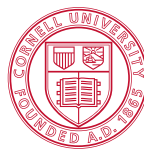




NEW YORK STATE FALL VETERINARY CONFERENCE

OCTOBER 5–7, 2018
CORNELL UNIVERSITY | ITHACA, NY

HOSTED BY



Cornell University
College of Veterinary Medicine

ON-SITE PROGRAM

NYS-VC FALL 2018 PLANNING COMMITTEE



Surinder Wadyal, DVM | President, NYSVMS

Margret Thompson, DVM, DACVR | Director, Cornell University Hospital for Animals | Past President, NYSVMS

Susan Wylegala, DVM | Past President, NYSVMS | Co-Chair, Conference Committee

Rene van Ee, DVM, DACVS | Past President, NYSVMS

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Bridget M. Barry, DVM

Deirdre Chiaramonte, DVM

Rebecca Goodale, DVM

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Lauren Kleine, DVM

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Cornell University
College of Veterinary Medicine

Jodi A. Korich, DVM | Associate Dean for Education

Katelyn R. Carney, DVM, DACVIM (LAIM) | Co-Chair, Conference Committee

Elizabeth Berliner, MA, DVM, DABVP (shelter medicine, canine & feline practice) | Faculty Representative

Thomas Divers, DVM, DACVIM, DACVECC | Director, Equine Track

Norm Ducharme, DMV, MSc, DACVS | Director, Equine Track

Nadine Fiani, BVSc, DACVD | Faculty Representative

Erin Goodrich, DVM, DACVPM | Director, Bovine Track

Pati Kirch, LVT | Director, Veterinary Technician Track

Gillian A. Perkins, DVM, DACVIM (LAIM) | Faculty Representative

Mary C. Smith, DVM, DACT | Director, Camelid/Small Ruminant Track



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NEW YORK STATE VETERINARY MEDICAL SOCIETY

300 Great Oaks Blvd., Suite 314
Albany, NY 12203
(800) 876-9867
(518) 869-7867
Fax: (518) 869-7868
staff@nysvms.org
www.NYSVMS.org

CORNELL UNIVERSITY COLLEGE OF VETERINARY MEDICINE

Office of Continuing Education
S3-105 Schurman Hall, Box 52
Ithaca, NY 14853-6401
(607) 253-3201
Fax: (607) 253-3198
cuvetce@cornell.edu
www.vet.cornell.edu

WELCOME TO THE 11TH ANNUAL NEW YORK STATE VETERINARY CONFERENCE!

Once again Cornell University College of Veterinary Medicine and New York State Veterinary Medical Society have partnered up to present the 2018 New York State Veterinary Conference offering up to 22 CE credits per person. This year's conference includes new interactive case studies and hands-on labs with a diversity of species tracks-something for everyone!

This year's theme is Engage • Apply • Excel. We have brought the science of learning to continuing education, working with our presenters to introduce some small changes that will have a big impact on your educational experience.

We are also offering several Intense Focus Sessions that will not only provide a more in-depth and interactive look at the subject matter, but will also give you the time and space to reflect on how it relates to your practice and daily work. We aim to provide an educational experience with content you are ready to apply as soon as you return to work. We are grateful to all of the speakers who travelled near and far to present a wide array of cutting edge research and topics.

We hope you join us for two unique evening events. Friday's event is the Taste of the Finger Lakes Welcome Reception and the Fish Bowl & Trivia Night with exhibitors & students. NYSVMS and the Cornell Veterinary Alumni Association will host the Celebration Awards Dinner on Saturday at a brand new location, The Cornell Lab of Ornithology. For a full list of the award recipients, go to page 11.

Be sure to visit our exhibitors to check out the latest products and services during breakfast, breaks, lunches and the Friday evening event. For exhibitor company descriptions go to pages 21-25.

And don't forget to attend the annual tradition: the DeeDee Arrison Concert for the Animals.

Thank you to all of our sponsors! This event would not be possible without your support. Enjoy your time here in Ithaca!

NYS-VC Conference Committee

THANK YOU NYS-VC FALL 2018 SPONSORS

PLATINUM SPONSORS



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Chester Hartenstein DVM '45 Memorial Lecture Series

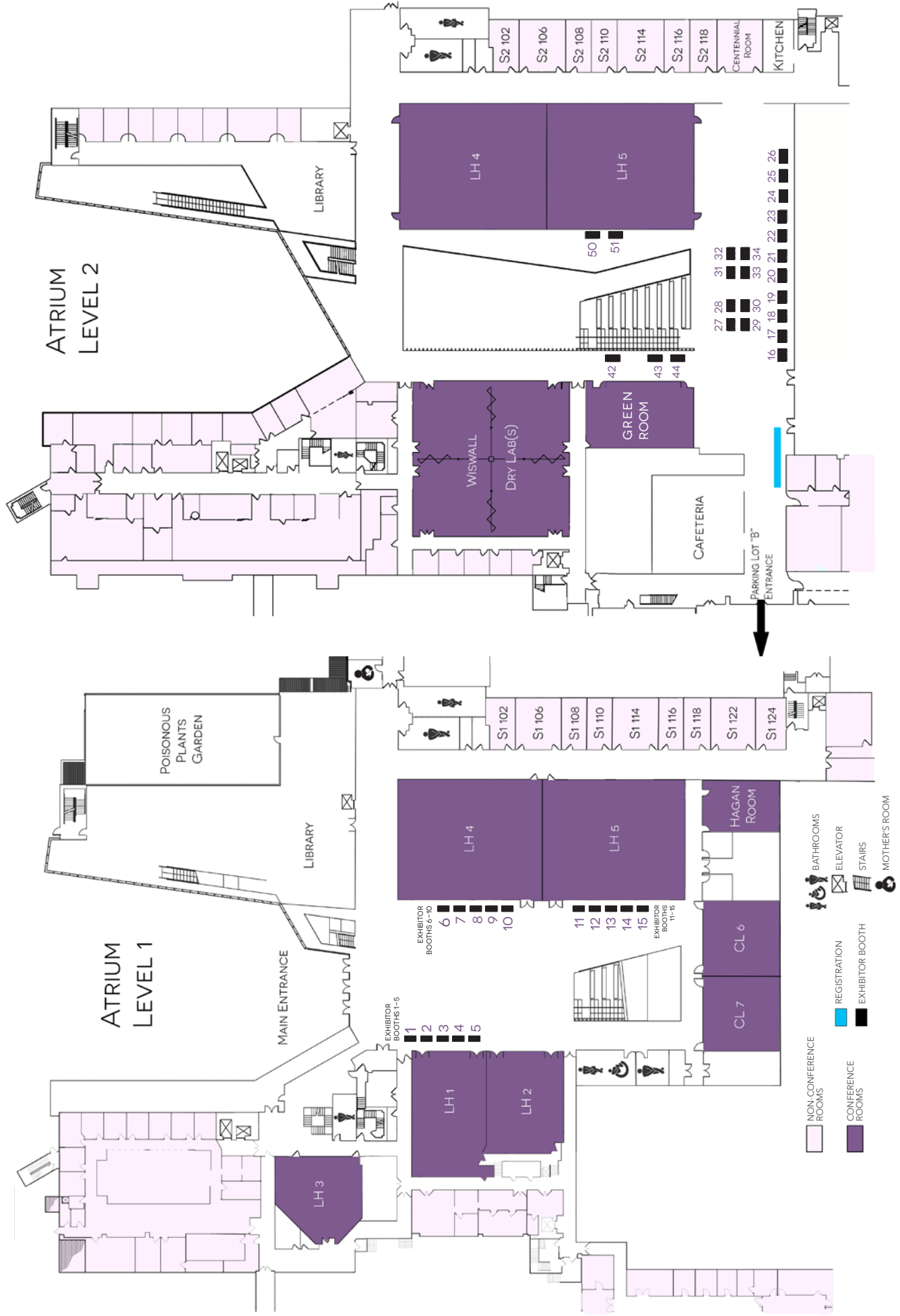
DeeDee Arrison Holistic & Integrative Wellness Series

Good Ol' Dog and Cat Fund for Geriatric Medicine

Ice Horse

John W. Whitefield '65 Surgical Short Course

EXHIBITS AND FLOOR PLAN



INTERACTIVE SESSIONS

- Panel on the Pearls: Feline Diabetes Diagnosis, Treatment, Prevention and Communication. This extended and interactive session will feature clinicians with a breadth of clinical experiences discussing key points and current research on feline diabetes. Topics covered will include developing therapeutic plans and how to manage the challenges associated with implementing them; diagnosis and initial stabilization of a DKA patient, and how to differentiate a DKA patient that can be managed in-house versus one that needs to be referred; differentiating apparent from true insulin resistance; prognostic factors for achieving diabetic remission, and how to manage cats entering remission and long term management; and new options for treatment and management of the diabetic cat.
- Ashley Saunders, DVM, DACVIM (Cardiology) will lead interactive case studies that give attendees the opportunity to integrate knowledge from different aspects of veterinary medicine. She also will present Murmur Learner, a unique and interactive learning module with audio, visual and animation components to explain murmurs and arrhythmias. Space is limited, please check with the registration desk about availability.
- Beth Boudreau, DVM, PhD, DACVIM (Neurology), will bring some of the Games for Learning she has developed. Preceded by lectures that introduce the topics, these games give attendees the opportunity to practice using knowledge they have acquired and receive feedback along the way.

