate or High Grade Gastrointestinal Lymphoma • <i>Z. Crouse</i>	
BREAK - EXHIBIT HALL OPEN		
10:30-10:45 am	♦ O05: A Retrospective Study on the Incidence of Proteinuria Associated with the Use of Toceranib Phosphate • <i>S. Piscoya</i>	CCC Mile High Ballroom 1B
10:45-11:00 am	O06: Growth Pathways in Feline Oral Squamous Cell Carcinoma • <i>K. Harris</i>	
11:00-11:15 am	O07: A Retrospective Analysis of Multimodality Treatment for Canine Oral Melanoma: 126 Cases • <i>M. Turek</i>	
11:15-11:30 am	O08: Enhancement of Doxorubicin Effectiveness When Combined with Salinomycin in FISS Cell Lines • <i>L. Borlle</i>	
11:30-11:45 am	O09: Clinical Advancement of a RNA-Transfected CD40-B Cell Vaccine for the Treatment of Canine Non-Hodgkin's Lymphoma • <i>M. MaloneyHuss</i>	
11:45 am-12:00 pm	O10: Vitamin D Status and Acute Phase Protein Concentrations in Canine Cancer Patients • <i>N. Weidner</i>	
12:00-12:15 pm	O11: Retrospective Evaluation of Metronomic Cyclophosphamide in Epithelial and Mesenchymal Malignant Tumours • <i>J. Ellis</i>	

Small Animal Internal Medicine (SAIM) - Endocrinology		
Time	Session Title • Speaker	Room
2:15-2:30 pm	EN01: Glucose Homeostasis Deteriorates More Rapidly with Age in Burmese Cats Compared to Non-Burmese • <i>N. Lopes</i>	CCC Mile High Ballroom 1E
2:30-2:45 pm	EN02: Perturbations in Serum Fructosamine Level in Diabetic Hyperthyroid Cats - A Retrospective Study • <i>A. Gal</i>	
2:45-3:00 pm	♦ EN03: Pharmacodynamic and Pharmacokinetic Properties of Insulin Aspart Following Subcutaneous and Intramuscular Injection in Cats • <i>H. Pipe-Martin</i>	
3:00-3:15 pm	♦ EN04: The Effect of Tetra-Hydroxylated Bile Acid on Adipocyte Size and Insulin Sensitivity in Healthy Cats • <i>I. Rast</i>	
3:15-3:30 pm	EN05: The Effect of Adiposity and Diet on Secretion of Incretin Hormones in Cats • <i>C. Gilor</i>	
3:30-3:45 pm	EN06: Breed, Coat Colour and Hair Length As Risk Factors for Feline Hyperthyroidism • <i>V. Crossley</i>	



THURSDAY, JUNE 9

Research Abstracts – Oral Presentations		
Small Animal Internal Medicine (SAIM) – Endocrinology <i>(continued)</i>		
Time	Session Title • Speaker	Room
3:45–4:00 pm	EN07: Does a Limited Iodine Diet Affect the Response to Radioactive Iodine Therapy in Hyperthyroid Cats? • <i>A. Rowland</i>	CCC Mile High Ballroom 1E
BREAK - EXHIBIT HALL OPEN		
4:30–4:45 pm	◆ EN08: Effects of Levothyroxine Administration and withdrawal on the Hypothalamic-Pituitary-Thyroid Axis in Euthyroid Dogs • <i>V. Ziglioli</i>	CCC Mile High Ballroom 1E
4:45–5:00 pm	EN09: Variability of P450sc Autoantibody Persistence in Dogs Affected with Hypoadrenocorticism • <i>A. Boag</i>	
5:00–5:15 pm	EN10: Juvenile Hypoadrenocorticism in the Nova Scotia Duck Tolling Retriever: A Recessive Monogenic Autoimmune Disease • <i>E. Brown</i>	
5:15–5:30 pm	EN11: Variability in Post ACTH Stimulation Serum Cortisol Following Administration of Cortisone Acetate in Healthy Dogs • <i>A. Gal</i>	
5:30–5:45 pm	EN12: Ionized Hypercalcemia in Cats: Etiologies and Associated Clinical Signs • <i>M. Sayyid</i>	

Small Animal Internal Medicine (SAIM) – Gastroenterology		
Time	Session Title • Speaker	Room
2:15–2:30 pm	◆ GI01: Serum Pancreatic Lipase Immunoreactivity Concentrations in Dogs with Gastrointestinal Foreign Bodies • <i>L. Cochran</i>	CCC Mile High Ballroom 3C
2:30–2:45 pm	◆ GI02: Serum Pancreatic Lipase Immunoreactivity Concentrations After Chronic Administration of Supraphysiologic Doses of Glucocorticoids to Dogs • <i>S. Cocker</i>	
2:45–3:00 pm	GI03: Serum IL-2, IL-6, IL-8, and TNF- α Concentrations in Dogs with Increased Serum Spec CPL Sup [®] Concentrations • <i>A. Buono</i>	
3:00–3:15 pm	GI04: Fishhook Foreign Bodies in Dogs and Cats: 107 Cases (2004-2015) • <i>M. Bishop</i>	
3:15–3:30 pm	◆ GI05: Perturbations of the Intestinal Microbiota and Bile Acid Metabolism in Dogs with Diabetes Mellitus • <i>A. Redfern-Allen</i>	
3:30–3:45 pm	GI06: Variation of the Microbiome and Metabolome Along the Canine Gastrointestinal Tract • <i>J.B. Honneffer</i>	
3:45–4:00 pm	GI07: Effects of Hydrolyzed Protein and Metronidazole on the Fecal Microbiome and Metabolome in Healthy Dogs • <i>J. Suchodolski</i>	
BREAK - EXHIBIT HALL OPEN		
4:30–4:45 pm	GI08: Altered Fecal Bile Acid Metabolism in Dogs with Chronic Enteropathy • <i>B. Guard</i>	CCC Mile High Ballroom 3C
4:45–5:00 pm	GI09: Altered Fecal Sterol Profiles in Dogs with Chronic Inflammatory Enteropathy • <i>J.B. Honneffer</i>	
5:00–5:15 pm	GI10: The Fecal Microbiome of Dogs with Exocrine Pancreatic Insufficiency • <i>J. Suchodolski</i>	
5:15–5:30 pm	GI11: Effect of Weight Loss and Diet on Fecal Microbiota and Fecal Metabolomics in Cats • <i>A. Rudinsky</i>	
5:30–5:45 pm	GI12: Probiotic Mixture Vsl#3 Increases Beneficial Fecal and Mucosal Microbiota in Canine Inflammatory Bowel Disease • <i>A. Jergens</i>	
5:45–6:00 pm	GI13: Changes in Intestinal Macrophage Populations Following Clinical Resolution in Dogs with Chronic Enteropathy • <i>J. Dandrieux</i>	
6:00–6:15 pm	◆ GI14: Histopathologic Characteristics of Intestinal Biopsies From Dogs with Chronic Enteropathy with and without Hypoalbuminemia • <i>S. Wennogle</i>	

THURSDAY, JUNE 9

Research Abstracts - Oral Presentations

Small Animal Internal Medicine (SAIM) - Hematology

Time	Session Title • Speaker	Room
9:00-9:15 am	◆ HM01: Reproducibility, Stability and Biological Variability of Thrombin Generation Using Calibrated Automated Thrombography in Healthy Dogs • <i>B. Cuq</i>	CCC Mile High Ballroom 1E
9:15-9:30 am	◆ HM02: Development and Validation of a Novel Canine Immune Thrombocytopenia Bleeding Score • <i>K. Makielski</i>	
9:30-9:45 am	◆ HM03: Effects of Aspirin Dose Escalation on Canine Platelet Function and Urinary Thromboxane and Prostacyclin Levels • <i>N. McLewee</i>	
9:45-10:00 am	HM04: B Cell Activating Factor As a Biomarker in Dogs with Primary Immune Mediated Thrombocytopenia • <i>J. Pritchard</i>	
BREAK - EXHIBIT HALL OPEN		
10:30-10:45 am	◆ HM05: Comparison of Multiplate, Platelet Function Analyzer-200, and Plateletworks in Dogs Treated with Aspirin and Clopidogrel • <i>S. Saati</i>	CCC Mile High Ballroom 1E
10:45-11:00 am	HM06: Evaluation of the Risk of Relapse of Canine Immune-Mediated Thrombocytopenia After Routine Vaccination • <i>J. Ellis</i>	
11:00-11:15 am	HM07: Predicting In Vivo Response to Low-Dose Aspirin in Healthy Dogs Using In Vitro Platelet Aggregometry • <i>R. Hegedus</i>	
11:15-11:30 am	HM08: Retrospective Evaluation of Anemia and Erythrocyte Morphology in Dogs with Lymphoma and Inflammatory Bowel Disease • <i>C. Parachini-Winter</i>	
11:30-11:45 am	HM09: An In-Vitro Assessment of Canine to Feline Red Blood Cell Xenotransfusion • <i>M. Wilkinson</i>	
11:45 am-12:00 pm	◆ HM10: Characterization of the Immunophenotype of Dogs with Immune-Mediated Hemolytic Anemia • <i>J. Swann</i>	
12:00-12:15 pm	◆ HM11: A Retrospective Study on Use of Leflunomide in Dogs with Immune Mediated Diseases • <i>M. Sato</i>	
12:15-12:30 pm	◆ HM12: Effects of Leukoreduction and Storage on Eicosanoid Concentrations in Units of Canine Packed Red Cells • <i>S. Muro</i>	

Small Animal Internal Medicine (SAIM) - Infectious Disease

Time	Session Title • Speaker	Room
2:15-2:30 pm	ID01: Evidence for Genetic Predisposition to <i>Borrelia burgdorferi</i> Infection in Purpose Bred Beagles • <i>E. Contreras</i>	CCC Mile High Ballroom 1D
2:30-2:45 pm	ID02: Rapid Diagnosis of <i>Babesia gibsoni</i> Using Point-of-Care Insulated Isothermic Polymerase Chain Reaction Assay • <i>K. Cooke</i>	
2:45-3:00 pm	ID03: Prevention of <i>Borrelia burgdorferi</i> and <i>Anaplasma phagocytophilum</i> Transmission From Ixodes scapularis to Dogs By Sarolaner • <i>R. Six</i>	
3:00-3:15 pm	ID04: Molecular and Serological Analysis of Canine Vector Borne Disease Prevalence in Most Populated Serbian Area • <i>M. Kovacevic Filipovic</i>	
3:15-3:30 pm	ID05: Enhanced Serologic Surveillance to Detect Prevalence of Canine Vector-Borne Infections on St. Kitts, West Indies • <i>D. Scorpio</i>	
3:30-3:45 pm	ID06: Performance of Point-of-Care Assays for FELV and FIV • <i>J. Levy</i>	
3:45-4:00 pm	ID07: Does a Diva Test Exist for Differentiating FIV Infection From FIV Vaccination? • <i>C. Crawford</i>	
BREAK - EXHIBIT HALL OPEN		
4:30-4:45 pm	ID08: An Epidemiological Study of Gammaherpesviruses in Domestic Cats in Japan • <i>M. Tateno</i>	CCC Mile High Ballroom 1D



THURSDAY, JUNE 9

Research Abstracts – Oral Presentations		
Small Animal Internal Medicine (SAIM) – Infectious Disease <i>(continued)</i>		
Time	Session Title • Speaker	Room
4:45–5:00 pm	ID09: Canine Influenza H3N2 Infection in Four Dogs • <i>N. Reine-Salz</i>	CCC Mile High Ballroom 1D
5:00–5:15 pm	ID10: Demonstration of Protection Against Canine Influenza Virus H3N2 Infection Following Vaccination with Inactivated CIV H3N2 • <i>R. LaFleur</i>	
5:15–5:30 pm	ID11: Prevalence of Canine Infectious Respiratory Disease Complex Pathogens in Dogs in Georgia and North Carolina • <i>N. Reine-Salz</i>	
5:30–5:45 pm	ID12: Frequency, Benefits and Health Risks of Animals in Nursing Homes: Cross-Sectional Study of Ohio Facilities • <i>J. Stull</i>	
5:45–6:00 pm	ID13: Effect of Quorum Quenching with Azithromycin on <i>Pseudomonas aeruginosa</i> Associated Otitis Externa/Media in Dogs • <i>M. Vengust</i>	

Small Animal Internal Medicine (SAIM) – Nephrology/Urology		
Time	Session Title • Speaker	Room
9:00–9:15 am	◆ NU01: Longitudinal Evaluation of Serum Symmetric Dimethylarginine (SDMA) and Creatinine (SCR) in Dogs with Early CKD • <i>S. Guess</i>	CCC Mile High Ballroom 1A
9:15–9:30 am	NU02: SDMA Correlates Better with Creatinine Than High Throughput Immunoturbidometric Cystatin C Assay in Feline Serum • <i>J. Cross</i>	
9:30–9:45 am	◆ NU03: Fibroblast Growth Factor-23 in Canine Chronic Kidney Disease • <i>L. Harjes</i>	
9:45–10:00 am	◆ NU04: The Use of Darbepoetin Alfa to Stimulate Erythropoiesis in Dogs with Chronic Kidney Disease • <i>E. Hathaway Fiocchi</i>	
	BREAK – EXHIBIT HALL OPEN	
10:30–10:45 am	◆ NU05: Vitamin D - Binding Protein - Early Marker of Tubular Injury in Dogs with Chronic Kidney Disease • <i>F. Chacar</i>	CCC Mile High Ballroom 1A
10:45–11:00 am	◆ NU06: Assessment of Repeated Administration of a Feline FVRCP Vaccine As a Model for Interstitial Nephritis • <i>S. Summers</i>	
11:00–11:15 am	NU07: Comparison of Visual and Automated Interpretation of Urinary Dipsticks with Glucose: Creatinine Ratio and Glucose Concentration • <i>E. Behrend</i>	
11:15–11:30 am	NU08: Impact of Canine Pancreas-Specific Lipase on the Outcome of Dogs with Hemodialysis-Dependent Acute Kidney Injury • <i>K. Takada</i>	
11:30–11:45 am	NU09: Characterization of Subclinical Bacteriuria, Urinary Tract Infection, and Pyelonephritis in Dogs with Chronic Kidney Disease • <i>J. Foster</i>	
11:45 am–12:00 pm	◆ NU10: Initial Outcomes and Complications of the Subcutaneous Ureteral Bypass Procedure at Two University Hospitals (2012-2015) • <i>E. Wolff</i>	
12:00–12:15 pm	◆ NU11: Occult Urinary Tract Infection in Cats: Prevalence and Findings on Contemporaneous Urinalysis • <i>M. Puchot</i>	
12:15–12:30 pm	NU12: Diagnostic Performance of Urinary Canine Calgranulins in Dogs with Lower Urinary Tract Carcinoma • <i>R. Heilmann</i>	