PAIN MANAGEMENT & REHABILITATION TRACK

Designed to address many of the common issues you see every week, this track will cover many topics, from improving your awareness on how rehabilitation can benefit your patients and clients, to updates on the evidence behind the tools you may already have in your practice, to managing neuropathic and feline osteoarthritic pain. We are also excited to bring you sessions on amputations and prosthetics and interventional pain management.

DEEDEE ARRISON HOLISTIC AND INTEGRATIVE WELLNESS SERIES

The topic of this year's Series is cannabidiol in veterinary medicine. Robert Silver, DVM, MS, will start off the track with two sessions on the mechanisms of action, potential veterinary clinical applications and recently completed veterinary studies on medical cannabis. Jack Henion, PhD, will continue the track with clinically relevant research reports analyzing the potency and purity of several veterinary cannabinoid products. Legal implications for cannabidiol use in veterinary medicine will also be discussed.

FAST ULTRASOUNDS

Are you familiar with FAST (Focused Assessment with Sonography for Trauma) Ultrasound? This point-of-care imaging tool was first used in human medicine as a triage and post-interventional screening tool, but it is now used in both human and veterinary medicine for triage, tracking and as an extension of the physical examination. Greg Lisciandro, DVM, DABVP, DACVECC, pioneered this technique in veterinary medicine and is a leading educator in its use.

LEADERSHIP TRACK

Whether your clinical career is primarily small animal, large animal or mixed, whether you have been working in the field for years or are just getting started, the Leadership Track for veterinarians and vet techs has something for you. Led by Betsy Charles, DVM, MA, topics explore the skillset needed by leaders, the issues around compassion fatigue, burnout, and the expectancy of perfection. Several intense focus sessions give you the opportunity to reflect on how these subjects affect you, and will provide guidance in finding ways to address them in your everyday practice. Take home new skills, perspectives and knowledge to advance your career to the next level.

EDUCATION HIGHLIGHTS

CLINICAL INVESTIGATOR'S DAY

Friday | 8:00 am – 4:30 pm | Lecture Hall 3

This yearly CVM-sponsored event highlights clinically relevant research being performed in the College while offering participants free NYS continuing education credit. *(See full schedule on page 13)*

BUSINESS HIGHLIGHT

NYSVMS ANNUAL BUSINESS MEETING

NYSVMS members receive a complimentary breakfast at the Annual Business Meeting. Every NYSVMS member who attends will be entered into a drawing to receive a one-year membership to NYSVMS - free dues for 2019! **You must be present to win.** If you have not registered, stop at registration for your breakfast ticket.

Sunday | 7:30 – 8:45 am | Green Room S2-223

DINNER AND DRINKS WITH MONARCH

Selling Your Practice or Buying a Practice - Join Monarch Business Consulting for an informative update on the market for veterinary practice sales, present valuations and the opportunities available for veterinarians to purchase a practice. RSVP to monarchbc@gmail.com or stop by our booth for invite. Space is limited. **Free dinner and drinks provided.**

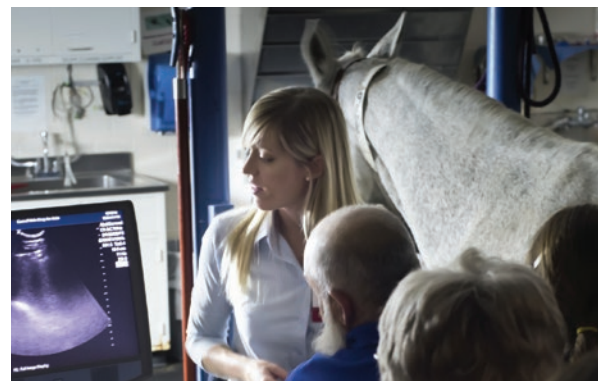
Friday | 7:00 - 9:00 pm | Classroom 6

SUNRISE WITH SIMMONS: PRACTICE TRANSITION BREAKFAST

Join Simmons New York for a breakfast discussion to learn about the reality of today's volatile and competitive marketplace for buying and selling veterinary clinics. We'll cover corporate consolidation and the remaining space for the individual owner/operator.

Free, hot breakfast provided.

Saturday | 7:00 - 8:00 am | Green Room S2-223



SOCIAL HIGHLIGHTS



WELCOME RECEPTION

Friday | 5:00 – 7:00 pm

Join us for a Taste of the Finger Lakes on Friday evening. Local producers will guide you on how to enjoy pairings, as well as share with you their passion for making beer, wine, cider, cheese, bread, and more. This is the perfect opportunity to mingle with colleagues, students, and exhibitors. Feeling shy? There will be Fish Bowls full of easy conversation starters available on the cocktail tables. Feeling competitive? Sign up for trivia at 6 PM in the Green Room, and win prizes!

CELEBRATION DINNER

Saturday | 6:30 – 10:30 pm

The NYS Veterinary Medical Society and Cornell Veterinary Alumni Association invite you to celebrate award recipients at the Cornell Lab of Ornithology. Transportation to this event will be provided. After cocktails and a buffet dinner catered by Serendipity, multiple awards including the Daniel Elmer Salmon Award for Distinguished Alumni Service, the NYSVMS Outstanding Service Award, and the NYS-VC Outstanding Speaker Award will be presented. The ceremony will be followed by dancing in a dedicated ballroom. Enjoy socializing with friends & colleagues as you dance the night away! *Separate fee of \$95. Check with registration for availability.*

CORNELL SMALL ANIMAL COMMUNITY PRACTICE DEDICATION

Friday | 12:30 pm | Tour Schedule: 1:00 pm, 2:00 pm, 3:10 pm, 4:10 pm

The Cornell University Hospital for Animals invites all to the dedication of its new stand-alone Cornell Small Animal Community Practice. The state-of-the-art building is an innovative teaching facility for DVM students and a community resource for companion animal primary care and wellness visits. You will have an opportunity to hear from current and past members of the practice over a buffet lunch, followed by tours. Please sign up for the tours at the registration desk.

DEEDEE ARRISON CONCERT

Saturday | 4:30 pm | LH 4 & 5

The DeeDee Arrison Concert for the Animals is a one hour concert featuring distinguished violinists, Tim Fain and Francisco Fullana, accompanied by Grammy Award nominated pianist Robert Koenig. This concert honors our animals and well-socialized pets are welcome to attend. Cornell University extends its gratitude to Clement and Karen Arrison for their sponsorship of this annual performance.

REGISTRATION INFORMATION

REGISTRATION DESK HOURS

| | |
|---------------------|-------------------|
| Thursday, October 4 | 5:00 pm - 8:00 pm |
| Friday, October 5 | 7:00 am - 5:00 pm |
| Saturday, October 6 | 6:00 am - 5:00 pm |
| Sunday, October 7 | 7:30 am - 2:00 pm |

Full conference registration includes lectures, selected labs, online proceedings, and USB drive, exhibits, welcome reception, and all conference meals and breaks on Friday, Saturday and Sunday. Celebration Dinner is an additional fee of \$95. Check registration for availability.

Spouse and guest registration includes refreshment breaks, breakfasts and admittance to the exhibits. Not included are admittance to lectures, labs, lunches or evening events. Lunches may be purchased for guests for an additional fee. Veterinarians and veterinary technicians may not register as guests.

Conference parking Parking will require a permit on Friday, October 5th, 2018. Parking is free on Thursday after 5 PM and on Saturday and Sunday.

Paying for parking has been made easy with Parkmobile. Payment is made through the Parkmobile app on your smartphone or parkmobile.com online. You can also call to pay over the phone if you do not have a smartphone. Look for the green Parkmobile signs on the light poles in the B lot (4115 on the campus parking map) and follow the instructions. Your rate for the full day is \$7.

We will also have physical parking passes available for \$10 at the registration desk. Paper Permits are limited, and we may run out.

Conference Proceedings Proceedings have been made available online. An email was sent to all registrants to the email they used to register. If you have not received the email, please stop by the registration desk or send an email to CUVETCE@Cornell.edu. All attendees will also receive a complimentary flash-drive from the registration desk. Printed copies of the proceedings will not be available.

Exhibits We encourage registrants to stop by the exhibit areas and learn more about our sponsors and vendors. Their partnerships help keep attendance fees affordable and ensure that conference participants have access to the latest technology and the best speakers.

EXHIBITS WILL BE OPEN AT THE FOLLOWING TIMES:

Friday, October 5 | 7:00 am-7:00 pm

Saturday, October 6 | 7:00 am-5:30 pm

Sunday, October 7 | 8:00 am-2:00 pm



AWARD RECIPIENTS

Please congratulate the following 2018 award winners at the Celebration Dinner on **Saturday, October 6** from 6:30 – 10:30 pm at the Cornell Lab of Ornithology.

Daniel Elmer Salmon Award for Distinguished Alumni Service
N. Bruce Haynes, DVM (*posthumously*)

This award recognizes and honors Cornell University College of Veterinary Medicine DVM graduates who have distinguished themselves in service to the profession, their communities, or the College.

Distinguished Life Service Award
Ian Wetherly, DVM

This is the highest honor to be conferred upon a member of the NYSVMS. It honors an individual of the highest caliber in the profession; one who has been a good and faithful NYSVMS member for a period of at least 35 years and has actively and fully partaken in Society activities.

NYS-VC 2018 Outstanding Speaker Awards
William H. Miller Jr., VMD, DACVD
Julia Miller, DVM

This annual award recognizes a Cornell Faculty or New York State Veterinary Medical Society member for his or her outstanding contribution to the continuing education of the veterinary community as voted by New York State Veterinary Conference attendees.

Outstanding Service to Veterinary Medicine
Stephanie West, DVM

This award honors an individual who through his/her efforts in education, research, practice, or some veterinary-related occupation significantly contributed to the advancement and improvement of veterinary medicine in New York State. This individual need not have been active in organized veterinary medicine and need not be a veterinarian.



CONTINUING EDUCATION INFORMATION

The Fall NYS-VC offers over 130 hours of continuing education over three days, for a maximum of 22 CE credits per any one person. The breakdown of hours per day are as follows: Friday - 8; Saturday - 8; and Sunday - 6.

New York State Continuing Education Credit

The NYSVMS and Cornell University College of Veterinary Medicine are approved New York State continuing education sponsors. Veterinary technicians may only receive CE credit for classes that are within their scope of practice as defined by the NYS Board for Veterinary Medicine. Please refer to the color coding on the grid to identify which sessions grant CE credits to veterinarians, veterinary technicians, or to both.

Registry of Approved Continuing Education Credit (RACE)

This conference has been submitted (approval pending) for 22 hours of continuing education credit in jurisdictions that recognize AAVSB RACE approval. However, participants should be aware that some state veterinary boards have limitations on the number of hours accepted in certain categories and/or restrictions on methods of delivery of continuing education.

Continuing Education Certificate Procedure for NYS and RACE

Verify your attendance at the conference by signing in at the registration desk when you pick up your badge and conference materials. You will only need to sign in once. The Certificate of Attendance will be emailed (or mailed by request) after the conference. If you are selected for a random audit by the NYS Board for Veterinary Medicine, this will serve as proof that you satisfied the mandatory continuing education requirements. Each individual is responsible for noting down which sessions they attended and for maintaining personal records of continuing education for six years from the date of the course.

For further information, please contact the CVM Office of Continuing Education at 607-253-3201.

CONFERENCE INFORMATION

Safety If any session becomes overcrowded, the NYS-VC must adhere to fire laws and limit attendance. Registrants are encouraged to arrive early to sessions. Please wear your name tag at all times.

Mobile Phone Policy Please turn OFF the sound on your cell phone and other wireless devices during lectures, laboratories, Welcome Reception, Celebration awards ceremony and dinner, and the NYSVMS Annual Business Meeting.

Wireless Connection Please visit www.it.cornell.edu/services/wifi/visitor/ for wireless options.

Breakfast, Lunch and Break Refreshments will be served in the exhibit area. Badges must be shown.

New York State Veterinary Conference

CONTINUING EDUCATION CLASSES

CLINICAL INVESTIGATOR'S DAY

Friday, October 5, 2018 | Lecture Hall 3

8:00-8:25 am | Breakfast

8:25-8:30 am | Welcome/Intro

8:30-9:00 am | Keynote: Jessica McArt: "Being a mom is hard: calcium demands of early lactation dairy cows"

9:00-10:30 am | Resident Presentations

- 9:00-9:15 | Yike Bing: "Use of novel DNA damage response inhibitors to overcome chemoresistance in feline solid tumors"
- 9:15-9:30 | José Daniel Cruz Otero: "The role of high-density lipoproteins (HDL) in modulating neutrophil activation during the transition period in cows"
- 9:30-9:45 | Joshua Henry: "Anticancer effects of cannabidiol (CBD) – in vitro results of CBD on proliferation and death of canine neoplastic cell lines"
- 9:45-10:00 | Phillip Mick: "Assessment of Vitamin D Metabolites and Serum Cytokines in Dogs with Immune Mediated Disease"
- 10:00-10:15 | Hunter Kim: "Evaluation of Arsenic, Cadmium, Lead and Mercury Contamination in Over-the-counter Available Dry Dog Foods with Different Ingredients (Red Meat, Poultry and Fish)"
- 10:15-10:30 | Jennifer Prieto: "Biological Variation of Symmetric Dimethylarginine and Other Biochemical Analytes in Clinically Healthy Cats"

10:30 - 10:45 am | Break

10:45 am -12:00 pm | Resident Presentations

- 10:45-11:00 | Pia Martiny: "Blood and effusion biomarker concentrations aid differentiation of types of peritoneal effusion in dogs"
- 11:00-11:15 | Luis Macho: "Clinical, clinicopathologic, and hepatic histologic features associated with suspected ketoconazole hepatotoxicity in 9 dogs"
- 11:15-11:30 | Rachael Labitt: "Validating the use of a smartphone-based noninvasive electrocardiogram in mice"
- 11:30-11:45 | Melissa Fenn: "Agreement of Equine Stall-Side and Laboratory Major Cross Match Test in Healthy Horses"
- 11:45-12:00 | Barbara Delvescovo: "Bile acids as prognostic indicator for horses with liver disease: a retrospective study"

12:00- 12:45 pm | Lunch

12:45-2:30 pm | Resident Presentations

- 12:45-1:00 | Nathaniel Kollias: "Ethanol Injected Intracoelomically as a Novel Method of Euthanasia in Zebra Finches (Taeniopygia guttata) and Chickens (Gallus gallus domesticus)"
- 1:00-1:15 | Kevin Ng: "Dens Invaginatus In Dogs – A Case Of Mistaken Identity?"
- 1:15-1:30 | Jennifer Poplarski: "Dietary And Management Risk Factors For Injury In Agility Dogs"
- 1:30-1:45 | Renato Rossi: "Evaluation of on-farm microbiology techniques for detection of pathogens in milk"
- 1:45-2:00 | Sarah Robbins: "Evaluation of antimicrobial administration in critically ill dogs on the fecal flora: Dynamics of antimicrobial resistance over time"
- 2:00-2:15 | Iarski Roman: "Epidemiological investigation of orofacial clefts in purebred dogs"
- 2:15-2:30 | Jessica Wallis: "An analysis of medical error type and severity in veterinary hospitals through the use of an incident reporting system"

2:30 - 2:45 pm | Break

2:45-4:30 pm | Resident Presentations: Proposals

- 2:45-3:00 | Christophe Bourguignon: "QT restitution in boxers with ARVC: Relationship to arrhythmia vulnerability and treatment response"
- 3:00-3:15 | Erica Feldman: Assessing the Effects of Cisapride and Buprenorphine on Gastrointestinal Transit Time in Rabbits
- 3:15-3:30 | Lauren Luedke: "Proximal sesamoid bone microdamage and fracture toughness in Thoroughbred racehorses"
- 3:30-3:45 | Janis Lapsley: "Indirect computed tomographic lymphography (ICTL) for sentinel lymph node mapping in a cohort of dogs with cutaneous mast cell tumor- technique development and effect on peri-operative decision making and post-operative treatment/monitoring recommendations"
- 3:45-4:00 | Ileana Miranda: "SOX2 expression in canine malignancies"

4:00-4:45 pm | Keynote: Gerlinde Van de Walle: "Equine mesenchymal stem cells in veterinary medicine: prospects and challenges"

5:00 pm | Awards in LH3

5:30 pm | Reception in Atrium

*RACE & NYS approved for DVMs and LVTs. All other sessions approved for NYS credit only for DVMs and LVTs.