THURSDAY, JUNE 9

Research Abstracts - Oral Presentations

Small Animal Internal Medicine (SAIM) - Nutrition/Metabolism

Time	Session Title • Speaker	Room
9:00-9:15 am	NM01: Effect of the Hyper-Immune Egg Yolk Supplementation on Weight Gain in Neonate Puppies • <i>H. Mila</i>	CCC Mile High Ballroom 3C
9:15-9:30 am	NM02: Effects of Dietary Medium Chain Triglycerides on Voluntary Activity in Dogs and Cats • <i>Y. Pan</i>	
9:30-9:45 am	NM03: Effects of Dietary Macronutrient Content and Feeding Pattern on Leptin Concentrations in Lean Healthy Cats • <i>D. Tarkosova</i>	
9:45-10:00 am	NM04: Effect of High Sodium Diet on Blood Pressure and Cardiac Function in Healthy Adult Dogs • <i>H. Xu</i>	

Small Animal Internal Medicine (SAIM) - Pharmacology

Time	Session Title • Speaker	Room
10:30-10:45 am	P01: Itraconazole Absorption From Proprietary and Compounded Formulations in Healthy Cats • <i>L. Fowler</i>	CCC Mile High Ballroom 3C
10:45-11:00 am	P02: Bioavailability of a Novel Formulation of S-Adenosylmethioine Given with Food in Beagle Dogs • <i>D. Griffin</i>	
11:00-11:15 am	P03: Posaconazole Pharmacokinetics in Cats After Oral and IV Administration • <i>D. Mawby</i>	
11:15-11:30 am	P04: Evaluation of Intravenous Mycophenolate Mofetil Use in Healthy Cats • <i>J.E. Slovak</i>	

Small Animal Internal Medicine (SAIM) - Respiratory

Time	Session Title • Speaker	Room
11:30-11:45 am	♦ R01: Comparison of Bronchoalveolar Lavage Techniques for Sampling Lower Airways in Cats • <i>K. Hooi</i>	CCC Mile High Ballroom 3C
11:45 am-12:00 pm	♦ R02: Characterization of the Feline Respiratory Microbiome • <i>A. Vientos-Plotts</i>	



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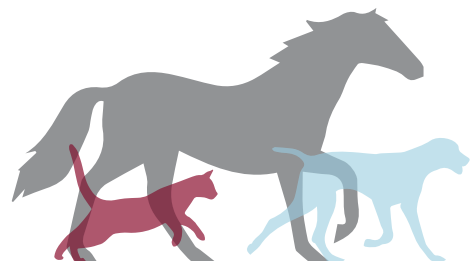
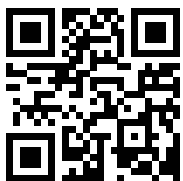
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FRIDAY, JUNE 10

Time	Event	Room
6:30–7:50 am	ACVIM Maintenance of Credentials Committee Meeting	Hyatt Sandstone
6:30 am–9:30 pm	Educational Sessions	See pages 49-56
7:00–7:30 am	Moderator Training – Research Abstracts	CCC 201
7:00–8:00 am	Forum Program Committee, Part II <i>(Allied/Affiliate/Technician Programs Only)</i>	CCC 101
7:00–8:30 am	Education and Research Committee (ERC) Meeting	Hyatt Limestone
7:00 am–7:00 pm	BlackwellKing Candidate Lounge <i>Sponsored by</i> 	CCC F Lobby
7:00 am–7:00 pm 9:30 am–5:00 pm	Cyber Cafés <i>Powered by</i> 	CCC F Lobby CCC Exhibit Hall F – booth #633
7:00 am–7:00 pm	Registration Desk	CCC F Lobby
7:00 am–7:00 pm	VCA Diplomate Lounge <i>Sponsored by</i> 	CCC F Lobby
7:00 am–7:00 pm	Speaker Ready Room	CCC 301
7:45 am–6:30 pm	Childcare*	Hyatt Agate AB
8:00 am–6:00 pm	Research Abstract Oral Presentations	See pages 57-59
8:00 am–6:15 pm	Technician Sessions	See pages 56-57
8:15–8:45 am	Moderator Training – Scientific Sessions	CCC 106
9:30 am–5:00 pm	Exhibit Hall and Poster Viewing	CCC Exhibit Hall F
9:50–10:30 am	Refreshment Break	CCC Exhibit Hall F
10:30–11:20 am	Keynote Address – The Killer Defense with Nobel Prize winning professor, Peter Doherty Join us as Dr. Peter C. Doherty, a world-famous Australian veterinarian and immunologist, and the only veterinarian to have received a Nobel Prize, delivers his unique perspective at the keynote address. Dr. Doherty was co-recipient with Rolf Zinkernagel of the 1996 Nobel Prize in Physiology or Medicine for their work in establishing the role of the Major Histocompatibility Complex in how T cells recognize virus infected cells. Their work laid the foundation for our understanding of how the immune system recognizes foreign antigens and the body's own cells. Dr. Doherty has authored six books, including <i>The Beginner's Guide to Winning the Nobel Prize</i> , <i>A Light History of Hot Air</i> , <i>Sentinel Chickens</i> and <i>The Knowledge Wars</i> . <i>Sponsored by</i> 	CCC Four Seasons Ballroom 3/4
11:45 am–1:00 pm	Meet and Greet with Professor Doherty <i>Sponsored by</i> 	Café near CCC Four Seasons Ballroom

FRIDAY, JUNE 10

Time	Event	Room
12:00-1:30 pm	Comparative Gastroenterology Society (CGS) Luncheon <i>Sponsored by</i> 	CCC 210/212
12:00-2:00 pm	ACVCP Annual Meeting	CCC 206
12:15-2:00 pm	ASVNU Lunch Meeting <i>Sponsored by</i> 	CCC 103/105
12:30-2:00 pm	Cummings School of Veterinary Medicine at Tufts University Alumni Luncheon	CCC 202
1:00-2:00 pm	Friends of Dr. Bob and Bill W. Meeting	CCC 101
2:00-2:50 pm	Java with the Experts (a student event)	CCC Exhibit Hall F Knowledge Corner
4:00-4:25 pm	Refreshment Break	CCC Exhibit Hall F
6:00-7:30 pm	The Big Bash As the conference comes to a conclusion, join ACVIM and Hill's Pet Nutrition to celebrate the last big night. Enjoy the entertainment, get a bite to eat and make sure to try the specialty drink. Stop in or stay for the entire event. <i>Sponsored by</i>  	Hyatt Centennial Ballroom
6:30-8:30 pm	UC Davis School of Veterinary Medicine Alumni Reception	Hyatt Peaks Lounge
6:30-9:30 pm	AVHTM: Annual Business Meeting and Scientific Presentations	Hyatt Granite AB
7:00-8:00 pm	ACVIM Foundation Live Auction Support research and education in your industry. Challenge your colleagues to a bidding war on an exclusive wine package, Maui Getaway, Yeti Cooler and Camping Package, and much more! Play a fast and furious game of heads or tails to win a GoPro Camera. The first 50 people to attend will receive a free drink ticket provided by Ethos Veterinary Health. So join us while we mix, mingle and bid high to support advancements in veterinary specialty medicine! <i>Sponsored by</i> 	Hyatt Centennial Ballroom Foyer
7:00-11:00 pm	Neurology Specialty Reception* <i>Sponsored by</i> 	OFFSITE



SCIENTIFIC & INTERACTIVE SESSIONS


FRIDAY, JUNE 10

Business Management			
Time	Session Type	Session Title • Speaker	Room
6:30-8:30 am	Commercial Presentation	(IS27) Blue Skies Ahead: Moving Your Practice to the Cloud* • <i>B. Nettles</i> <i>(Breakfast included.)</i> <i>Sponsored by IDEXX</i>	Hyatt Capitol Ballroom 5
10:00-10:25 am	Toolkit	Marketing Toolkit: Promoting Your Practice	Exhibit Hall F - Knowledge Corner
BREAK - KEYNOTE SPEAKER			
12:30-2:00 pm	Lunch & Learn	(IS198) Building a Win-Win-Win: Clients, pcDVM's and Specialists* • <i>K. Gavzer, J. Shaw</i> <i>Sponsored by CareCredit</i> <small>Making care possible...today.</small>	CCC 102/104
2:10-3:00 pm	Comp. Review	Financial Discussion: Differing Perspectives • <i>J. Shaw</i> <i>Sponsored by CareCredit</i> <small>Making care possible...today.</small>	CCC Mile High Ballroom 1E
3:10-4:00 pm	Comp. Review	Financial Discussion: Bridging Differences • <i>J. Shaw</i> <i>Sponsored by CareCredit</i> <small>Making care possible...today.</small>	
BREAK - EXHIBIT HALL OPEN			
4:25-5:15 pm	Comp. Review	Disclosing Medical Errors: Delivering the News • <i>J. Shaw</i> <i>Sponsored by CareCredit</i> <small>Making care possible...today.</small>	CCC Mile High Ballroom 1E
5:25-6:15 pm	Comp. Review	Disclosing Medical Errors: Rebuilding Trust • <i>J. Shaw</i> <i>Sponsored by CareCredit</i> <small>Making care possible...today.</small>	
BREAK - THE BIG BASH			
7:30-9:30 pm	Case Discussion	(IS145) Compounding Is Not a Four-Letter Word: Embracing a Team Approach To Veterinary Compounding • <i>C. Byers, D. Olson, L. Roasa</i>	CCC 201
7:30-9:30 PM	Workshop	(IS175) Practical Tips for Transitioning from Academia to Private Practice* • <i>K.Scott, W. Whitehouse</i>	CCC Mile High Ballroom 1D
7:30-9:30 PM	Workshop	(IS180) What to Say and When: Making for a Better Euthanasia Experience* • <i>S. Nguyen</i>	CCC Mile High Ballroom 1F

Cardiology			
Time	Track	Session Title • Speaker	Room
8:00-8:50 am	Comp. Review	Review of Cardiac Surgery in Dogs • <i>A. Pelosi</i>	CCC 405
9:00-9:50 am	SOTA	* Mitral Valve Repair: Human and Canine - The Same but Different • <i>S. Bolling</i>	
BREAK - KEYNOTE SPEAKER			
2:10-3:00 pm	SOTA	* 🩺 New Percutaneous Valve Therapy • <i>S. Bolling</i>	CCC 205/207
3:10-4:00 pm	Comp. Review	🩺 Emerging Interventions for Canine Degenerative Mitral Regurgitation • <i>C. Orton</i>	
3:10-4:00 pm	Research Report	(3:10 pm) Expression of Myocardial Remodeling Markers: Gender, Age and Cardiac Disease Associated Variations in Cats • <i>S. Fonfara</i> (3:35 pm) Echocardiographic Assessment of the Right Ventricle in Cats with Hypertrophic Cardiomyopathy • <i>L. Visser</i>	CCC 201
BREAK - EXHIBIT HALL OPEN			

FRIDAY, JUNE 10

Cardiology (continued)			
Time	Track	Session Title • Speaker	Room
4:25-5:15 pm	Research Report	(4:25 pm) Prediction of Left Ventricular Volumes From M-Mode Dimensions in the Dog • <i>E. de Madron</i> (4:50 pm) An Investigation of Ultra-Wideband Radar Technology to Evaluate Canine Heart Rate and Respiratory Rate • <i>A. Landis-Hanna</i>	CCC 201
4:25-5:15 pm	Comp. Review	📌 Research Update on MVD in Dogs • <i>L. Olsen</i>	CCC 205/207
5:25-6:15 pm	Research Report	(5:25 pm) High Sensitivity Cardiac Troponin in 60 Bulldogs With or Without PS and Aberrant Coronary Anatomy • <i>B. Scansen</i> (5:50 pm) Effects of a Small Molecule Modulator of Sarcomere Contractility in Cats with Hypertrophic Cardiomyopathy • <i>J. Stern</i>	CCC 201
5:25-6:15 pm	Comp. Review	📌 MicroRNAs: Novel Biomarkers and Therapeutic Targets in MVD • <i>B. Corcoran</i>	CCC 205/207
BREAK - THE BIG BASH			
7:30-9:30 pm	Case Discussion	(IS155) ECG Rounds* • <i>G. Rapoport, W. Rausch</i>	CCC 107/109