New York State Veterinary Conference

CONTINUING EDUCATION CLASSES

FRIDAY October 5, 2018

■ = Approved Credit for Veterinarians Only. ■ = Approved Credit for Veterinary Technicians Only.
□ = Approved Credit for Veterinarians and Veterinary Technicians. ■ = Sponsored Tracks.

| Equine Track UPDATES IN EQUINE NEUROLOGY - BOEHRINGER INGELHEIM Classroom 7 (or as noted below) | | Bovine Track Hagan Room | Companion Animal Track JOHN W. WHITEFIELD '65 SURGICAL SHORT COURSE Lecture Hall 4 | Companion Animal Track Lecture Hall 1 (or as noted below) |
|--|---|---|--|---|
| 7:00 - 8:00 am Continental Breakfast and Registration | | | | |
| 8:00 - 8:50 am | Cervical Vertebral Myelopathy: from etiology to rehabilitation Steve Reed, DVM, DACVIM (LAIM) | Food Armor® Phase I Training: Building HACCP-based Health Management Plans for Dairy Farms Katie Mrdutt, DVM (full day session) | Diagnosing Feline GI Disease: Setting Yourself Up For Success Craig Webb, DVM, PhD, DACVIM (SAIM) | Tumors and Parasites – Common Diseases of Poultry Jarra Jagne, DVM, DACPV |
| 9:00 - 9:50 am | EPM Updates Steve Reed, DVM, DACVIM (LAIM) | | Feline Nutrition: Getting Nutrition into a Cat Craig Webb, DVM, PhD, DACVIM (SAIM) | Diagnostic Approach for the Pet Chicken Jarra Jagne, DVM, DACPV |
| 9:50 - 10:10 am Break with Exhibitors | | | | |
| 10:10 - 11:10 am | How Panicked Should I Be? The Ataxic, Febrile Horse Amy Johnson, DVM, DACVIM (LAIM & Neurology) | | Feline Constipation: Getting Crap Out of a Cat Craig Webb, DVM, PhD, DACVIM (SAIM) | Treatment and Vaccination of Chickens – Truth and Fiction Jarra Jagne, DVM, DACPV |
| 11:10 am - 12:00 pm | In Honor of Dr. D: Equine Neurology Through Video Case Studies Amy Johnson, DVM, DACVIM (LAIM & Neurology) | | Feline Triaditis: Fact or Philosophy Craig Webb, DVM, PhD, DACVIM (SAIM) | Educating your Clients About Zoonoses and Foodborne Diseases in Backyard Poultry Jarra Jagne, DVM, DACPV |
| 12:00 - 1:00 pm Lunch • 12:30 pm Small Animal Community Practice Dedication | | | | |
| 1:00 - 1:50 pm | Neurologic or Orthopedic? Unraveling Equine Gait Analysis Steve Reed, DVM, DACVIM (LAIM) and Amy Johnson, DVM, DACVIM (LAIM & Neurology) Wiswall Dry Lab | | Feline GI Biopsy Techniques and Surgical Options for Megacolon Janis M. Lapsley, DVM | Backyard Chicken Lab: Exam, Restraint, Sampling Jarra Jagne, DVM, DACPV and Elizabeth Buckles, DVM, PhD, DACVP (Pre-registration required) Located in the Clinical Skills Lab |
| 2:00 - 2:50 pm | | | Fecal Transplantation: What's Coming Down the Pipeline Craig Webb, DVM, PhD, DACVIM (SAIM) | Backyard Chicken Lab: Necropsy and Tissue Collection Jarra Jagne, DVM, DACPV and Elizabeth Buckles, DVM, PhD, DACVP (Pre-registration required) Located in the Clinical Skills Lab |
| 2:50 - 3:10 pm Break with Exhibitors | | | | |
| 3:10 - 4:00 pm | The Meaning of it All: How to Interpret Neurodiagnostics Amy Johnson, DVM, DACVIM (LAIM & Neurology) and Steve Reed, DVM, DACVIM (LAIM) Wiswall Dry Lab | | Failed GI Disease: Diagnostic Dilemmas and Failed Therapy Craig Webb, DVM, PhD, DACVIM (SAIM) | Backyard Chicken Lab: Exam, Restraint, Sampling Jarra Jagne, DVM, DACPV and Elizabeth Buckles, DVM, PhD, DACVP (Pre-registration required) Located in the Clinical Skills Lab |
| 4:10 - 5:00 pm | | | Enteric Pathogens and the Truth About Raw Diets Laura Goodman, PhD and Anil Thachil, DVM, PhD, DACVM | Backyard Chicken Lab: Necropsy and Tissue Collection (Repeat) Jarra Jagne, DVM, DACPV and Elizabeth Buckles, DVM, PhD, DACVP (Pre-registration required) Located in the Clinical Skills Lab |
| 5:00 - 7:00 pm Welcome Reception with students & exhibitors: Taste of the Finger Lakes & Fish Bowl. Trivia at 6pm in the Green Room. | | | | |

New York State Veterinary Conference

CONTINUING EDUCATION CLASSES

FRIDAY October 5, 2018

| Companion Animal Track GOOD OL' DOG AND CAT FUND FOR GERIATRIC MEDICINE Lecture Hall 5 | | Veterinarian and Veterinary Technician Track Lecture Hall 2 | |
|---|--|--|--|
| 7:00 - 8:00 am Continental Breakfast and Registration | | | |
| 8:00 - 8:50 am | What Sports Medicine and Rehabilitative Services Provide for Your Patients and Clients Christopher Frye, DVM, DACVSMR | Lead Like a Boss Betsy Charles, DVM, MA | |
| 9:00 - 9:50 am | Modalities in Veterinary Rehabilitation: Toys or Tools? An evidence-based approach Christopher Frye, DVM, DACVSMR | I'm Too Busy to Know My Why Betsy Charles, DVM, MA | |
| 9:50 - 10:10 am Break with Exhibitors | | | |
| 10:10 - 11:10 am | Identifying and Managing Dysfunction and Pain Associated with Feline Osteoarthritis Christopher Frye, DVM, DACVSMR and Jordyn Boesch, DVM, DACVAA | Self-Awareness: Intense Focus Session Betsy Charles, DVM, MA | |
| 11:10am - 12:00 pm | | | |
| 12:00 - 1:00 pm Lunch • 12:30 pm Small Animal Community Practice Dedication | | | |
| 1:00 - 1:50 pm | Managing Amputation Pain and Other Sources of Neuropathic Pain Jordyn Boesch, DVM, DACVAA | Cracking the Perfectionism Code Betsy Charles, DVM, MA | |
| 2:00 - 2:50 pm | Veterinary Prosthetics: Who, What, When, Why, and How? Christopher Frye, DVM, DACVSMR | Vulnerability is Weakness: The Myth Keeping Vet Med In the Dark Ages Betsy Charles, DVM, MA | |
| 2:50 - 3:10 pm Break with Exhibitors | | | |
| 3:10 - 4:00 pm | Common Canine Muscle-Tendon Injuries and Their Treatments Christopher Frye, DVM, DACVSMR | Leadership as Influence: Intense Focus Session Betsy Charles, DVM, MA | |
| 4:10 - 5:00 pm | Joint Supplements: What is the Evidence? Christopher Frye, DVM, DACVSMR | | |

ENDOWED SPONSORSHIPS AT NYS-VC FALL 2018

DeeDee Arrison Holistic and Integrative Medicine Seminar Series

Endowed in 2010 by Karen and Clement Arrison in memory of their beloved ten-year old Briard, the seminar series strives to strengthen our understanding of integrative medicine, which brings together the best of holistic and traditional medicine. This year, the focus of the series is on cannabidiol in veterinary medicine with topics ranging from clinical experience in Colorado to hot-off-the-press research from Cornell.

John W. Whitefield '65 Surgical Short Course

Established through a bequest from one of John Whitefield's clients Barbara Herndon, the John W. Whitefield '65 Surgical Short Course is taught by the senior Cornell small animal surgical resident. This year Dr. Janis Lapsley presents surgical aspects of feline gastrointestinal disease.

Chester Hartenstein DVM '45 Memorial Lectures

Established in 2005, this memorial to Dr. Hartenstein, a mixed animal practitioner for 32 years, provides support for annual lectures that focus on neurological diseases in veterinary patients. This year Dr. Beth Boudreau presents her innovative Games for Learning on a variety of neurological conditions and diagnostic dilemmas.

Good Ol' Dog and Cat Fund for Geriatric Medicine

Cornell alumna Helen Blohm created the Fund to support the teaching of geriatric and palliative medicine for Cornell veterinary students and practicing veterinarians. This year, Drs. Chris Frye and Jordan Boesch present a range of topics on rehabilitative medicine and pain management.

New York State Veterinary Conference

CONTINUING EDUCATION CLASSES

SATURDAY October 6, 2018

| | Equine Track ICE HORSE <i>Classroom 7 (or as noted below)</i> | Bovine Track <i>Hagan Room</i> | Small Ruminant Track <i>Lecture Hall 3</i> | Companion Animal Track CHESTER HARTENSTEIN DVM '45 MEMORIAL LECTURE SERIES <i>Lecture Hall 2 (or as noted below)</i> |
|---|--|--|---|--|
| 6:00 - 8:00 am Breakfast and Registration | | | | |
| 7:00 - 7:50 am | Equine News Hours Thomas Divers, DVM, DACVIM (LAIM), DACVECC and Norm Ducharme, DMV, MSc, DACVS | Food Armor® Phase II Training: Becoming a Food Armor Accredited Veterinarian Katie Mrdutt, DVM <i>(full day session - completion of Phase I required)</i> | | Interactive Cardiology Case Studies 1 Ashley Saunders, DVM, DACVIM (Cardiology) <i>(Pre-registration required; check at registration desk for availability)</i> |
| 8:00 - 8:50 am | Unraveling the Fake Science from the Real Science in Laminitis! James Orsini, DVM, DACVS | | Tips and Tricks for Small Ruminant Ambulatory Practice David VanMetre, DVM, DACVIM (LAIM) | |
| 8:50 - 9:10 am Break with the Exhibitors | | | | |
| 9:10 - 10:00 am | Some like it COLD Some Like it HOT – Evidence Based Treatments for Laminitis James Orsini, DVM, DACVS | | Challenging Small Ruminant Cases David VanMetre, DVM, DACVIM (LAIM) | Interactive Cardiology Case Studies 2 Ashley Saunders, DVM, DACVIM (Cardiology) <i>(Pre-registration required; check at registration desk for availability)</i> |
| 10:10 am - 11:00 am | Tips on Getting the Most Value Out of Advanced Imaging in Lameness Diagnostics John Pigott, DVM, MS, DACVS | | Working Up the Thin Small Ruminant David VanMetre, DVM, DACVIM (LAIM) | |
| 11:00 - 12:00 pm Lunch with the Exhibitors | | | | |
| 12:00 - 12:50 pm | <i>Labs A and B run concurrently</i> LAB A: Laminitis Treatment and Prevention Options James Orsini, DVM, DACVS <i>(Pre-registration required; check at registration desk for availability)</i> Clinical Skills Lab | | Clostridial Diseases of the Ruminant GI Tract David VanMetre, DVM, DACVIM (LAIM) | The Cynic's Guide to Brain Tumor Profiling (25 mins) Emergency Management of Seizures: Decision Under Risk (25 mins) Beth Boudreau, DVM, PhD, DACVIM (Neurology) <i>Wiswall Dry Lab</i> |
| 1:00 - 1:50 pm | LAB B: Best Cases of the Year - Large Animal Residents <i>Green Room</i> | | | A Contingency Model of Anticonvulsant Selection (25 mins) A Walk on the Wild Side: Interpreting Gait Examinations (25 mins) Beth Boudreau, DVM, PhD, DACVIM (Neurology) <i>Wiswall Dry Lab</i> |
| 1:50 - 2:10 pm Break with the Exhibitors | | | | |
| 2:10 - 3:00 pm | <i>Labs A and B run concurrently</i> LAB A: Laminitis Treatment and Prevention Options (repeat) James Orsini, DVM, DACVS <i>(Pre-registration required; check at registration desk for availability)</i> Clinical Skills Lab | | | Games for Learning GAME 1: May the Odds be Ever in Your Favor: Medical Uncertainty and Seizure Management GAME 2: Key Features of Gait Analysis Beth Boudreau, DVM, PhD, DACVIM (Neurology), Daniel Fletcher, PhD, DVM, DACVECC <i>(Pre-registration required; check at registration desk for availability)</i> <i>Wiswall Dry Lab</i> |
| 3:10 - 4:00 pm | LAB B: Best Cases of the Year - Large Animal Residents (repeat) <i>Green Room</i> | | | |
| 4:30 PM Dee Dee Arrison Concert for Animals | | | | |
| 6:30-10:30 PM Celebration Dinner at the Cornell Lab of Ornithology | | | | |

New York State Veterinary Conference

CONTINUING EDUCATION CLASSES

SATURDAY October 6, 2018

■ = Approved Credit for Veterinarians Only. ■ = Approved Credit for Veterinary Technicians Only.
□ = Approved Credit for Veterinarians and Veterinary Technicians. ■ = Sponsored Tracks.

| Companion Animal Track DEEDEE ARRISON HOLISTIC & INTEGRATIVE WELLNESS SERIES Lecture Hall 4 | | Companion Animal Track ATLAS PHARMACEUTICALS Lecture Hall 5 | Veterinary Technician Track Lecture Hall 1 |
|--|--|--|--|
| 6:00 - 8:00 am Breakfast and Registration | | | |
| 7:00 - 7:50 am | Introduction to Interventional Pain Management and Preview of Upcoming Clinical Trial Jordyn Boesch, DVM, DACVAA | Pharmacy: Controlled Substances Part 1 Lisa Penny, RPh | NAVTA Update Erin Spencer, MEd, CVT, VTS(ECC) |
| 8:00 - 8:50 am | | Pharmacy: Controlled Substances Part 2 Lisa Penny, RPh | Giving Back to Your Profession Erin Spencer, MEd, CVT, VTS(ECC) |
| 8:50 - 9:10 am Break with the Exhibitors | | | |
| 9:10 - 10:00 am | Cannabis sativa L: An Emerging Veterinary Therapy: Part One Robert Silver, DVM, MS | Panel on the Pearls: Feline Diabetes Diagnosis, Treatment, Prevention & Communication Patrick Carney, DVM, PhD, DACVIM (SAIM); Daniel Fletcher, DVM, PhD, DACVECC; John Loftus, DVM, PhD, DACVIM (SAIM); Bruce Kornreich DVM, PhD, DACVIM (Cardiology); and Meredith Miller DVM, DACVIM (SAIM) | Tips and Tricks from the Field: Remote Area Field Medicine Erin Spencer, MEd, CVT, VTS(ECC) |
| 10:10 am - 11:00 am | Cannabis sativa L: An Emerging Veterinary Therapy: Part Two Robert Silver, DVM, MS | | Organized Chaos: How to Stay on Track in a Remote or Mobile Setting Erin Spencer, MEd, CVT, VTS(ECC) |
| 11:00 - 12:00 pm Lunch with the Exhibitors | | | |
| 12:00 - 12:50 pm | LC/MS Determination of Potency and Pesticides in Hemp and Cannabis Plant Materials Jack Henion, PhD | Proteinuria Pathophysiology, Diagnostic Approach and Treatment John Loftus, DVM, PhD, DACVIM (SAIM) | |
| 1:00 - 1:50 pm | Medicinal Cannabis Products for Veterinary Medicine: Application of LC/MS Techniques for the Analysis of Commercial Hemp Products Jack Henion, PhD | Nutrition for the Geriatric Pet John Loftus, DVM, PhD, DACVIM (SAIM) | Anesthesia & Analgesia Options for High Volume Spay/Neuter Erin Spencer, MEd, CVT, VTS(ECC) |
| 1:50 - 2:10 pm Break with the Exhibitors | | | |
| 2:10 - 3:00 pm | Pharmacokinetics, Safety, and Clinical Efficacy of Cannabidiol Treatment in Osteoarthritic Dogs Lauri-Jo Gamble, DVM, CCRP Anticancer Effects of Cannabidiol (CBD) Joshua G. Henry, DVM | Case-based Applications of Abdominal FAST and Its Fluid Scoring System - Trauma, Triage and Tracking Greg Lisciandro, DVM, DABVP, DACVECC | Management of Orphaned Puppies and Kittens Erin Spencer, MEd, CVT, VTS(ECC) |
| 3:10 - 4:00 pm | | Canine Anaphylaxis: More than the Gallbladder and Hemoabdomen - A Complication Every Veterinarian MUST Know Greg Lisciandro, DVM, DABVP, DACVECC | Common Diseases Seen in Remote Area Field Medicine Erin Spencer, MEd, CVT, VTS(ECC) |
| 4:30 PM Dee Dee Arrison Concert for Animals | | | |
| 6:30-10:30 PM Celebration Dinner at the Cornell Lab of Ornithology | | | |

New York State Veterinary Conference

CONTINUING EDUCATION CLASSES

SUNDAY October 7, 2018

■ = Approved Credit for Veterinarians Only. ■ = Approved Credit for Veterinary Technicians Only.
□ = Approved Credit for Veterinarians and Veterinary Technicians. ■ = Sponsored Tracks.