Equine			
Time	Track	Session Title • Speaker	Room
8:00-8:50 am	Comp. Review	Highlights of the 8th European College of Equine Internal Medicine Congress, Utrecht 2015 • <i>C. McGowan</i>	CCC Mile High Ballroom 1A
8:00-8:50 am	Comp. Review	📌 Treadmill Examination of Horses • <i>W. Bayly</i>	CCC 205/207
8:00-8:50 am	Research Report	(8:00 am) The Transcriptome of Sarcocystis neurona Infected Horses Demonstrates T-cell Mediated Immunopathogenesis with Cytokine Dysregulation • <i>M. Long</i> (8:25 am) Evaluation of Triaxial Accelerometers for Detection of Gait Deficits in Horses with Neurologic Disease • <i>Y. Nout-Lomas</i>	CCC Mile High Ballroom 1B
8:00-8:50 am	Research Report	(8:00 am) Misoprostol is Superior to Combined Omeprazole and Sucralfate for Healing Glandular Gastric Lesions in Horses • <i>G. Hollowell</i> (8:25 am) Experimental Model of Duodenitis Proximal-Jejunitis in Horses Inoculated with Clostridium difficile • <i>L. Arroyo</i>	CCC Mile High Ballroom 1C
9:00-9:50 am	Comp. Review	Dietary Management of Equine Metabolic Syndrome • <i>C. McGowan</i>	CCC Mile High Ballroom 1A
9:00-9:50 am	Comp. Review	📌 Endocrine Problems in the Equine Athlete • <i>J. Kritchevsky</i>	CCC 205/207
9:00-9:50 am	Research Report	(9:00 am) Immunogenicity and Efficacy of a Novel Vaccine Against Rhodococcus equi Pneumonia in Foals • <i>N. Cohen</i> (9:25 am) Tracheobronchoscopic Assessment of Exercise-Induced Pulmonary Hemorrhage (EIPH) and Airway Inflammation in Barrel Racing Horses • <i>R. Leguillette</i>	CCC Mile High Ballroom 1B
9:00-9:50 am	Research Report	(9:00 am) Transforming Growth Factor Beta at the Hoof Lamellar Interface in Equine Laminitis • <i>L. Gutzmann</i> (9:25 am) Are Horses Subject to Long-QT Syndrome? Preliminary Data From Horses Castrated Under General Anesthesia • <i>R. Buhl</i>	CCC Mile High Ballroom 1C
BREAK - KEYNOTE SPEAKER			
11:30 am-12:10 pm	Consensus Statement	Q Fever • <i>P. Plummer, J. McClure, P. Morley</i>	CCC 401/402
12:30-2:00 pm	SIG	(IS130) Emerging/Re-emerging Disease Luncheon* • <i>S. Reed, M. Long</i> Sponsored by 	CCC 108
2:10-3:00 pm	Comp. Review	Leptospirosis: An Important Infectious Disease in Horses • <i>T. Divers</i>	CCC 403/404



SCIENTIFIC & INTERACTIVE SESSIONS

FRIDAY, JUNE 10

Equine (continued)			
Time	Track	Session Title • Speaker	Room
2:10–3:00 pm	SOTA	* Pathophysiology of Seizures and Epilepsy • <i>M. Rogawski</i>	CCC Mile High Ballroom 1B
3:10–4:00 pm	SOTA	* New Molecular Targets and Treatments for Epilepsy: Will They be Useful for Horses and Dogs? • <i>M. Rogawski</i>	CCC Mile High Ballroom 1B
3:10–4:00 pm	Comp. Review	<i>Borrelia burgdorferi</i> Infection in the Horse: What Do We Actually Know? • <i>T. Divers</i>	CCC 403/404
BREAK - EXHIBIT HALL OPEN			
4:25–5:15 pm	Comp. Review	EHV-1 Latency: The Best Kept Secret • <i>L. Goehring</i>	CCC 403/404
4:25–5:15 pm	Research Report	(4:25 pm) Comparison of Fibrinolysis in Peripartum and Non-pregnant Mares Using Modified Thromboelastography • <i>K. Epstein</i> (4:50 pm) Differential Proteomic Expression of Equine Cardiac and Lamellar Tissue During Insulin-Induced Laminitis • <i>V. Lacombe</i>	CCC Mile High Ballroom 1B
5:25–6:15 pm	Research Report	(5:25 pm) Association Between Hyperinsulinemia and Laminitis Severity at the Time of Pituitary Pars Intermedia Dysfunction Diagnosis • <i>E. Tadros</i> (5:50 pm) Identification of a Genetic Locus Associated with Height and Fasting Insulin in Welsh Ponies • <i>M. McCue</i>	
5:25–6:15 pm	Comp. Review	Characterization of Pulmonary Disease in Neonatal Foals with Computed Tomography • <i>K. Lascola</i>	CCC 403/404
BREAK - THE BIG BASH			
7:30–9:30 pm	Case Discussion	(IS150) Equine Neurological Cases: Perspective of the Clinician and the Pathologist* • <i>L. Goehring, K. Matiasek</i>	CCC Mile High Ballroom 1B
7:30–9:30 pm	Case Discussion	(IS65) Advanced Techniques for Equine Echocardiography* • <i>K. Mitchell, C. Schwarzwald</i>	CCC 106

Food Animal			
Time	Track	Session Title • Speaker	Room
8:00–8:50 am	SOTA	* Phosphorus Balance Disorders in Cattle: What We Know and What We Don't • <i>W. Gruenberg</i>	CCC Mile High Ballroom 1E
9:00–9:50 am	SOTA	* Strategies for Prevention of Hypocalcemia Revisited: Is There a New Perspective to an Old Problem? • <i>W. Gruenberg</i>	
BREAK - KEYNOTE SPEAKER			
2:10–3:00 pm	Research Report	(2:10 pm) Characterization of the Fecal Bacterial Microbiota of Healthy and Diarrheic Calves • <i>D. Gomez Nieto</i> (2:35 pm) High Pressure Processing of Bovine Colostrum: Impact on Quality, Pathogens, and Transfer of Passive Immunity • <i>D. Foster</i>	CCC Mile High Ballroom 1F
2:10–3:00 pm	Comp. Review	An Update on the Influence of Husbandry and Management on Calf Health • <i>I. Lorenz</i>	CCC 210/212
2:10–3:00 pm	ACVCP/AAVPT	Equine Drug Testing in the 21st Century • <i>M. Robinson</i>	CCC Mile High Ballroom 1D
3:10–4:00 pm	ACVCP/AAVPT	Impact of Disease on Drug Pharmacokinetics in Food Animals • <i>H. Coetzee</i>	
3:10–4:00 pm	Comp. Review	Neonatal Calf Diarrhea: Intestinal Bacterial Overgrowth and Systemic Health • <i>B. Credille</i>	CCC 210/212
3:10–4:00 pm	Research Report	(3:10 pm) Antimicrobial Drug Use and Risk Factors for Increased Treatment Incidence and Mortality in Veal Calves • <i>M. Meylan</i> (3:35 pm) Identification of a Haplotype Associated with Hypocholesterolemia and Increased Juvenile Mortality in Holstein Cattle • <i>W. Gruenberg</i>	CCC Mile High Ballroom 1F

FRIDAY, JUNE 10

Food Animal <i>(continued)</i>			
Time	Track	Session Title • Speaker	Room
BREAK - EXHIBIT HALL OPEN			
4:25-5:15 pm	Comp. Review	Antimicrobial Use in Calves with Diarrhea: Considerations for Clinical Decision Making • <i>B. Credille</i>	CCC 210/212
4:25-5:15 pm	Research Report	(4:25 pm) Effect of Intravenous Plasma Transfusion on Leukocyte Activity in Calves with Failure of Passive Immunity • <i>M. Chigerwe</i> (4:50 pm) Risk Factors Influencing <i>Listeria</i> Monocytogenes Prevalence in Middle-Size Dairy Farms • <i>M. Vengust</i>	CCC Mile High Ballroom 1F
4:25-5:15 pm	ACVCP/AAVPT	Residues Following Organic Therapies in Livestock • <i>R. Baynes</i>	CCC Mile High Ballroom 1D
5:25-6:15 pm	Comp. Review	Managing Dairy Calves for a Good Start • <i>T. Ollivett</i>	CCC 210/212
5:25-6:15 pm	ACVCP/AAVPT	Treatment of Lameness in Cattle: Evidence and Residue Considerations • <i>S. Wagner</i>	CCC Mile High Ballroom 1D
5:25-6:15 pm	Research Report	(5:25 pm) Iodine Supplementation as a Strategy for Enhancing Bovine Innate Airway Defenses • <i>M. Heller</i> (5:50 pm) Characterization of an Emerging Neurological Entity Within the Ovine Flock of Quebec • <i>H. Ruel</i>	CCC Mile High Ballroom 1F

Neurology			
Time	Track	Session Title • Speaker	Room
8:00-8:50 am	SOTA	* Brain Tumor Therapy and Neuroimaging: Overcoming the Therapeutic Challenge of the Blood-brain Barrier • <i>E. Neuwelt</i>	CCC Mile High Ballroom 2A/3A
9:00-9:50 am	SOTA	* Minimizing Chemo-induced Toxicity in the Treatment of Brain Tumors • <i>E. Neuwelt</i>	
BREAK - KEYNOTE SPEAKER			
2:10-3:00 pm	Comp. Review	Clinical Trials on Canine Degenerative Myelopathy • <i>J. Coates</i>	CCC Mile High Ballroom 2A/3A
3:10-4:00 pm	Comp. Review	Thoracolumbar Anulus Fibrosus Protrusions in Dogs • <i>S. De Decker</i>	
BREAK - EXHIBIT HALL OPEN			
4:25-5:15 pm	Comp. Review	Beyond Axonal and Demyelinating: Reclassification of Dysimmune Neuropathies • <i>K. Matiasek</i>	CCC Mile High Ballroom 2A/3A
5:25-6:15 pm	Comp. Review	Types and Topography of Epileptogenic Brain Lesions • <i>K. Matiasek</i>	







Oncology			
Time	Track	Session Title • Speaker	Room
8:00-8:50 am	SOTA	* Brain Tumor Therapy and Neuroimaging: Overcoming the Therapeutic Challenge of the Blood-brain Barrier • <i>E. Neuwelt</i>	CCC Mile High Ballroom 2A/3A
9:00-9:50 am	SOTA	* Minimizing Chemo-induced Toxicity in the Treatment of Brain Tumors • <i>E. Neuwelt</i>	
BREAK - KEYNOTE SPEAKER			
2:10-3:00 pm	Comp. Review	Feline Injection-Site Sarcomas: An Evidence-Based Critical Review • <i>A. Litster</i>	CCC 203
2:10-3:00 pm	Research Report	(2:10 pm) Gene Expression Analysis in Canine Tumors • <i>G. Post</i> (2:35 pm) Investigating Multiple In Vitro Pathways Affected by Metformin in Feline Cancer Cells • <i>J. Wypij</i>	CCC Mile High Ballroom 1C
3:10-4:00 pm	Comp. Review	Current Options for Diagnosis and Treatment of Primary and Metastatic Lung Cancer in Dogs and Cats • <i>K. Selting</i>	CCC 203



SCIENTIFIC & INTERACTIVE SESSIONS

FRIDAY, JUNE 10

Oncology (continued)			
Time	Track	Session Title • Speaker	Room
3:10–4:00 pm	Research Report	(3:10 pm) Use of the Novel Oxygen Carrier Protein, ZO _X , in Dogs with Intracranial Masses • <i>M. Kent</i>	CCC Mile High Ballroom 1C
		(3:35 pm) Mycobacterium Cell Wall Fraction as an Aid in the Treatment of Chemotherapy-Induced Neutropenia in Dogs • <i>A. Masic</i>	
BREAK - EXHIBIT HALL OPEN			
4:25–5:15 pm	Comp. Review	Chemotherapy Resistance: Mechanisms and Impact • <i>J. Wypij</i>	CCC 203
4:25–5:15 pm	Research Report	(4:25 pm) Adverse Event Reporting in Companion Animal Clinical Trials Evaluating Cancer Therapy: A Systematic Review • <i>M. Giuffrida</i>	CCC Mile High Ballroom 1C
		(4:50 pm) Development and Validation of the Canine Owner-Reported Quality of Life Scale in Dogs with Cancer • <i>M. Giuffrida</i>	
5:25–6:15 pm	Comp. Review	The Impact of Minimum Residual Disease (MRD) in Canine Lymphoma • <i>J. Wypij</i>	CCC 203
BREAK - THE BIG BASH			
6:30–7:30 pm	Case Discussion	(IS136) Benefits and Challenges of Advanced Technology (IMRT and SRT) in Veterinary Radiation Oncology • <i>T. Gieger</i>	CCC 111/113
7:30–9:30 pm	Workshop	(IS170) Cancer Pain Medicine, Palliative Care and Ethics: An Interactive Workshop* • <i>K. Mitchener, L. Moses</i>	CCC Mile High Ballroom 1C

Small Animal Internal Medicine (SAIM)			
Time	Track	Session Title • Speaker	Room
6:30–8:30 am	Commercial Presentation	(IS114) Paradigm Shift for Cobalamin Supplementation: Are We Done with Injections?/Use of Nutraceutical & Botanical Therapies to Modify Behaviors* • <i>J. Steiner, T. DePorter</i> <i>(Breakfast included.)</i> <i>Sponsored by</i> 	Hyatt Mineral Hall DE
6:30–8:30 am	Commercial Presentation	(IS115) GI Bleeding and Newer Technology* • <i>M. Willard</i> <i>(Breakfast included.)</i> <i>Sponsored by</i> 	Hyatt Mineral Hall ABC
6:30–8:30 am	Commercial Presentation	 (IS117) Inappetence in Dogs and Cats: What's New In It's Management?* • <i>A. Cook, J. Wofford</i> <i>(Breakfast included.)</i> <i>Sponsored by</i> 	Hyatt Centennial Ballroom F
6:30–8:30 am	Commercial Presentation	(IS119) Breaking It Down: Building Blocks in CKD Nutrition* • <i>V. Parker</i> <i>(Breakfast included.)</i> <i>Sponsored by</i> 	Hyatt Capitol Ballroom 1-3
8:00–8:50 am	Comp. Review from Europe	Why HGE is an Outdated Name: New Insights in the Pathogenesis of Acute Hemorrhagic Diarrhea Syndrome • <i>S. Unterer</i>	CCC 201
8:00–8:50 am	ISCAID	ISCAID Consensus Statement: Antimicrobial Guidelines for the Treatment of Respiratory Infections in Dogs and Cats • <i>M. Lappin</i> <i>Sponsored by</i> 	CCC 401/402
8:00–8:50 am	Comp. Review	Mechanical Ventilation: Set-Up and Strategies • <i>J. Barr</i>	CCC Mile High Ballroom 2B/3B
8:00–8:50 am	Comp. Review	How to Get the Most Value Out of Serial Blood Glucose Curves • <i>L. Freeman, P. Lathan, A. Thompson</i>	CCC Mile High Ballroom 4EF
8:00–8:50 am	Comp. Review	SDMA and BAIB as Biomarkers for Kidney Stones in Cats • <i>J. Hall</i>	CCC Mile High Ballroom 4ABC