| | Companion Animal Track <i>Lecture Hall 4 & 5</i> | Companion Animal Track <i>Wiswall Dry Lab (or as noted below)</i> | Companion Animal Track <i>Lecture Hall 2</i> | Camelid Track <i>Classroom 6</i> | Veterinary Technician <i>Lecture Hall 1</i> |
|---|---|--|---|--|--|
| NYSVMS Business Meeting 7:30 - 8:45 am | | | | | |
| 8:00 - 9:00 am Breakfast with Exhibitors | | | | | |
| 9:00 - 9:50 am | The Ophthalmic Examination – Overcoming Common Challenges Lucien Vallone, DVM, DACVO | Murmur Learner Ashley Saunders, DVM, DACVIM (Cardiology) <i>(Pre-registration required; check at registration desk for availability)</i> | Case-based Applications of Thoracic FAST - Trauma, Triage and Tracking Greg Lisciandro, DVM, DABVP, DACVECC | Camelid Anemias: Etiology, Diagnosis, Treatment Jeff Lakritz, DVM, PhD, DACVIM (LAIM), DACVCP | Understanding Clinical Trials Erin Berthelsen, LVT |
| 10:00 - 10:50 am | Ophthalmic Photography – Using your Smartphone to Diagnose Common Diseases Lucien Vallone, DVM, DACVO | | Introduction to Lung Ultrasound Greg Lisciandro, DVM, DABVP, DACVECC | Common Parasite Issues in Camelids: How I Manage This in Face of Widespread Anthelmintic Resistance Jeff Lakritz, DVM, PhD, DACVIM (LAIM), DACVCP | Clinical Trials Running Now at CUHA Erin Berthelsen, LVT |
| 10:50 - 11:10 am Break with Exhibitors | | | | | |
| 11:10 am - 12:00 pm | Diseases of the Ocular Surface – Part I: Canine Dry Eye Lucien Vallone, DVM, DACVO | Games for Learning GAME 1: May the Odds be Ever in Your Favor: Medical Uncertainty and Seizure Management GAME 2: Seeing the Big Picture in Complex Case Management Beth Boudreau, DVM, PhD, DACVIM (Neurology), Daniel Fletcher, PhD, DVM, DACVECC <i>(Pre-registration required; check at registration desk for availability)</i> | Case-based Lung Ultrasound and Its 6 Lung Ultrasound Signs Greg Lisciandro, DVM, DABVP, DACVECC | Antimicrobial Pharmacology for Camelids: Overview of Drugs Studied in Camelids and How to Use Them Therapeutically Jeff Lakritz, DVM, PhD, DACVIM (LAIM), DACVCP | Follow the Cash Flow Through Your Practice: Where Does the Money Go? Erin Berthelsen, LVT |
| 12:10 - 1:00 pm | Diseases of the Ocular Surface – Part II: Canine Indolent Ulcers Lucien Vallone, DVM, DACVO | | Lung Ultrasound and the Respiratory Distressed Cat - The Tale of 4 Felines Greg Lisciandro, DVM, DABVP, DACVECC | Pain Management in Camelids: Overview of Analgesic Drugs Studied in Camelids and How to Use Them Therapeutically Jeff Lakritz, DVM, PhD, DACVIM (LAIM), DACVCP | What You Need to Know to Prevent Surgical Site Infections Linda Caveney, LVT |
| 1:00 - 2:00 pm Lunch with Exhibitors | | | | | |
| 2:00 - 2:50 pm | Diseases of the Ocular Surface –Part III: Canine Deep and Infected Ulcers Lucien Vallone, DVM, DACVO | Theoretical Framework for Approaching Forensics Cases (i.e. What to Know and Do Before Starting a Case to Avoid Trouble) Sean McDonough, DVM, PhD, DACVP <i>Lecture Hall 3</i> | Using the Global Approach to Diagnose Traditionally Difficult Conditions Greg Lisciandro, DVM, DABVP, DACVECC | | Interactive Discussion: What To Do With Your Degree Erin Spencer, MEd, CVT, VTS(ECC); Erin Berthelsen, LVT; Linda Caveney, LVT |
| 3:00 - 3:50 pm | Case Presentations with Q&A – Common Ocular Diseases and Outcomes in Dogs and Cats are Presented Lucien Vallone, DVM, DACVO | Forensics: Starvation and Severe Matting Sean McDonough, DVM, PhD, DACVP <i>Lecture Hall 3</i> | Setting Up a Point-of-Care Ultrasound Program for Profit and Proficiency Greg Lisciandro, DVM, DABVP, DACVECC | | |

CONTINUING EDUCATION TRACKING FORM



New York State Spring Veterinary Conference | October 5-7, 2018 | Ithaca, NY

This form is for your own continuing education records. File the completed form with the Certificate of Attendance you will receive by email after the conference. You should also indicate the courses you attended using the checklist on the back of the emailed certificate.

FRIDAY, OCTOBER 5, 2018

| Title of Session | Speaker(s) | Hours |
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SATURDAY, OCTOBER 6, 2018

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SUNDAY, OCTOBER 7, 2018

| Title of Session | Speaker(s) | Hours |
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SPEAKERS

Erin Berthelsen, LVT

University of Minnesota | Minneapolis, MN

Jordyn Boesch, DVM, DACVAA

Cornell University | Ithaca, NY

Beth Boudreau, DVM, PhD, DACVIM (Neurology)

Texas A&M University | College Station, TX

Elizabeth Buckles, DVM, PhD, DACVP

Cornell University | Ithaca, NY

Patrick Carney, DVM, PhD, DACVIM (SAIM),

Cornell University | Ithaca, NY

Linda Caveney, LVT

Cornell University | Ithaca, NY

Betsy Charles, DVM, MA

Veterinary Leadership Institute | Murrieta, CA

Thomas Divers, DVM, DACVIM (LAIM), DACVECC

Cornell University | Ithaca, NY

Norm Ducharme, DMV, MSc, DACVS

Cornell University | Ithaca, NY

Dan Fletcher, DVM, PhD, DACVECC

Cornell University | Ithaca, NY

Christopher Frye, DVM, DACVSMR

Cornell University | Ithaca, NY

Lauri-Jo Gamble, DVM, CCRP

Cornell University | Ithaca, NY

Laura Goodman, PhD

Cornell University | Ithaca, NY

Jack Henion, PhD

Advion | Ithaca, NY

Joshua Henry, DVM

Cornell University | Ithaca, NY

Jarra Jagne, DVM, DACPV

Cornell University | Ithaca, NY

Amy Johnson, DVM, DACVIM (LAIM & Neurology)

University of Pennsylvania | Kennett Square, PA

Bruce Kornreich, DVM, PhD, DACVIM (Cardiology)

Cornell University | Ithaca, NY

Jeff Lakritz, DVM, PhD, DACVIM (LAIM), DACVCP

The Ohio State University | Columbus, OH

Janis Lapsley, DVM

Cornell University | Ithaca, NY

Greg Lisciandro, DVM, DABVP, DACVECC

FASTVet.com and Hill Country Veterinary Specialists |
Spicewood, TX

John Loftus, DVM, PhD, DACVIM (SAIM)

Cornell University | Ithaca, NY

Jessica McArt, DVM, PhD

Cornell University | Ithaca, NY

Sean McDonough, DVM, PhD, DACVP

Cornell University | Ithaca, NY

Meredith Miller, DVM, DACVIM (SAIM)

Cornell University | Ithaca, NY

Katie Mrdutt, DVM

Food Armor Foundation | Madison, WI

James Orsini, DVM, DACVS

University of Pennsylvania | Kennett Square, PA

Lisa Penny, RPH

Cornell University | Ithaca, NY

John Pigott, DVM, MS, DACVS

Cornell Ruffian Equine Specialists | Elmont, NY

Steve Reed, DVM, DACVIM (LAIM)

Rood & Riddle Equine Hospital | Lexington, KY

Ashley Saunders, DVM, DACVIM (Cardiology)

Texas A&M University | College Station, TX

Robert Silver, DVM, MS

RxVitamins for Pets | Longmont, CO

Erin Spencer, M.Ed, CVT, VTS(ECC)

University of Massachusetts | Newton, MA

Anil Thachil, DVM, PhD, DACVM

Cornell University | Ithaca, NY

Lucien Vallone, DVM, DACVO

Texas A&M University | College Station, TX

Gerlinde Van de Wall, DVM, PhD

Cornell University | Ithaca, NY

David VanMetre, DVM, DACVIM (LAIM)

Colorado State University | Fort Collins, CO

Craig Webb, DVM, PhD, DACVIM (SAIM)

Colorado State University | Fort Collins, CO

EXHIBITORS

EXHIBIT HOURS

| | |
|---------------------|-------------------|
| Friday, October 5 | 7:00 am - 7:00 pm |
| Saturday, October 6 | 7:00 am - 5:30 pm |
| Sunday, October 7 | 8:00 am - 2:00 pm |

WE THANK ALL OF OUR EXHIBITORS AND SPONSORS FOR THEIR SUPPORT!

Exhibit
Location Exhibitor (Bolded Names are Sponsors)

43 **Abaxis**

Abaxis Global Diagnostics is your total laboratory partner, offering the comprehensive and innovative VetScan line of on-site diagnostic instruments and rapid tests. The VetScan name has become synonymous with convenience, ease of use and cost-effectiveness, delivering on our promise of speed, accuracy and reliability.

18 **Abbey Glen Pet Memorial Park/Pawpals**

Pawpals® are unlike traditional clay impression kits because they require no kneading, mixing, baking or drying. Just lift the frame, press the paw into the patented mold material and you've created a lasting memory! Creating that unique Client-Pet-Veterinarian bond and capturing a lasting memory instantly for your clients.

25 **Animal Medical Center**

The Animal Medical Center is the world's largest non-profit animal hospital with 100+ veterinarians providing the highest quality medical care across 17 specialties. AMC's pioneering clinical research advances veterinary knowledge & our education programs train the next generation of veterinary leaders and provide pet owners with quality pet health information. AMC is proud to offer our services 24 hours a day, 7 days a week. We are accepting applications for Licensed Veterinary Technicians and Veterinary Assistants. AMC is committed to providing the highest quality veterinary care for its patients and looking for candidates who share the same passion. www.amcny.org.

7 **Animal Specialty Center**

Animal Specialty Center's 16,000 square foot facility is staffed with some of the best and brightest board certified veterinary specialists from across the U.S. We offer an unparalleled level of comprehensive care in many important specialties. Our facility is equipped with cutting-edge technology, including the most advanced radiation available for pets, the TrueBeam by Varian. For many years, we were the only veterinary facility in the world with the CyberKnife® Robotic Radiosurgery System, and we are proud to continue to lead the field. We also feature the Toshiba Aquilion 16 slice CT scanner. Additional state-of-the-art equipment on site includes: MRI, digital radiography, digital fluoroscopy and minimally invasive surgery, including arthroscopic, thoracic and laparoscopic procedures. We offer emergency care 24 hours a day, 7 days a week, 365 days a year. Comprehensive specialty medical, surgical and support services are available by referral from primary care veterinarians. Please contact us for further information.

13 **Atlas Pharmaceuticals**

Atlas Pharmaceuticals is an FDA registered 503B Outsourcing Facility delivering superior quality office stock compounded medications to patients and practices for the first time in veterinary medicine. Atlas manufactures compounds under strict FDA regulated cGMP (Current Good Manufacturing Practices) standards, delivering quality you can trust for office stock compounded medications. Our commitment to patient safety centers on manufacturing products with the highest quality

materials, technology and quality control processes possible. We leverage 17 years of compounding expertise and quality processing to deliver the highest level of patient safety. Atlas Pharmaceuticals is part of the Vets First Choice and Roadrunner Pharmacy family. For more information, please visit www.atlasdrugs.com.

5 **Banfield Pet Hospital**

As the largest veterinary care practice in the world with more than 1,000 hospitals across the U.S. and Puerto Rico, Banfield is devoted to making a difference in the lives of pets and the clients we serve. Through our comprehensive medical services, computerized medical records, and preventive care plans for pets, we're focused on advancing the future of veterinary medicine.

34 **Bayer Animal Health**

Bayer Animal Health is committed to the support and partnership with our veterinary practitioners to bring innovation in animal health products, through bold steps forward in research and development, and a better quality of life for pets.

20 **Best Pet Rx**

Best Pet Rx is a veterinary exclusive compounding pharmacy committed to partnering with veterinarians for the well-being and care of their patients. Our mission is to help your clients find the best way to medicate their pets easily and regularly, because compliance supports good therapeutic outcomes. We provide our veterinary partners with innovative technologies, best quality compounded medications, and first-class service.

17 **Blue Buffalo Company**

Blue Buffalo Company based in Wilton, CT, is the nation's leading natural pet food company, and provides natural foods and treats for dogs and cats under its BLUE Life Protection Formula, BLUE Wilderness, BLUE Basics, BLUE Freedom and BLUE Natural Veterinary Diet lines. Paying tribute to its founding mission, the company is a leading sponsor of pet cancer awareness and critical studies of pet cancer, health, treatment and nutrition at top veterinary medical schools across the United States. For more information about Blue Buffalo, visit www.bluebuffalo.com.

27 **Boehringer Ingelheim**

At Boehringer Ingelheim, we create the future of animal wellbeing through preventive care. As the second largest animal health business in the world, Boehringer Ingelheim believes in a future in which no animal suffers from a preventable disease. Boehringer Ingelheim provides advanced, preventive animal healthcare and we develop new therapies to help those who care for animals to manage chronic diseases more effectively, limiting pain and slowing down disease progression. Our portfolio includes some of the most game-changing and broadly used vaccines, anti-parasite protection treatments and pharmaceuticals that protect livestock and companion animals against disease and pain.

42 **Bovie Animal Health**

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

30 **CareCredit**

The CareCredit healthcare credit card, accepted by more than 20,000 veterinary practices, helps families manage veterinary costs. When your hospital accepts CareCredit, clients can make monthly payments (subject to credit approval), making it easier to complete recommended treatment. For more information, call 800-300-3046 or go to www.carecredit.com/vet.

12 **Companion Animal Health by LiteCure**

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

- 10 **CryoProbe**
The CryoProbe uses N2O cartridges with a freezing temperature of -127 degrees. No need for anesthesia! For every 5 seconds of freeze time it will penetrate 1mm of depth through the lesion so you are getting the best results possible. With the micro applicator tips you are precise to the MM for minimal discomfort to your patient.
- 1 **Digatherm**
Digatherm, LLC is the leader in innovation for Digital Thermal Imaging in large and small animal practices. DTI is a solution for screening all patients that cannot communicate their symptoms. We are introducing New IR Flash Pro Vet Specific Software for ease on integrating this valuable tool in your practice.
- 19 **EcoLife Expeditions**
EcoLife Expeditions of South Africa provides exciting educational travel opportunities for practicing veterinarians/technicians and veterinary/vet tech students to learn about, experience, and participate in the management and health interventions in free-roaming African wildlife populations. Our objective is to provide an opportunity to experience in Africa a different yet relevant side of veterinary science that can broaden one's outlook and support professional development. RACE-approved CE and university credits are available through professional and student programs.
- 2 **Henry Schein Animal Health**
Henry Schein Animal Health® is the nation's leading animal health distributor for wellness, compliance, and practice management solutions. Partnering with 400+ suppliers, we bring the broadest selection of products and services to veterinarians, including: dentistry, diagnostics, diets, equipment and supplies, nutraceuticals, parasiticides, pharmaceuticals, private label, financing, equipment repair, hospital design, home delivery, inventory management, technology, and more. Contact us today at (855) SCHEIN1 (724-3461) or www.henryscheinvet.com. Follow our social media network on Twitter, Facebook, LinkedIn, and YouTube.
- 14 **Hills Pet Nutrition, Inc.**
Hill's Pet Nutrition is dedicated to helping pets reach their full potential quality nutrition and health care. Our unrivaled devotion to healthy, happy pets drive everything we do.
- 50 **Ice Horse**
MacKinnion Products produces equine and canine cryotherapy wraps, boots and specialty bandages to aid in treatment and compliance pre and post-surgery and during the rehabilitation process. Our products make compliance easy and effective with clinically proven results.
- 4 **IDEXX Laboratories Veterinary Products and Services**
A leader in pet healthcare innovation, serving veterinarians around the world with a broad range of diagnostic and information technology-based products and services. IDEXX solutions enhance veterinarians' ability to provide advanced medical care, improve staff efficiency, and build more economically successful practices.
- 3 **Midmark**
Improving the experience between the patient and the caregiver is at the heart of everything we do. Midmark offers a diverse line of veterinary equipment, including anesthesia, instrument processing, dental delivery, digital radiography, monitoring, exam and treatment tables, surgery solutions, lighting, containment, boarding, grooming, and cabinetry. Midmark has also developed some of the clearest, most inclusive training in the industry and backs all products with an independent service and support network. Better Patient Care. Better Business.
- 24 **Midwest Veterinary Supply**
Midwest Veterinary Supply is a family and employee owned, full-line veterinary product distributor that has been in business for over 50 years. We offer a diverse portfolio of products for companion animal, equine, and food animal practices as well as client retention and revenue building platforms. Stop by our booth and find out what we can start doing for you.