FRIDAY, JUNE 10



Small Animal Internal Medicine (SAIM) <i>(continued)</i>			
Time	Track	Session Title • Speaker	Room
8:00–8:50 am	Research Report	(8:00 am) Overweight/Obesity in Golden Retrievers as a Function of Neuter, Age, Activity Level, and US Region • <i>M. Simpson</i> (8:25 am) Evaluation of Body Weight, Body Condition, and Muscle Condition in Cats with Hyperthyroidism • <i>M. Peterson</i>	CCC Mile High Ballroom 1F
8:00–10:00 am	Workshop	(IS116) Infectious Disease Diagnostics: Selection, Interpretation, and Quality Control • <i>M. Krecic, K. Snowden</i>	CCC 102/104
8:00 am–12:00 pm	Workshop	(IS125) Canine and Feline Nutrition Hands-On Lab* • <i>C. Datz, A. Deshmukh, C. Lenox, M. Wood, J. Cline</i> Sponsored by 	CCC Mile High Ballroom 4D
8:00 am–12:00 pm	SIG	(IS120) Veterinary Clinical Immunology: A New Sub-Specialty of Internal Medicine?* • <i>O. Garden, L. Kidd, A. MacNeill, C. Mansfield, J. Swann, D. Vail</i> Program sponsored by  Lunch sponsored by 	CCC 107/109
9:00–9:50 am	ISCAID	ISCAID Consensus Statement: Antimicrobial Guidelines for the Treatment of Urinary Tract Infections in Dogs and Cats • <i>J. Weese</i> Sponsored by 	CCC 401/402
9:00–9:50 am	Comp. Review from Europe	Current Concepts in the Treatment of Acute Hemorrhagic Diarrhea Syndrome: A Shift Away From Antibiotics • <i>S. Unterer</i>	CCC 201
9:00–9:50 am	Comp. Review	Mechanical Ventilation: Management and Weaning • <i>M. Pashmakova</i>	CCC Mile High Ballroom 2B/3B
9:00–9:50 am	Comp. Review	Advances in Diabetes and Obesity Therapy: GLP-1 Based Drugs in Veterinary Medicine • <i>C. Gilor</i>	CCC Mile High Ballroom 4E/4F
9:00–9:50 am	Comp. Review	Novel Options for Refractory Incontinence: Stem Cells to Silicone • <i>C. Adin, S. Vaden</i>	CCC Mile High Ballroom 4ABC
9:00–9:50 am	Research Report	(9:00 am) Response to Sildenafil Citrate in Dogs with Pulmonary Hypertension and PDE5A:E90K Polymorphism • <i>J. Stern</i> (9:25 am) Response to Sildenafil Differs in Dogs with Pulmonary Hypertension Associated with Cardiac and Respiratory Etiologies • <i>L. Johnson</i>	CCC Mile High Ballroom 1F
BREAK - KEYNOTE SPEAKER			
11:30 am–12:10 pm	Consensus Statement	Support for Rational Administration of Gastric Protectants to Dogs and Cats • <i>S. Marks, P. Kook, M. Papich, K. Tolbert, M. Willard</i>	CCC Mile High Ballroom 2A/3A
12:20–12:40 pm	Consensus Statement	Lyme Disease in Dogs • <i>M. Littman, M. Lappin, M. Labato, R. Goldstein, B. Gerber, G. Moore</i>	CCC Mile High Ballroom 2A/3A
12:30–1:10 pm	Lunch & Learn	A New Approach to Learning Ultrasound and Some Interesting Cases • <i>B. Hornof</i> Sponsored by 	Exhibit Hall F - Knowledge Corner
1:15–1:55 pm	Lunch & Learn	TGI Endoscopy - Scope SMART: 5 Keys to a Successful Practice • <i>J. Whittemore</i> Sponsored by 	Exhibit Hall F - Knowledge Corner
2:10–3:00 pm	ASVCP	Laboratory Diagnosis and Classification of Anemia • <i>C. Grimes</i>	CCC Mile High Ballroom 4E/4F
2:10–3:00 pm	ISCAID	(2:10 pm) Echinococcus Multilocularis: An Emerging Zoonotic Disease • <i>A. Peregrine</i> (2:35 pm) H3N2 Canine Influenza Virus: What Clinicians Need to Know • <i>C. Crawford</i> Sponsored by 	CCC 401/402



FRIDAY, JUNE 10

Small Animal Internal Medicine (SAIM) <i>(continued)</i>			
Time	Track	Session Title • Speaker	Room
2:10–3:00 pm	Comp. Review	Characterization of Bronchinterstitial Disease in Cats: Spontaneous Disease & Exp Models • <i>A. Dillon</i>	CCC Mile High Ballroom 4ABC
2:10–3:00 pm	Post Graduate Course	Endoscopic Intervention and Gastrointestinal Imaging: The Human Perspective • <i>M. Kochman</i> <i>Sponsored by</i>  INFINITI MEDICAL <small>Advanced Technology for Vets and Pets</small>	CCC Mile High Ballroom 3C
2:10–3:00 pm	SCE	Genetics of Endocrine Disease in Dogs and Cats • <i>L. Davison</i> <i>Sponsored by</i>  Dechra <small>Veterinary Products</small>	CCC 405
2:10–3:00 pm	VECCS	Venous Function in Critical Illness • <i>B. Hansen</i>	CCC Mile High Ballroom 2B/3B
3:10–4:00 pm	ASVCP	Non-Regenerative Anemia: Mechanisms of Decreased or Ineffective Erythropoiesis • <i>C. Grimes</i>	CCC Mile High Ballroom 4EF
3:10–4:00 pm	ISCAID	Resistant Gram Negative Infections • <i>M. Thompson</i> <i>Sponsored by</i> 	CCC 401/402
3:10–4:00 pm	Comp. Review	An Update on Tracheal Collapse Syndrome • <i>C. Weisse</i>	CCC Mile High Ballroom 4ABC
3:10–4:00 pm	Post Graduate Course	How to Modulate the GI Microbiome: Effect of Diet, Antibiotics and Probiotics • <i>J. Suchodolski</i>	CCC Mile High Ballroom 3C
3:10–4:00 pm	SCE	Environmental Factors in the Development of Thyroid Disease • <i>J. Morrison</i>	CCC 405
3:10–4:00 pm	VECCS	Arterial Function in Critical Illness • <i>S. Istvan</i>	CCC Mile High Ballroom 2B/3B
4:00–6:00 pm	SIG	(IS135) GI Endoscopy: What's Your Diagnosis? • <i>M. Matz, A. Gallagher</i>	CCC 108
BREAK - EXHIBIT HALL OPEN			
4:25–5:15 pm	ASVCP	Hereditary Erythrocyte Defects Causing Anemia in Dogs • <i>U. Giger</i>	CCC Mile High Ballroom 4EF
4:25–5:15 pm	ISCAID	New Methods of Testing for Infectious Agents • <i>J. Sykes</i> <i>Sponsored by</i> 	CCC 401/402
4:25–5:15 pm	Comp. Review	Diagnosing Canine Leptospirosis in 2016: Moving Away from the MAT • <i>R. Goldstein</i>	CCC Mile High Ballroom 4ABC
4:25–5:15 pm	Post Graduate Course	Cytokines and Inflammatory Mediators in IBD • <i>K. Allenspach</i>	CCC Mile High Ballroom 3C
4:25–5:15 pm	SCE	Etiopathogenesis of Feline Hyperthyroidism • <i>H. Syme</i> <i>Sponsored by</i>  Dechra <small>Veterinary Products</small>	CCC 405
4:25–5:15 pm	VECCS	Vascular Access • <i>E. Rozanski</i> <i>Sponsored by</i>  Dechra <small>Veterinary Products</small>	CCC Mile High Ballroom 2B/3B
5:25–6:15 pm	ASVCP	Blood Typing and Blood Compatibility Testing in Dogs • <i>U. Giger</i>	CCC Mile High Ballroom 4EF
5:25–6:15 pm	ISCAID	Emerging Resistance to Anti-Fungal Drugs • <i>V. Barrs</i> <i>Sponsored by</i> 	CCC 401/402
5:25–6:15 pm	Comp. Review	Canine Lyme Vaccination: Past, Present and Future • <i>R. Goldstein, R. Marconi</i> <i>Sponsored by</i>  zoetis	CCC Mile High Ballroom 4ABC

FRIDAY, JUNE 10

Small Animal Internal Medicine (SAIM) <i>(continued)</i>			
Time	Track	Session Title • Speaker	Room
5:25-6:15 pm	Post Graduate Course	ANCA and Other Autoimmune Antibodies in Dogs: When and How to Use Them • <i>K. Allenspach</i>	CCC Mile High Ballroom 3C
5:25-6:15 pm	Research Report	(5:25 pm) A Dysbiosis Index to Assess Microbial Changes in Fecal Samples of Dogs with Chronic Enteropathy • <i>J. Suchodolski</i> (5:50 pm) Utility of Parr Analysis for Improved Detection of Lymphoma in Feline Endoscopic Duodenal Biopsies • <i>J. Peuroi</i>	CCC Mile High Ballroom 1C
5:25-6:15 pm	SCE	Dietary Links to Feline Hyperthyroidism • <i>I. van Hoek</i>	CCC 405
5:25-6:15 pm	VECCS	Early Goal-Directed Therapy: Updates and Practices • <i>L. Sullivan</i>	CCC Mile High Ballroom 2B/3B
BREAK - THE BIG BASH			
7:30-8:30 pm	Case Discussion	(IS140) Diabetic Dilemmas: How Our Practice Approaches the Complicated Diabetic Patient • <i>A. Radhakrishnan</i>	CCC Mile High Ballroom 1A
7:30-8:30 pm	Case Discussion	(IS142) How to Diagnose, Treat, and Monitor Hypothyroidism in Cats: Everything is Different than in Dogs! • <i>M. Peterson</i>	CCC 210/212
7:30-9:30 pm	SIG	(IS160) Liver Study Group* • <i>M. Hitt, A. Johnston</i> <i>Sponsored by</i> 	CCC 102/104
7:30-9:30 pm	SIG	(IS165) Society of Comparative Endocrinology (SCE)* • <i>T. Schermerhorn</i> <i>Sponsored by</i> 	CCC 103/105
7:30-9:30 pm	Workshop	(IS185) Practical Cross-Species Approach to Interpretation of Blood Gas Using Conventional, Stewart and Fencl-Stewart Approaches* • <i>G. Hallowell</i>	CCC Mile High Ballroom 1E

Technician			
Time	Session Type	Session Title • Speaker	Room
8:00-8:50 am	SAIM - Nutrition	The Importance of a Balanced Gut Microbiome for Intestinal Health of Dogs and Cats • <i>J. Suchodolski</i>	CCC 111/113
8:00-8:50 am	SAIM - Transfusion	Hemolytic Transfusion Reactions in Dogs • <i>M. Blais</i>	CCC Mile High Ballroom 3C
9:00-9:50 am	SAIM - Nutrition	Chronic Kidney Disease in Cats: It's More Than Just Fluids • <i>M. Codi</i>	CCC 111/113
9:00-9:50 am	SAIM - Transfusion	Alternative Transfusion Methods in Dogs and Cats • <i>K. Yagi</i>	CCC Mile High Ballroom 3C
BREAK - KEYNOTE SPEAKER			
10:30 am-12:30 pm	Oncology Workshop	Let's Get Our Hands Into Oncology Safety • <i>K. Albin</i>	CCC 106
11:30 am-12:20 pm	SAIM - Nutrition	Management of Canine Lower Urinary Tract Disease • <i>V. Ograin</i>	CCC 111/113
11:30 am-12:20 pm	SAIM - Transfusion	Update on Blood Banking for Dogs and Cats • <i>S. Musulin</i>	CCC Mile High Ballroom 3C
12:30-2:00 pm	Luncheon	The Diagnostic Testing of the Adrenal Gland* • <i>T. Schermerhorn</i> <i>Sponsored by</i> 	Hyatt Capitol Ballroom 1-4



FRIDAY, JUNE 10

Technician <i>(continued)</i>			
Time	Session Type	Session Title • Speaker	Room
2:00–4:00 pm	SAIM Workshop	The ABCs of Diabetes and DKA: Treatment, Management, Nutrition* • <i>R. Poulin, K. Burns</i>	
2:10–3:00 pm	Neurology	Clinical Use of Neuroimaging in Small Animals: CT and MRI • <i>L. Cook</i>	CCC 111/113
2:10–3:00 pm	Oncology	Canine Osteosarcoma • <i>S. Nguyen</i>	CCC 108
3:10–4:00 pm	Neurology	Neurologic Manifestations of Endocrine Diseases in Dogs and Cats • <i>L. Cook</i>	CCC 111/113
3:10–4:00 pm	Oncology	Inflammatory Bowel Disease or Lymphoma? Nebulous Cat Cases • <i>S. Bechtel, A. Corrigan</i>	CCC 108
BREAK - EXHIBIT HALL OPEN			
4:25–5:15 pm	Neurology	Urinary System Care and Maintenance in Neurologically Impaired Dogs and Cats • <i>J. Weber</i>	CCC 111/113
4:25–5:15 pm	Oncology	Tumor or Fungus? Diagnosis and Treatment of Dogs and Cats • <i>S. Bechtel, A. Corrigan</i>	CCC 108
5:25–6:15 pm	Neurology	Physical Rehabilitation for Spinal Cord Disease in Dogs and Cats • <i>S. Gilliam</i>	CCC 111/113
5:25–6:15 pm	Oncology	New Therapeutics Impacting Small Animal Oncology Practice • <i>C. Johannes</i>	CCC 108