- 51 **Miller Veterinary Supply East**
Miller Veterinary Supply East proudly services the Northeast providing licensed veterinarians the equipment, instruments, pet food, pharmaceuticals and supplies needed to run their practices. Our aim is to professionally represent our Vendor Partners, while providing added value, exemplary service and an unparalleled hands-on approach.
- 31 **Monarch Business Consulting**
We are a veterinarian to veterinarian consulting business that can help you with a practice sale, practice valuation or practice purchase and/or associate buy-in. We have extensive experience with practice design for start-ups, new construction and practice additions. At Monarch, we act as your business representative and deal with banks, contractors, architects, engineers and lawyers and let you do what you do best - practice medicine!
- 32 **MWI Animal Health**
An AmerisourceBergen company, a leading distributor of pharmaceuticals, biologicals, diets, equipment and supplies to companion, equine and livestock veterinarians and producers in the United States. Additionally, our associates routinely consult with accounts on critical business matters including inventory management, operations and marketing. Learn more at mwiah.com.
- 33 **New England Medical Books**
New England Medical Books, an Elsevier Affiliate. Representing veterinary medical books and publications from Elsevier, Servet, CRC Press and Wiley Medical Publishers.
- 22 **Nexderma**
Nexderma is a sister company to Genadyne, which has manufactured wound care products in the human market for the past 18 years. Nexderma is focused on creating products for animals containing no harsh chemicals, like hypochlorous acid, antibiotics or steroids. Headquartered in New York, Nexderma products are manufactured and assembled in the United States which guarantees quality control. Their Stem Gel (derived from plant stem cells) and Silvet Spray (a 30ppm colloidal silver spray) were designed to challenge and enhance treatments from common dermatological conditions to chronic wounds free from antibiotic resistance. Visit their website & watch their great video: www.nexdermavet.com.
- 23 **Nutramax Laboratories Veterinary Sciences, Inc.**
Nutramax Laboratories Veterinary Sciences, Inc. This family of companies has become industry leaders in setting and adhering to high standards in manufacturing and quality control. We continually conduct and support laboratory research and clinical studies on our products. Many of these studies have been published and/or presented in medical, veterinary and other health-related journals and publications.
- 9 **Patterson Veterinary Supply**
Patterson Veterinary a leading distributor of consumable supplies, equipment and software, diagnostic products, vaccines and pharmaceuticals to both the companion pet and production animal markets in the United States and United Kingdom.
- 6 **Royal Canin**
Royal Canin USA is a leader in science-based cat and dog health nutrition. Founded by a veterinarian in 1968, Royal Canin has more than 40 years of experience in delivering individualized nutritional solutions based on size, age, breed, lifestyle and therapeutic requirements. To learn more about Royal Canin, visit www.royalcanin.com.
- 28 **Rose Micro Solutions**
Sells High Quality Optical Loupes & LED Lighting Systems for less! Our Loupes start @ \$279.00. We are a "family" business consisting of 4 brothers. We named the company after our mother "Rose". Stop by to see our "new" line of TTL loupes, you'll love the Optics! Visit us online @ www.rosemicrosolutions.com or call us @ 716-608-0009. Thank you for your continued support!

26 **RxVitamins for Pets**

An innovative, nutraceutical company providing veterinarians with nutritional formulations designed to enhance patient outcomes. Since 1998, RxVitamins has set the standard in the development of safe, well-researched, condition-specific formulas that provide the veterinarian with a wide choice of treatment options to complement the conventional care of companion animals.

16 **Simmons & Associates**

At Simmons & Associates we generate tens of millions of dollars in wealth for veterinarians every year. Veterinarians rely on our expertise to create a sophisticated sales process to generate the most money and best terms in the newly complex investor/consolidator practice sales market. Buyers and smaller practices rely on us to broker their vet-to-vet transactions. If you're not ready to sell, we can value your practice and help you plan your highest dollar exit strategy.

21 **TD Bank**

TD Bank Healthcare Practice Solutions Group is a highly specialized and responsive team focused solely on providing comprehensive financial solutions to veterinary practices. We have solutions for each stage of your career, whether you're acquiring, expanding or simply looking to improve cash flow. TD Bank, America's Most Convenient Bank®, has proudly provided unparalleled convenience and legendary WOW! customer service for more than 150 years.

8 **TMGvets**

TMGvets is without a doubt the best payment processor for veterinarians in New York State. We are currently working with and providing excellent rates and customer service to more than 800 veterinarians. We offer free equipment, free receipt paper, locked in rates, no contract, free next day funding, reimbursement of annual PCI fee, personal customer service, a FREE Yeti cooler, and as an Affinity Partner, we are exclusively recommended by NYSVMS. Let us change your view on credit card processing - switch for the savings, stay for the service!

15 **VetCor**

VetCor, founded in 1997, is a family of more than 270 exceptional hospitals in 28 states. Our central office provides management, marketing, and administrative support, allowing our practice teams to maximize focus on care of patients and clients. We maintain established practice names, styles, and employees; leave medical direction to each practice; and help our practices thrive with the help of added resources and shared ideas and experiences.

11 **VetMatrix**

At VetMatrix, we specialize in websites and online marketing solutions for veterinarians with small to medium-size businesses who want to gain a larger local market share. We provide the solution for all your online marketing needs to help attract new business and engage current clients.

29 **Vet-Ray Technology by Sedecal**

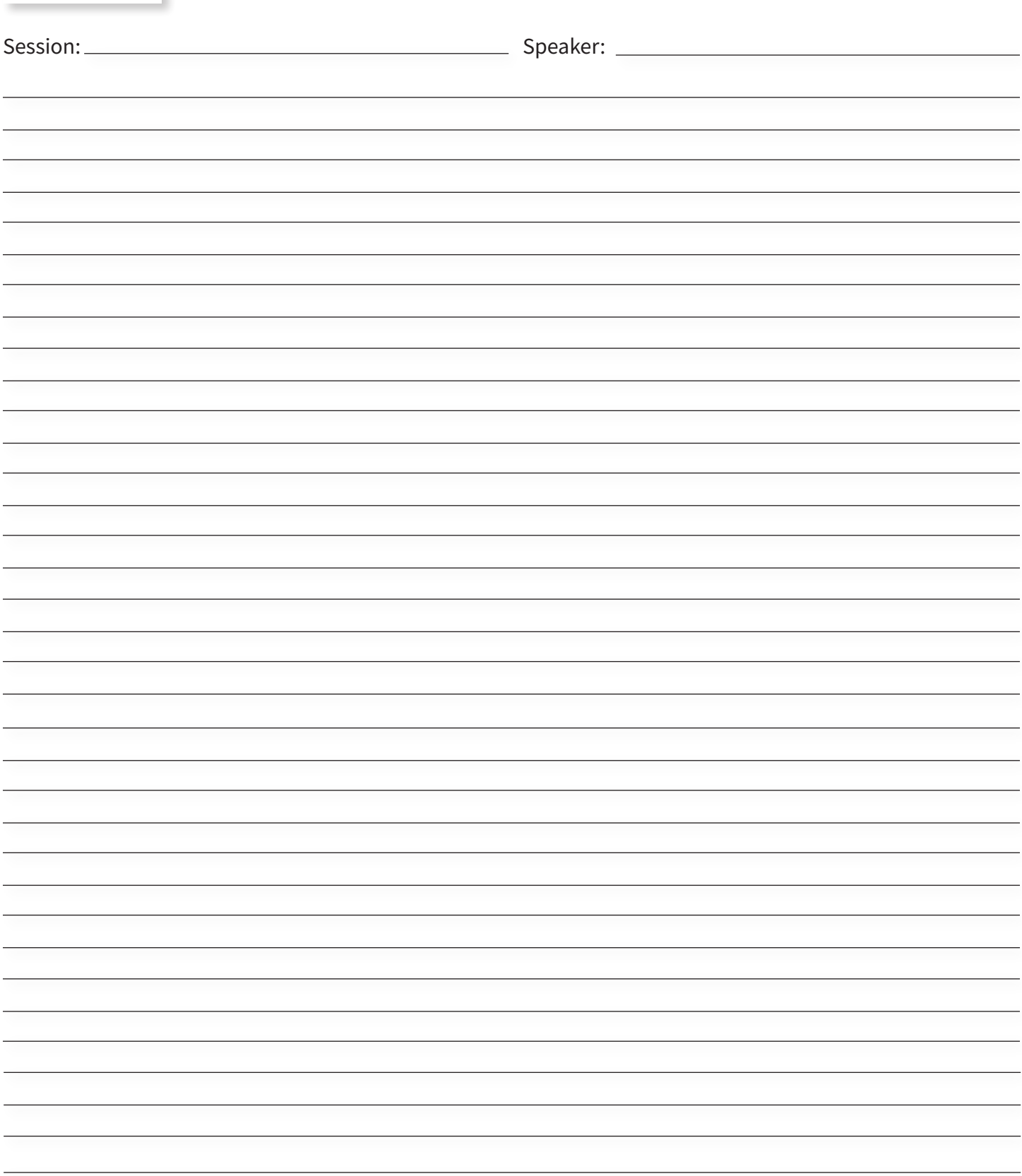
Vet-Ray Technology by Sedecal: Sedecal manufacturer of veterinary specific X-ray products has grown to be the world's largest veterinary provider of over 20 different digital and analog configurations for small and large animal applications. Sedecal specializes in products for Companion Animal, Equine, Zoo Animals and Universities across the world.

13 **Vets First Choice**

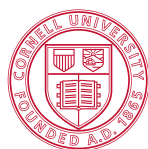
Vets First Choice is a leading provider of technology-enabled health care services for companion and equine veterinary practitioners. Founded in 2010, the company partners with veterinarians to create insight into gaps in patient care and offers professionalized proactive prescription management to drive client engagement and improved compliance. Its services result in better prescription compliance, increased client engagement, and improved practice revenues and profitability. For more information, please visit www.vetsfirstchoice.com.

44 **Zoetis Animal Health**

A global animal health company dedicated to supporting customers and their businesses in ever better ways. Building on 60 years of experience, we deliver quality medicines and vaccines, complemented by diagnostic products and genetic tests and supported by a range of services. We are working every day to better understand and address the real-world challenges faced by those who raise and care for animals in ways they find truly relevant.



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