Research Abstracts – Oral Presentations

Equine

Time	Session Title • Speaker	Room
2:15–2:30 pm	E28: Influenza-Specific Immune Responses to a Combination Vaccine in Naïve Ponies • <i>A. Adams</i>	CCC Mile High Ballroom 1A
2:30–2:45 pm	E29: WNV-Specific Immune Responses to a Combination Vaccine in Naïve Ponies • <i>A. Adams</i>	
2:45–3:00 pm	E30: Characteristics of Infection Control Practices at North American Veterinary Teaching Hospitals • <i>B. Burgess</i>	
3:00–3:15 pm	E31: Anti-Endotoxic Properties of Ketorolac Tromethamine and Flunixin Meglumine in Horses • <i>S. Taylor</i>	
3:15–3:30 pm	E32: Effects on Sweating of Chloramphenicol and the Macrolide Gamithromycin: Comparison with Erythromycin • <i>A. Stieler</i>	CCC Mile High Ballroom 1A
3:30–3:45 pm	E33: Comparison of the Clinicopathologic Signatures of Equine Coronavirus and <i>Salmonella enterocolitis</i> • <i>A. Manship</i>	
3:45–4:00 pm	E34: Phenotypic Characterization of <i>Sarcocystis neurona</i> Lesions in Gravely Affected Horses • <i>J. Liu</i>	
BREAK - EXHIBIT HALL OPEN		
4:30–4:45 pm	E36: Syringe Versus Mechanical Suction with N-Butylscopolammonium Effects on BAL Parameters in Horses with Pasture RAO • <i>J. Bowser</i>	CCC Mile High Ballroom 1A
4:45–5:00 pm	E37: Prevalence of Fungi in Respiratory Samples of Horses with Inflammatory Airway Disease • <i>J. Dauvillier</i>	
5:00–5:15 pm	E38: Intravenous Magnesium Sulfate As a Rescue Therapeutic for Bronchoconstriction in Horses • <i>C. Swiderski</i>	
5:15–5:30 pm	E39: Investigation of Misoprostol As a Novel Anti-Inflammatory in Equine Leukocytes • <i>E. Medlin Martin</i>	

FRIDAY, JUNE 10

Research Abstracts – Oral Presentations		
Equine (continued)		
Time	Session Title • Speaker	Room
5:30–5:45 pm	E40: Do Endocrine Disrupting Chemicals Play a Role in Horses with Equine Metabolic Syndrome? • <i>S. Durward-Akhurst</i>	CCC Mile High Ballroom 1A
5:45–6:00 pm	E41: Evaluation of an Oral Sugar Test for Dynamic Assessment of Five Equine Breeds' Insulin Response/Sensitivity • <i>J. Manfredi</i>	

Small Animal Internal Medicine (SAIM) – Gastroenterology		
Time	Session Title • Speaker	Room
9:00–9:15 am	G115: Human Granulocyte Immunofluorescence Assay for Anti-Neutrophil Antibodies Shows Strong Association with Canine Food Responsive Diarrhea • <i>K. Allenspach</i>	CCC Mile High Ballroom 2C
9:15–9:30 am	G116: Serum Citrulline Concentrations in Dogs with Chronic Enteropathy • <i>J. Lidbury</i>	
9:30–9:45 am	G117: Oral Versus Parenteral Cobalamin Supplementation in Dogs with Chronic Enteropathies and Hypocobalaminemia • <i>L. Toresson</i>	
9:45–10:00 am	G118: Plasma Essential Trace Element Concentrations in Dogs with Chronic Enteropathy • <i>N. Yokoyama</i>	CCC Mile High Ballroom 2C
BREAK – KEYNOTE SPEAKER		
2:15–2:30 pm	G119: Validation of Ultrasonographic Measurement of Gastric Emptying Time in Healthy Cats Using Radionuclide Scintigraphy • <i>R. Husnik</i>	
2:30–2:45 pm	G120: Effect of Mosapride on Postprandial Gallbladder Motility and Plasma Levels of Motilin in Dogs • <i>T. Kakimoto</i>	
2:45–3:00 pm	G121: Evaluation of the Presence and Role of Cysteine Protease 30 in Feline <i>T. foetus</i> • <i>M. K. Tolbert</i>	
3:00–3:15 pm	G122: Evaluation of the Effect of Omeprazole on Serum Calcium, Magnesium, Gastrin and Bone in Cats • <i>E. Gould</i>	
3:15–3:30 pm	G123: Gravity-Assisted Esophageal Transit Characteristics in Dogs with Megaesophagus • <i>J. Haines</i>	
3:30–3:45 pm	G124: Feasibility of Measuring Gastrointestinal Transit Time in Healthy Dogs Using ALICAM • <i>J. Lidbury</i>	
3:45–4:00 pm	G125: Comparison of Gastric Transit Time in Healthy Dogs and Dogs with Signs of Gastric Hypomotility • <i>J. Pomrantz</i>	
4:00–4:15 pm	G126: Feasibility of a Novel Gastrointestinal Imaging Device for Use in Dogs • <i>J. Pomrantz</i>	

Small Animal Internal Medicine (SAIM) – Hepatology		
Time	Session Title • Speaker	Room
8:00–8:15 am	◆ HP01: Fluorescence in Situ Hybridization Identifies Occult Bacterial Infection in Gallbladder Mucoceles • <i>S. Wennogle</i>	CCC 203
8:15–8:30 am	◆ HP02: Association of Gallbladder Mucocele Formation with Occult Hypothyroidism in Dogs: A Matched Case-Controlled Study • <i>K. Aicher</i>	
8:30–8:45 am	HP03: Interobserver Agreement for Histological Scoring of Canine Hepatic Fibrosis • <i>J. Lidbury</i>	
8:45–9:00 am	HP04: Embolization of Intrahepatic Portosystemic Shunts in Dogs with a Prototype Coil • <i>M. Schneider</i>	



FRIDAY, JUNE 10

Research Abstracts - Oral Presentations		
Small Animal Internal Medicine (SAIM) - Other		
Time	Session Title • Speaker	Room
8:00-8:15 am	♦ OT01: Effect of Three Resuscitative Fluid Protocols on N-Terminal Prohormone Brain Natriuretic Peptide in Healthy Dogs • <i>A. Khoo</i>	CCC 403/404
8:15-8:30 am	OT02: Dexmedetomidine Oromucosal Gel for Alleviation of Acute Anxiety and Fear Associated with Noise in Dogs • <i>M. Korpivaara</i>	
8:30-8:45 am	OT03: Prognostic Indicators in Cats with Septic Peritonitis: 55 Cases (2002-2015) • <i>K. Scotti</i>	
8:45-9:00 am	OT04: Reliability of Thermometer Protective Sheaths for Measurement of Rectal Temperature in Dogs • <i>F. Jolivet</i>	



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SCIENTIFIC & INTERACTIVE SESSIONS

SATURDAY, JUNE 11



6:30-7:50 am	VIN Community Breakfast <i>By Invitation Only</i>	Hyatt Mineral Hall ABC
7:00-7:50 am	Christian Veterinary Mission Fellowship Breakfast	Hyatt Quartz AB
7:00 am-5:00 pm	Foundation Booth • ACVIM Apparel	CCC F Lobby
7:00 am-7:00 pm	Registration Desk	CCC F Lobby
7:00 am-7:00 pm	BlackwellKing Candidate Lounge <i>Sponsored by</i> 	CCC F Lobby
7:00 am-7:00 pm	VCA Diplomate Lounge <i>Sponsored by</i> 	CCC F Lobby
7:00 am-7:00 pm	Cyber Café <i>Powered by</i> 	CCC F Lobby
7:00 am-7:00 pm	Publisher Book Sales	CCC F Lobby
7:00 am-7:00 pm	Speaker Ready Room	CCC 301
7:45 am-6:30 pm	Childcare*	Hyatt Agate AB
8:00 am-6:15 pm	Educational Sessions	<i>See pages 61-67</i>
8:00 am-6:15 pm	Technician Sessions	<i>See page 68</i>
1:00-2:00 pm	Friends of Dr. Bob and Bill W. Meeting	CCC 101
2:00-5:00 pm	ACVIM Board of Regents Meeting	Hyatt Granite

Business Management

Time	Session Type	Session Title • Speaker	Room
8:00-8:50 am	Comp. Review	Systems that Ensure Consistency of Care • <i>P. Weinstein</i> <i>Sponsored by</i> 	CCC Mile High Ballroom 1E
8:00 am-12:00 pm	Workshop	(IS195) Resiliency in Veterinary Medicine: Self Care of Body, Mind, Spirit, and Team for Optimal Performance* • <i>R. Goodman</i>	CCC 103/105
9:00-9:50 am	Comp. Review	Creating Checklists to Ensure Consistent Patient Care • <i>P. Weinstein</i> <i>Sponsored by</i> 	CCC Mile High Ballroom 1E
BREAK			
10:30-11:20 am	Comp. Review	Teamwork: It Makes the Dreamwork • <i>P. Weinstein</i> <i>Sponsored by</i> 	CCC Mile High Ballroom 1E
11:30 am-12:20 pm	Comp. Review	Retention Marketing for Specialty Practices • <i>P. Weinstein</i> <i>Sponsored by</i> 	

SATURDAY, JUNE 11

Cardiology			
8:00–8:50 am	Comp. Review	Calcium: The Master Regulator • <i>L. Bode</i>	CCC Mile High Ballroom 3C
BREAK			
2:10–3:00 pm	Clinical Workshop	Problems and Pitfalls in Equine Exercising ECG • <i>G. Hallowell</i>	CCC Mile High Ballroom 3C
3:10–4:00 pm	Clinical Workshop	Exercising Arrhythmias and Sudden Death During Sports in Horses • <i>C. Navas de Solis</i>	
BREAK			
4:25–5:15 pm	Clinical Workshop	High Intensity Exercising ECG Interpretation • <i>J. Slack</i>	CCC Mile High Ballroom 3C

Equine			
Time	Session Type	Session Title • Speaker	Room
8:00–8:50 am	Clinical Workshop	Sleep Disorders in Horses: A Review and Classification of 420 Cases • <i>J. Bertone</i>	CCC 203
8:00–8:50 am	Research Report	(8:00 am) The Assessment of Behavioral Changes Displayed in Horses with Equine Glandular Gastric Disease • <i>M. Bowen</i> (8:25 am) Pharmacodynamics of a Long-Acting Injectable Formulation of Omeprazole in the Horse • <i>B. Sykes</i>	CCC 201
9:00–9:50 am	Clinical Workshop	Seizures and Abnormal Behavior: Panel Discussion • <i>M. Aleman, M. Furr, R. MacKay, S. Reed</i>	CCC 203
9:00–9:50 am	Research Report	(9:00 am) Enantioselective Bronchopulmonary Pharmacokinetics of Salbutamol in Horses • <i>S. Raidal</i> (9:25 am) Immunoproteomic Analysis of Inhalable Barn Dust • <i>K. Ivester</i>	CCC 201
BREAK			
10:30– 11:20 am	Clinical Workshop	Differentiating Between Equine Botulism and Equine Dysautonomia • <i>N. Hudson</i>	CCC 203
10:30–11:20 am	Research Report	(10:30 am) Effects of Free and Carrier-Bound Cortisol on Equine Neutrophil Function • <i>K. Hart</i> (10:55 am) Bone Marrow Transplantation and Epigenetic Modulation of Hematopoietic Precursors in Equine Common Variable Immunodeficiency • <i>M. Felipe</i>	CCC 201
11:30 am–12:20 pm	Research Report	(11:30 am) Serum and CSF Lyme Multiplex Results for Neurologic Horses with and without Neuroborreliosis • <i>A. Johnson</i> (11:55 am) Use of Enrichment and Quantitative PCR to Improve Detection of Salmonella in Referral Hospitals • <i>A. Krull</i>	CCC 201
11:30 am–12:20 pm	Clinical Workshop	Myofibrillar Myopathy: A Newly Discovered Cause of Exertional Myopathy in Arabian and Warmblood Horses • <i>S. Valberg</i>	CCC 203
12:00–2:00 pm	SIG	(IS200) Equine Internal Medicine Specialists in Private Practice Luncheon* • <i>A. Polkes, C. Clark</i> <i>Sponsored by</i>  	CCC 102/104
BREAK			
2:10–3:00 pm	Post Graduate Course	Metabologenomics in the Horse • <i>S. Brooks</i>	CCC 203
3:10–4:00 pm	Post Graduate Course	Use of Next-Generation Sequencing Technologies to Study Disease • <i>C. Finno</i>	
BREAK			



SATURDAY, JUNE 11

Equine (continued)			
Time	Session Type	Session Title • Speaker	Room
4:25–5:15 pm	Post Graduate Course	Use of Molecular Diagnostics for Infectious Equine Pathogens • <i>N. Pusterla</i>	CCC 203
5:25–6:15 pm	Post Graduate Course	Neutrophil Extracellular Traps, Activated Endothelium and Immunothrombosis • <i>B. Dunkel</i>	

Food Animal			
Time	Session Type	Session Title • Speaker	Room
8:00–8:50 am	Post Graduate Course	Methods of Measuring Antibiotic Concentrations in the Airways • <i>D. Foster</i>	CCC Mile High Ballroom 1F
9:00–9:50 am	Post Graduate Course	Antibiotic Concentrations in the Airways of Cattle • <i>D. Foster</i>	
BREAK			
10:30–11:20 am	Post Graduate Course	Antibiotic Concentrations in the Gastrointestinal Tract of Cattle • <i>D. Foster</i>	CCC Mile High Ballroom 1F
11:30 am–12:20 pm	Post Graduate Course	Impact of Gastrointestinal Antibiotic Concentrations on Antimicrobial Resistance • <i>D. Foster</i>	
BREAK			
2:10–3:00 pm	AAVN/ACVN	Micronutrient Nutrition in Fetal Health and Development • <i>R. Van Saun</i>	CCC Mile High Ballroom 1A
2:10–3:00 pm	Clinical Workshop	Camelid Medical Emergencies • <i>C. Cebra</i>	CCC Mile High Ballroom 1C
3:10–4:00 pm	AAVN/ACVN	Manganese Deficiency in Cattle • <i>T. Herdt</i>	CCC Mile High Ballroom 1A
3:10–4:00 pm	Clinical Workshop	Managing Colic in Camelids • <i>C. Cebra</i>	CCC Mile High Ballroom 1C
BREAK			
4:25–5:15 pm	AAVN/ACVN	Andipose Tissue Metabolism in Relation to Transition Cow Disease • <i>A. Contreras-Bravo</i>	CCC Mile High Ballroom 1A
4:25–5:15 pm	Clinical Workshop	Herd Health Planning for Camelids: A Valuable Opportunity • <i>C. Whitehead</i>	CCC Mile High Ballroom 1C
5:25–6:15 pm	AAVN/ACVN	Clinical Effects of Subclinical Hypocalcaemia in Peripartum Dairy Cows • <i>V. Mavangira</i>	CCC Mile High Ballroom 1A
5:25–6:15 pm	Clinical Workshop	Bovine TB in Camelids • <i>C. Whitehead</i>	CCC Mile High Ballroom 1C

Neurology			
Time	Session Type	Session Title • Speaker	Room
8:00–8:50 am	Research Report	(8:00 am) Frameless Stereotactic Radiotherapy Alone and Combined with Temozolomide in Canine Gliomas • <i>M. Dolera</i> (8:25 am) Oligodendrocyte Progenitor Cells: Targets to Improve CNS Function and Repair in Ageing and Disease • <i>A. Crawford</i>	CCC 403/404
9:00–9:50 am	Research Report	(9:00 am) Feline Anti-Nerve Growth Factor Antibody Improves Mobility in Cats with Degenerative Joint Disease-Associated Pain • <i>M. Gruen</i> (9:25 am) The Pharmacokinetics and Safety of Glial Growth Factor 2 in Dogs • <i>N. Olby</i>	
BREAK			

SATURDAY, JUNE 11

Neurology (continued)			
Time	Session Type	Session Title • Speaker	Room
10:30-11:20 am	Research Report	(10:30 am) Pharmacokinetics and Pharmacodynamics of IV Diazepam and IV Topiramate in Dogs With and Without Epilepsy • <i>E. Patterson</i> (10:55 am) Correlating Head and Neck Pain with Intracranial Disease • <i>J. Narak</i>	CCC 403/404
11:30 am-12:20 pm	Research Report	(11:30 am) 3D Printing Applications for the Spine • <i>F. Winger</i> (11:55 am) Cerebral Microbleeds in Dogs: A Retrospective Study of Demographics, Clinical Associations and Patient Outcome • <i>C.E. Boudreau</i>	
BREAK			
2:10-3:00 pm	Comp. Review	 Canine Focal and Absence Epileptic Syndromes • <i>F. James</i>	CCC 205/207
2:10-3:00 pm	Clinical Workshop	Neurologic Examination Made Easy • <i>R. da Costa</i>	CCC Mile High Ballroom 4EF
3:10-4:00 pm	Comp. Review	 Canine Post-Traumatic Seizures, Advanced Imaging Prognostic Factors and Future Perspective • <i>E. Beltran</i>	CCC 205/207
3:10-4:00 pm	Clinical Workshop	Video-Based Lesion Localization • <i>R. da Costa</i>	CCC Mile High Ballroom 1C
BREAK			
4:25-5:15 pm	Comp. Review	 Seizures and other Involuntary Movements in Cats • <i>K. Marioni-Henry</i>	CCC 205/207
4:25-5:15 pm	Clinical Workshop	Differential Diagnosis of Spinal Diseases • <i>R. da Costa</i>	CCC Mile High Ballroom 4EF
5:25-6:15 pm	Comp. Review	 Diagnosing Seizure-Like Events: Startling Results of EEG Videocase Studies • <i>W. Bush</i>	CCC 205/207
5:25-6:15 pm	Clinical Workshop	Top 4 Spinal Diseases • <i>R. da Costa</i>	CCC Mile High Ballroom 4EF

Oncology			
Time	Session Type	Session Title • Speaker	Room
8:00-8:50 am	Comp. Review	The Tumor Microenvironment: Friend or Foe in Cancer Therapy? • <i>M. Goulart</i>	CCC Mile High Ballroom 1A
8:00-8:50 am	Research Report	(8:00 am) STAT3 Pathway is Upregulated in Canine B Cell Lymphomas and is Associated with Poor Prognosis • <i>X. Pan</i> (8:25 am) Alternating Rabacfosadine/Doxorubicin: Efficacy and Tolerability in Naïve Canine Multicentric Lymphoma • <i>D. Thamm</i>	CCC Mile High Ballroom 1B
9:00-9:50 am	Comp. Review	Utilizing Inflammation to Overcome Immune Tolerance in Osteosarcoma • <i>J. Fogle</i>	CCC Mile High Ballroom 1A
9:00-9:50 am	Research Report	(9:00 am) Preliminary Investigation of the Insulin-Like Growth Factor 1 Axis in Dogs with Multicentric Lymphoma • <i>C. Heinze</i> (9:25 am) Electrochemotherapy with Intravenous Bleomycin for Treatment of Feline Squamous Cell Carcinoma: Experience on 12 Cats • <i>G. Lubas</i>	CCC Mile High Ballroom 1B
BREAK			
10:30-11:20 am	Research Report	(10:30 am) Novel Oncolytic Maraba Virus for the Adjuvant Treatment of Feline Mammary Carcinoma • <i>J. P. Woods</i> (10:55 am) Osteosarcoma-Derived Exosomes Impair CD4+ and CD8+ T-Cell Proliferation and Induce T-Regulatory Cell Expansion • <i>S. Bracha</i>	CCC Mile High Ballroom 1B
10:30-11:20 am	Comp. Review	Demystifying the ABCs of SRS, SRT, IMRT and IGRT • <i>M. Turek</i>	CCC Mile High Ballroom 1A




SCIENTIFIC & INTERACTIVE SESSIONS

SATURDAY, JUNE 11

Oncology (continued)			
Time	Session Type	Session Title • Speaker	Room
11:30 am-12:20 pm	Comp. Review	Update on Diagnostic and Therapeutic Applications for Radioisotopes in Veterinary Oncology • <i>K. Selting</i>	CCC Mile High Ballroom 1A
BREAK			
2:10-3:00 pm	Post Graduate Course	Hematologic Complications in Malignancy • <i>J. Wypij</i> Sponsored by 	CCC Mile High Ballroom 1B
3:10-4:00 pm	Post Graduate Course	Diagnostic Imaging in the Oncology Patient: Moving Beyond the Met Check • <i>J. Wypij</i>	
BREAK			
4:25-5:15 pm	Post Graduate Course	Oncologic Pathology: Interpreting the Data • <i>S. Nguyen</i>	CCC Mile High Ballroom 1B
5:25-6:15 pm	Post Graduate Course	Osteosarcoma: Living the Legless Life • <i>S. Nguyen</i>	

One Medicine			
Time	Session Type	Session Title • Speaker	Room
8:00-8:50 am	Comp. Review	Climate Change: A Veterinary Problem? • <i>A. Frimberger</i>	CCC Mile High Ballroom 1D
9:00-9:50 am	Comp. Review	One Health View of Veterinary Disaster Management • <i>S. Heath</i>	
BREAK			
10:30-11:20 am	Comp. Review	Biosecurity: A One Health Perspective • <i>L. Pantaleon</i>	CCC Mile High Ballroom 1D

Small Animal Internal Medicine (SAIM)			
Time	Session Type	Session Title • Speaker	Room
8:00-8:25 am	Research Focus – Foundation	Retropharyngeal Lymph Node Evaluation in Canine Head and Neck Tumors • <i>B. Boudreaux</i>	CCC Mile High Ballroom 1C
8:00-8:50 am	Research Report	(8:00 am) Three Diverse Mutations Underlying Canine Xanthine Urolithiasis • <i>E. Furrow</i> (8:25 am) Urinary Microbiota in Healthy Dogs • <i>E. Burton</i>	CCC 401/402
8:00-8:50 am	Liver Study	Hepatic Encephalopathy in Humans: A Clinical Perspective • <i>G. Everson</i>	CCC Mile High Ballroom 2A/3A
8:00-8:50 am	Comp. Review	Chronic Hypertonicity and its Possible Consequences for Diabetic Dogs and Cats • <i>T. Schermerhorn</i>	CCC Mile High Ballroom 2B/3B
8:00-8:50 am	Clinical Workshop	 Renal Markers in AKI • <i>L. Cowgill</i>	CCC 205/207
8:00-8:50 am	Post Graduate Course	IBD: Diagnosis and Management • <i>M. Forman</i>	CCC Mile High Ballroom 2C
8:00-8:50 am	VCRS	Air Quality and Indoor Exposures: Clinical Impacts • <i>J. Dye</i>	CCC Mile High Ballroom 4EF
8:00-9:00 am	Case Discussion	(IS190) The 411 on DKA • <i>R. Poulin</i>	CCC 102/104
BREAK			
9:00-9:50 am	Research Report	(9:00 am) Vitamin D Metabolites, Parathyroid Hormone and Fibroblast Growth Factor-23 in Canine Chronic Kidney Disease • <i>V. Parker</i> (9:25 am) Association Between Vitamin D Metabolites and Proteinuria in Dogs • <i>V. Parker</i>	CCC 401/402

SATURDAY, JUNE 11

Small Animal Internal Medicine (SAIM) <i>(continued)</i>			
Time	Session Type	Session Title • Speaker	Room
9:00–9:50 am	Liver Study	Management of Complications in Chronic Liver Disease • <i>G. Everson</i>	CCC Mile High Ballroom 2A/3A
9:00–9:50 am	Comp. Review	Advances in Insulin Therapy: Rapid-acting Insulin Analogs in Cats • <i>J. Fletcher</i>	CCC Mile High Ballroom 2B/3B
9:00–9:50 am	Clinical Workshop	👤 Renal Markers in LUT • <i>J. Kruger</i>	CCC 205/207
9:00–9:50 am	Post Graduate Course	IBD: Complications & Comorbidities • <i>M. Forman</i>	CCC Mile High Ballroom 2C
9:00–9:50 am	VCRS	Tracheal and Bronchomalacia: Where We Are in 2016 – Diagnostic Advances • <i>L. Johnson</i>	CCC Mile High Ballroom 4EF
BREAK			
10:30–11:20 am	Research Report	(10:30 am) Development of Biomarker Assays for the Pharmacodynamic Evaluation of Mycophenolate Mofetil in the Dog • <i>A. Mackin</i> (10:55 am) Effects of Immunosuppressive Drug Therapy on Canine Activated Whole Blood Expression of Interleukin-2 and Interferon-γ • <i>C. Fellman</i>	CCC 401/402
10:30–11:20 am	Liver Study	The Role of Inflammation in Hepatic Encephalopathy • <i>A. Gow</i>	CCC Mile High Ballroom 2A/3A
10:30–11:20 am	Comp. Review	Canine Pituitary Dependent Hyperadrenocorticism: Other Treatment Options • <i>K. Lunn</i>	CCC Mile High Ballroom 2B/3B
10:30–11:20 am	Clinical Workshop	👤 Renal Markers in CKD • <i>R. Jepson</i>	CCC 205/207
10:30–11:20 am	Post Graduate Course	IBD: Nutrition in Pathogenesis & Management • <i>J. Bartges</i> <i>Sponsored by IDEXX</i>	CCC Mile High Ballroom 2C
10:30–11:20 am	VCRS	Tracheal and Bronchomalacia: Where We Are in 2016 – Management Strategies • <i>E. Hawkins</i>	CCC Mile High Ballroom 4EF
11:30 am–12:20 pm	Research Report	(11:30 am) Subcutaneous Ureteral Bypass Device Placement for Benign Ureteral Obstruction in Cats: 137 Cats (174 Ureters) • <i>A. Berent</i> (11:55 am) ALICAM and Gastrointestinal Disease in Dogs • <i>J. Pomrantz</i>	CCC 401/402
11:30 am–12:20 pm	Liver Study	Treatment of Acute and Chronic Hepatic Encephalopathy in Dogs and Cats • <i>A. Gow</i>	CCC Mile High Ballroom 2A/3A
11:30 am–12:20 pm	Comp. Review	Clinical Approach to Adrenal Incidentaloma • <i>E. Behrend</i>	CCC Mile High Ballroom 2B/3B
11:30 am–12:20 pm	Clinical Workshop	👤 Renal Markers: Panel • <i>L. Cowgill, R. Jepson, J. Kruger, J. Quimby</i>	CCC 205/207
11:30 am–12:20 pm	Post Graduate Course	IBD: Complementary and Integrative Therapies • <i>J. Bartges</i>	CCC Mile High Ballroom 2C
11:30 am–12:20 pm	VCRS	The Respiratory Microbiome in Dogs and Cats • <i>C. Reinero</i>	CCC Mile High Ballroom 4EF
BREAK			
2:10–2:50 pm	Research Report	(2:10 pm) Short Telomeres are Associated with Feline Chronic Kidney Disease and Hypertension • <i>J. Quimby</i> (2:35 pm) Regenerative Medicine Approach to the Treatment of Urinary Incontinence in Female Dogs • <i>S. Vaden</i>	CCC 201
2:10–3:00 pm	Comp. Review	Epigenetics and Micro-MRNAs Modulate T-Cell Dysfunction in the FIV Model • <i>J. Fogle</i>	CCC Mile High Ballroom 2B/3B



SATURDAY, JUNE 11

Small Animal Internal Medicine (SAIM) <i>(continued)</i>			
Time	Session Type	Session Title • Speaker	Room
2:10–3:00 pm	Clinical Workshop	Infection Control in Veterinary & Human Hospitals • <i>J. Stull</i>	CCC 401/402
2:10–3:00 pm	Post Graduate Course	IMHA 101: An Update on Pathophysiology and Diagnosis • <i>O. Garden</i> <i>Sponsored by</i> IDEXX	CCC Mile High Ballroom 2C
2:10–3:00 pm	VECCS	Disorders of Osmolality: Hypo/Hypernatremia • <i>S. Istvan</i>	CCC Mile High Ballroom 2A/3A
3:10–4:00 pm	Research Report	(3:10 pm) Neutrophil Gelatinase-Associated Lipocalin Urinary Concentration in Dogs – New Proposal for the Interpretation • <i>M. Carvalho</i> (3:35 pm) Effects Of Immunosuppressive Agents On the Hemostatic System in Dogs • <i>J. Thomason</i>	CCC 201
3:10–4:00 pm	Comp. Review	Role of Canine Herpes Virus in Disease • <i>S. Kapil</i>	CCC Mile High Ballroom 2B/3B
3:10–4:00 pm	Clinical Workshop	Emerging & Endemic MDR Pathogens in the Veterinary Hospital • <i>S. Weese</i>	CCC 401/402
3:10–4:00 pm	Post Graduate Course	Immunosuppressive Therapy in Dogs and Cats: Rational Use of Established Drugs • <i>A. Mackin</i>	CCC Mile High Ballroom 2C
3:10–4:00 pm	VECCS	Fluid Overload in the Critically Ill: Consequences and Strategies for Prevention • <i>L. Sullivan</i> <i>Sponsored by</i> Dechra	CCC Mile High Ballroom 2A/3A
BREAK			
4:25–5:15 pm	Comp. Review	Current Status of Canine Parvovirus: 2 Genetic Variants in the USA • <i>S. Kapil</i>	CCC Mile High Ballroom 2B/3B
4:25–5:15 pm	Clinical Workshop	Creating a Culture of Infection Control Within the Teaching Hospital and Private Practice Setting • <i>B. Burgess, D. Spann</i>	CCC 401/402
4:25–5:15 pm	Research Report	(4:25 pm) Prevalence of Genetic Disease Variants in 100,000 Purebred and Mixed Breed Dogs • <i>H. Lohi</i> (4:50 pm) Aminoaciduria May Explain Hypoaminoacidemia in Canine Hepatocutaneous Syndrome (n=20) • <i>S. Center</i>	CCC 201
4:25–5:15 pm	Post Graduate Course	Immunosuppressive Therapy in Dogs and Cats: Recent Drug Development • <i>A. Mackin</i>	CCC Mile High Ballroom 2C
4:25–5:15 pm	VECCS	Quantitative Acid-Base Assessment • <i>B. Hansen</i>	CCC Mile High Ballroom 2A/3A
5:25–6:15 pm	Comp. Review	Recent Advances in Antiviral Therapy for Dogs and Cats • <i>S. Kapil</i>	CCC Mile High Ballroom 2B/3B
5:25–6:15 pm	Clinical Workshop	Hospital Infections and Control: Panel Discussion • <i>B. Burgess, D. Spann, J. Stull, S. Weese</i>	CCC 401/402
5:25–6:15 pm	Post Graduate Course	Immunosuppressive Therapy and Hypercoagulability • <i>J. Thomason</i>	CCC Mile High Ballroom 2C
5:25–6:15 pm	VECCS	The Chronic Medicine Patient in the ER • <i>E. Rozanski</i>	CCC Mile High Ballroom 2A/3A

SATURDAY, JUNE 11

Technician			
Time	Session Type	Session Title • Speaker	Room
8:00-8:50 am	Large Animal	Gastrointestinal Parasites of Ruminants: Treatments, Management Techniques, and Resistance • <i>M. Ackerman</i>	CCC Mile High Ballroom 4ABC
8:00-8:50 am	Neurology	Cannabinoids and Small Animal Neurology • <i>C. Weaver</i>	CCC 111/113
9:00-9:50 am	Large Animal	Keeping Calves Healthy, Keeping Calves Alive. What Can the Technician Do? • <i>I. Lorenz</i>	CCC Mile High Ballroom 4ABC
9:00-9:50 am	Neurology	Small Animal Neuro-Oncology and the Veterinary Technician • <i>M. Dolera</i>	CCC 111/113
		BREAK	
10:30-11:20 am	Large Animal	Sick Crias in the Neonatal Period • <i>C. Whitehead</i>	CCC Mile High Ballroom 4ABC
10:30-11:20 am	Neurology	Canine Degenerative Myelopathy: Perspectives on Therapeutic Approaches • <i>J. Coates</i>	CCC 111/113
11:30 am-12:20 pm	Large Animal	Emergency Medical Management of Camelids • <i>C. Cebra</i>	CCC Mile High Ballroom 4ABC
11:30 am-12:20 pm	Neurology	Canine Nutrition and Neuro Cognitive Dysfunction • <i>K. Burns</i>	CCC 111/113
		BREAK	
2:10-3:00 pm	Cardiology	Compassion Fatigue in the Veterinary Practice • <i>C. Fitzpatrick</i>	CCC 111/113
2:10-3:00 pm	SAIM	Influenza in Dogs and Cats: Role of the Veterinary Technician • <i>M. Hall</i>	CCC Mile High Ballroom 4ABC
3:10-4:00 pm	Cardiology	Nursing Care of the Hospitalized Patient in Congestive Heart Failure • <i>K. Garcia</i>	CCC 111/113
3:10-4:00 pm	SAIM	Canine Leptospirosis: More Common Than We Think • <i>R. Poulin</i>	CCC Mile High Ballroom 4ABC
		BREAK	
4:25-5:15 pm	Cardiology	Amplatz Canine Ductal Occluder: For the Treatment of Patent Ductus Arteriosus • <i>H. Niehaus</i>	CCC 111/113
4:25-5:15 pm	SAIM	Canine Fanconi Syndrome: Treatment, Management & Possible Prevention • <i>R. Poulin</i>	CCC Mile High Ballroom 4ABC
5:25-6:15 pm	Cardiology	Technician's Role in Equine ECG: Resting & Exercising • <i>G. Hallowell</i>	CCC 111/113
5:25-6:15 pm	SAIM	The Five Key Questions in Diagnostic Testing • <i>J. Allen</i>	CCC Mile High Ballroom 4ABC

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Thursday, June 9 • 9:30 am–5:00 pm & 6:00–7:30 pm | Friday, June 10 • 9:30 am–5:00 pm
Exhibit Hall F

Small Animal–Cardiology

C-22	Circulating Plasma Mirna As Novel Molecular Biomarkers in Congestive Heart Failure	<i>S. Jung</i>
C-23	A Multicenter Evaluation of Signalment and Comorbid Conditions Associated with Aortic Thrombosis in 291 Dogs	<i>R. Winter</i>
C-24	Right Ventricular Systolic Function in Dogs with Post-Capillary Pulmonary Hypertension	<i>M. Goncalves Sousa</i>
C-25	Vasovagal Tonus Index in Dogs with Myxomatous Mitral Valve Disease	<i>M. Goncalves Sousa</i>
C-26	Sick Sinus Syndrome and Sinus Node Dysfunction: Case Series Reports of FMVZ-USP Cardiology Service (2007-2015)	<i>M. Larsson</i>
C-27	The Utility of Spectral Doppler of the Hepatic Veins in Dogs with Tricuspid Regurgitation	<i>K. Nakamura</i>
C-28	Cutaneous Use of an Implantable Loop Recorder (Reveal LINQ™) for Cardiac Event Monitoring in Dogs	<i>E. Menzen</i>
C-29	Aortoseptal Angle and Response to Balloon Valvuloplasty in Dogs Affected with Severe Subaortic Stenosis	<i>L. Shen</i>
C-30	Evaluation of Pulmonary Hypertension in Cats with Cardiac Disease and Pleural Effusion Versus Pulmonary Edema	<i>M. Wilson</i>
C-31	Post-Operative Dysrhythmias After Cardiac Surgery Under Cardiopulmonary Bypass	<i>J. Lee</i>

Small Animal–Neurology

N-13	Characterization of Iatrogenic Blood Contamination on Lactate Dehydrogenase and Creatine Kinase in Canine Cerebrospinal Fluid	<i>J. Brune</i>
N-14	Outcome Comparison in Dogs with Thoracolumbar Acute Non-Compressive Nucleus Pulposus Extrusion or Fibrocartilaginous Embolic Myelopathy	<i>L. Mari</i>
N-15	Morphology of the Caudal Fossa in Mesaticephalic and Brachycephalic Cats and Associated Clinical Signs	<i>K. Marioni-Henry</i>
N-16	Diagnostic Investigation in 13 Cats with Suspected Feline Hyperesthesia Syndrome	<i>P. Amengual</i>
N-17	◆ Cystometric Characterization of Urinary Bladder Dysfunction in Chronically Paralyzed Dogs	<i>H. Hu</i>
N-18	◆ Evaluation of Kinematic Magnetic Resonance Imaging in Dogs with Osseous-Associated Cervical Spondylomyelopathy	<i>M. Provencher</i>
N-19	<i>Bartonella</i> Spp. PCR Assay Results Using Cerebrospinal Fluid of Dogs with Central Nervous System Disease	<i>L. Bartner</i>
N-20	Preictal, Postictal and Interictal Behavioral Changes in Dogs with Genetic Epilepsy Compared to Control Dogs	<i>H. Levitin</i>

Small Animal–Oncology

O-12	Evaluation of Toceranib Phosphate (Palladia®) in the Treatment of Feline Mast Cell Neoplasia: 53 Cases	<i>E. Berger</i>
O-13	Expression of P Glycoprotein (ABCB1) in Cats with T-Cell Lymphocytic Gastrointestinal Lymphoma	<i>V. de Medeiros Winkel</i>
O-14	Early Experiences with Stereotactic Radiation Therapy for the Treatment of Canine Non-Lymphomatous Nasal Tumors	<i>T. Gieger</i>
O-15	Treatment of Canine Appendicular Osteosarcoma with Amputation, Carboplatin, and Toceranib Phosphate	<i>T. Gieger</i>
O-16	Safety Assessment of a Novel Oncolytic Maraba Virus in Cats	<i>J. Woods</i>
O-17	Role of Monocyte Recruitment in Hemangiosarcoma Metastasis in Dogs (<i>VCS Award Winner</i>)	<i>D. Regan</i>
O-18	Phase I Clinical Trial of the Targeted Chemotherapeutic Drug, Folate-Tubulysin, in Dogs with Urinary Tract Transitional Cell Carcinoma (<i>VCS Award Winner</i>)	<i>N. Szigetvari</i>



RESEARCH ABSTRACT – POSTER PRESENTATIONS

Thursday, June 9 • 9:30 am–5:00 pm & 6:00–7:30 pm | Friday, June 10 • 9:30 am–5:00 pm
Exhibit Hall F

Small Animal–Endocrinology

EN-13	◆ Evaluation of Basal Cortisol Concentrations for the Diagnosis of Hypoadrenocorticism in Dogs	<i>A. Gold</i>
EN-14	◆ Thyroid Profiles in Healthy Kittens Aged Two to Sixteen Weeks of Age	<i>C. Marino</i>
EN-15	◆ Spectrophotometry and Ultracentrifugation for Measurement of Plasma Lipids in Dogs with Diabetes Mellitus	<i>E. Seage</i>
EN-16	Effect of Hydrocortisone Administration on Leptin and Adiponectin Synthesis in Healthy Dogs	<i>H. Choo</i>
EN-17	Using Purified Feline Insulin to Evaluate Cross-Reactivity with a Human Insulin Analog Elisa	<i>J. Fletcher</i>
EN-18	Steroid Hormone Panel Test and Trilostane and Melatonin Therapy in Pomeranian Dogs with Alopecia X	<i>M. Jericó</i>
EN-19	Metabolite Differences Between Senior Burmese and Non-Burmese Cats, and Associations with Measures of Glucose Metabolism	<i>M. Reeve-Johnson</i>
EN-20	A Genome-wide Association Study Identifies Novel Candidate Genes for Susceptibility to Diabetes Mellitus in DSH Cats (<i>ESVE Award Winner</i>)	<i>Y. Forcada</i>

Small Animal–Gastroenterology

GI-27	◆ Correlation Between Novel Immunohistochemical Markers, Histopathology and Clinical Scores in Cats with Chronic Enteropathy	<i>A. Manchester</i>
GI-28	Fecal D-/L-Lactate Concentrations and Abundance of Lactic Acid Bacteria in Dogs with Exocrine Pancreatic Insufficiency	<i>A. Blake</i>
GI-29	Evaluation of Serum Beta-Hydroxybutyrate Concentrations in Dogs with Chronic Enteropathies	<i>G. Esposito</i>
GI-30	Effect of Serum Creatinine on Feline Serum DGGR-Lipase and Serum Pancreatic Lipase Immunoreactivity	<i>E. Everson</i>
GI-31	Prevalence of <i>Helicobacter</i> Species and Their Association with Gastric Pathology in Dogs with Gastrointestinal Disease	<i>R. Husnik</i>
GI-32	Normal and Abnormal Findings in the Canine Gastrointestinal Tract Using Ambulatory Light-Based Imaging	<i>J. Pomrantz</i>
GI-33	Fecal α 1-Proteinase Inhibitor Concentrations in Dogs with Cardiac Disease	<i>J. Steiner</i>
GI-34	Evaluation of the Effects of Pre-Conditioning on Female Canine Adipose-Derived Mesenchymal Stem Cell Cytokine Production	<i>R. Timmons</i>

Small Animal–Hematology

HM-13	Incidence of DEA 5 in Canine Population Using Novel Canine Antisera	<i>I. McClure</i>
HM-14	Prospective Study in the Treatment of Nonregenerative Immune-Mediated Anemia in 8 Dogs	<i>K. Morishita</i>
HM-15	Validation of Rapid Thromboelastographic Analysis on Citrated and Native Whole Blood From Healthy Dogs	<i>H. Shin</i>
HM-16	Serial Evaluation of Thromboelastography and Platelet Aggregometry in Healthy Dogs	<i>S. Shropshire</i>

Small Animal–Hepatology

HP-5	Investigation of Hepatic Copper Accumulation in Dogs From Two Time Periods (1982-1988 and 2009-2015)	<i>D. Langlois</i>
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Thursday, June 9 • 9:30 am–5:00 pm & 6:00–7:30 pm | Friday, June 10 • 9:30 am–5:00 pm
Exhibit Hall F

Small Animal–Infectious Disease

ID-14	Comparative Evaluation of Five In-Clinic Rapid Tests for Feline Leukemia Virus Infection	<i>M. Beall</i>
ID-15	Detection of Giardiasis in Dogs: Comparison of Three Rapid Diagnostic Tests	<i>R. Chandrashekar</i>
ID-16	Seroprevalence of Antibodies to <i>Anaplasma phagocytophilum</i> and <i>Borrelia burgdorferi</i> in Domestic Cats	<i>J. Buch</i>
ID-17	Validation of a High-Throughput Serological Elisa Method for FELV P27 Antigen Detection	<i>J. Buch</i>
ID-18	Investigation of Whether <i>Leptospira</i> Vaccinal Antibodies React with <i>Borrelia</i> Peptides Used in a Commercial Assay	<i>A. Caress</i>
ID-19	Clinical and Laboratory Findings in Dogs with <i>Ixodes</i> -Induced Chronic <i>Anaplasma phagocytophilum</i> Infection After Prednisolone Administration	<i>E. Contreras</i>
ID-20	Serum Neutralization of Feline Caliciviruses Using Sera From Kittens Administered a Vaccine Containing Two Strains	<i>M. Lappin</i>
ID-21	Risk Factors Associated with <i>Giardia</i> and <i>Cryptosporidium</i> in Pet Dogs and Cats in the USA	<i>M. Lappin</i>
ID-22	Significant Differences in Sensitivity Levels of Rapid Tests for Antibodies to <i>Anaplasma</i> Spp. in Dogs	<i>J. Liu</i>
ID-23	Prevalence of Select Infectious Disease Agents in Client Owned Cats in Moscow, Russia	<i>K. MacMillan</i>
ID-24	<i>Coxiella burnetii</i> DNA Not Identified in Fleas From Domestic Cats in Australia and the USA	<i>A. Manchester</i>
ID-25	Risk of Heartworm Infection in Domestic Canines of Northwestern Oregon	<i>K. Miller</i>
ID-26	Ectoparasites and Vector-Borne Pathogens of Dogs in Baja California Sur	<i>C. Minor</i>
ID-27	Identifying Agreement and Barriers to Proposed Canine Infectious Disease Guidelines for Dog Group Settings	<i>J. Stull</i>
ID-28	Correlation of <i>Mycoplasma</i> Quantitative PCR to Severity of Conjunctivitis in Cats	<i>J. Veir</i>

Small Animal–Nephrology/Urology

NU-13	◆ Survey of Subcutaneous Fluid Practices in Cats with Chronic Kidney Disease	<i>C. Cooley</i>
NU-14	◆ Quantifying Urine Elimination Behaviors in Cats Using a Video Recording System	<i>R. Dulaney</i>
NU-15	Evaluation of the Effect of Urine Dip Versus Urine Drip on Multitest Strip Results	<i>A. Boag</i>
NU-16	Positive Impact of Nutritional Interventions in Client-Owned Dogs with Iris Stage-1 Chronic Kidney Disease	<i>J. Hall</i>
NU-17	Fibroblast Growth Factor 23 (FGF-23) in Dogs with Naturally Occurring Chronic Kidney Disease	<i>M. Kogika</i>
NU-18	Serum Cytokine Profiles of Cats with Idiopathic Cystitis	<i>M. Parys</i>
NU-19	Cystolith Dissolution in Cats Using a Commercially Available Diet	<i>C. Torres-Henderson</i>

Small Animal–Nutrition/Metabolism

NM-5	Determining the Lactate and Glucose Thresholds and the Acid-Base Imbalances in Beagles Dogs	<i>A. Camacho</i>
NM-6	When Fed Foods with Similar Palatability, Cats Choose 30%, Dogs 23% of Calories As Protein	<i>D. Jewell</i>
NM-7	A Double Masked Clinical Trial of a Therapeutic Food in the Management of Canine Atopy	<i>J. MacLeay</i>

◆ Indicates ACVIM Resident Research Award Eligibility.



RESEARCH ABSTRACT – POSTER PRESENTATIONS

Thursday, June 9 • 9:30 am–5:00 pm & 6:00–7:30 pm | Friday, June 10 • 9:30 am–5:00 pm
Exhibit Hall F

Small Animal–Other

OT-5	◆ Isolation and Identification of Microrna From the Mature Feline Erythrocyte: A Pilot Study	<i>K. Stewart</i>
OT-6	Effects of Sedation and Anesthesia on Canine Hematologic and Serum Biochemical Analyses During Preventive Healthcare	<i>L. McPhee</i>
OT-7	Does Fine Needle Aspiration Affect Management of Dogs with Incidental Splenic Nodules or Heterogeneous Parenchyma?	<i>I. Yankin</i>

Small Animal–Pharmacology

P-5	The Accuracy, Precision and Stability of Compounded Milbemycin Oxime in Aqueous Suspension	<i>D. Berger</i>
P-6	Pharmacokinetics of Intravenous and Subcutaneous Dolasetron and Pharmacodynamics of Subcutaneous Dolasetron in Purpose-Bred Cats	<i>A. Herndon</i>
P-7	Investigation of the Pharmacokinetics of Transdermal Ondansetron in Normal Purpose-Bred Cats	<i>L. Zajic</i>

Equine

E-42	Basal Insulin Concentrations in Competition Draft Horses	<i>H. Schott</i>
E-43	Matrix Metalloproteinase-2 and -9 Levels in Horses with Experimental Small Colon Intraluminal Obstruction	<i>K. Gravena</i>
E-44	Effects of Collagen Hydrolysates on Equine Gastric Ulcer Scores and Gastric Juice Ph in Horses	<i>M. Keowen</i>
E-45	Safety, Humoral Immune Response and Fecal Shedding of Modified-Live Bovine Coronavirus Vaccines Given to Horses	<i>J. Prutton</i>
E-46	Do Horses with Equine Metabolic Syndrome Have Reduced Immune Responses to Vaccination?	<i>S. Elzinga</i>
E-47	Immunological Comparisons of Aged Horses with Vs. without Pituitary Pars Intermedia Dysfunction	<i>M. Siard</i>
E-48	<i>Corynebacterium pseudotuberculosis</i> Antibody Detection in Horses: Synergistic Hemolysis Inhibition Test and Small Ruminant ELISA Comparison	<i>M. Barba</i>
E-49	Effects of Erythromycin on Responses Induced in Foals By Intravenous Epinephrine	<i>R. MacKay</i>
E-50	Equine Vector-Borne Diseases Determined By Serological and Molecular Methods	<i>B. Qurollo</i>
E-51	Selenium Deficiency Associated with the Deaths of Fifteen Adult Horses	<i>A. Allen</i>
E-52	Effects of Alfa-Lox Forage® on Blood Glucose and Insulin Activity After Grain Feeding in Horses	<i>F. Garza, Jr.</i>
E-53	◆ Venous Blood Gas, Electrolyte and Metabolite Findings in Healthy Neonatal Foals Receiving Sodium Lactate Infusions	<i>B. Sheahan</i>
E-54	Growth and Function of Equine Endothelial Progenitor Cells Labeled with Semiconductor Quantum Dots	<i>R. Winter</i>

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UPCOMING ACE COURSES

Oquendo Center | Las Vegas, NV

SAIM Hepatology

September 23-25, 2016

This two and a half day lecture and wet lab course is geared toward SAIM Diplomates and candidates who wish to increase their knowledge and expertise in abdominal ultrasound. Areas that will be covered include normal abdominal ultrasound anatomy and appearance, and the appearance of disease in the liver, spleen, kidneys, bladder, adrenal glands, pancreas and GI tract. Each live animal lab station will be supervised by a Board-certified veterinary radiologist. Attendance is limited due to the ratio of presenters to attendees. 19 RACE-approved CE credits offered.

Cytology for the Small Animal Internal Medicine Specialist: Skin to Viscera and Everything in Between

October 28-29, 2016

This two day lecture and microscope lab for SAIM Diplomates and candidates will cover four general categories. These include skin/subcutaneous lesions, lymph nodes, visceral organs/masses and cavity effusions. This course is limited to 24 participants (first-come, first-served), will be very interactive, and will strengthen attendees' cytopathology skills and confidence. Note that this course is not an acceptable substitute for SAIM residency training currently required for a clinical pathology rotation. 16 RACE-approved CE credits are offered.

Neuromuscular Disease

December 2-3, 2016

This two day lecture course is open to ACVIM or ECVIM Diplomates and candidates in all specialties. 16 RACE-approved CE credits are offered. Participants will observe a live electrophysiology session and a muscle and nerve biopsy on specimens during the lectures.

The aim of this course is to describe state-of-the-art diagnostic testing for the diagnosis of neuromuscular diseases including electrodiagnostic techniques, advanced pathological studies of muscle and nerve biopsies (including histochemical, immunohistochemical and ultrastructural studies), and the role of advanced imaging in neuromuscular diseases. Many neuromuscular diseases are genetic and the optimal use and role of genetic testing will be covered. Since treatments are not available for many of these diseases, current recommendations for establishment of clinical trials will be discussed. At the end of this course the attendee should be comfortable with the diagnostic methods available for neuromuscular diseases and the road ahead for establishment of new therapies.

More details, registration information, and schedules can be found at www.ACVM.org under the Education and Events tab.

CLARO™

(florfenicol, terbinafine, mometasone 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 15.0 mg/mL florfenicol, 13.3 mg/mL terbinafine (equivalent to 15.0 mg/mL terbinafine hydrochloride) and 2.0 mg/mL mometasone 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*).

DOSAGE 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 mometasone 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 mometasone 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 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 1-800-422-9874.

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 mometasone 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. Mometasone 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 mometasone 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 pre-treatment and 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/sex/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 adrenal 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 10°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.

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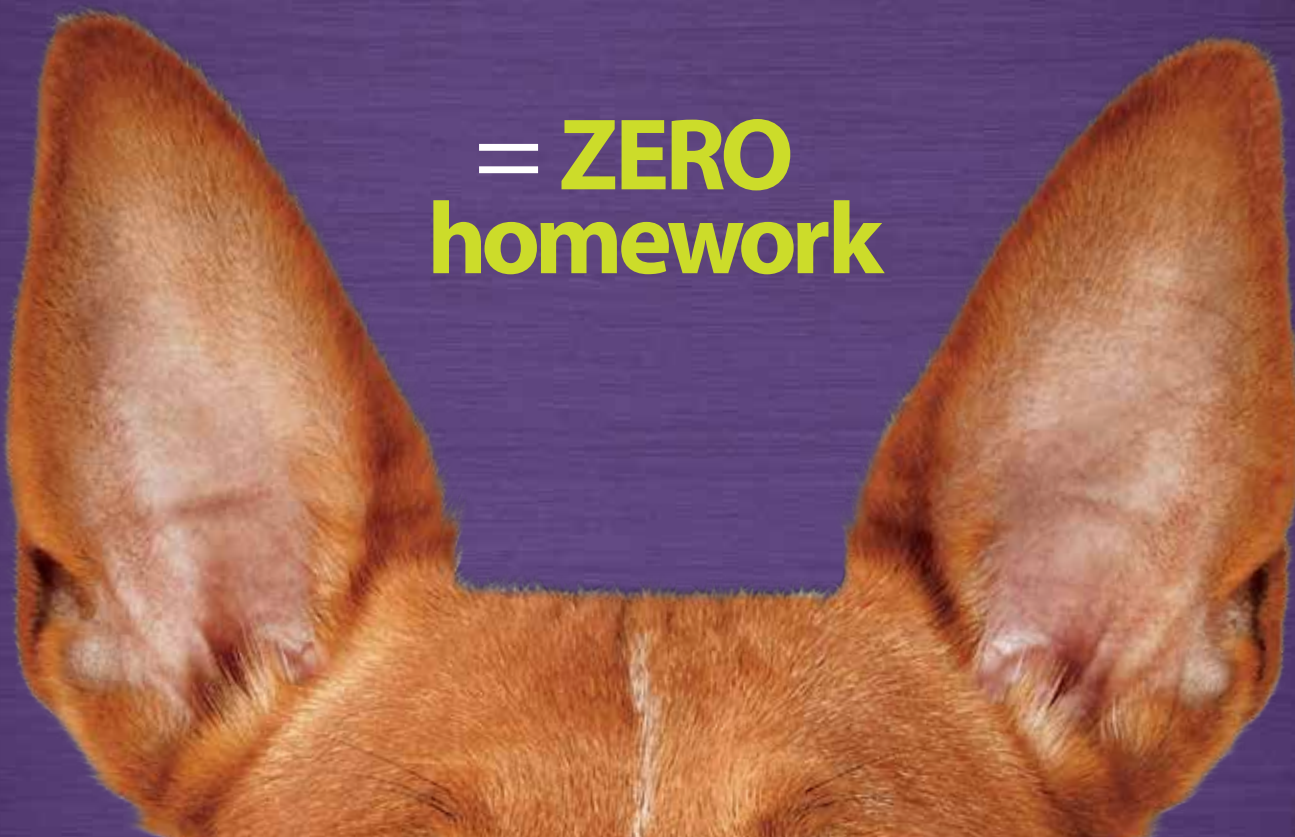
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3 active ingredients + 2 ears + 1-dose regimen

**= ZERO
homework**



Introducing

CLARO™

(florfenicol, terbinafine, mometasone furoate)
Otic Solution

the **only veterinarian-administered,
single-dose regimen** for canine otitis externa.

CAUTION: Federal (U.S.A.) law restricts this drug to use by or on the order of a licensed veterinarian. CONTRAINDICATIONS: Do not use in dogs with known tympanic membrane perforation. CLARO™ is contraindicated in dogs with known or suspected hypersensitivity to florfenicol, terbinafine hydrochloride, or mometasone furoate.

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