

# New York State Veterinary Conference



Hosted by the New York State Veterinary Medical Society and the Cornell University College of Veterinary Medicine

**September 30 - October 3, 2010**  
(Thursday-Sunday)

## Thank you NYS-VC Sponsors

Our thanks to the following companies for their support of the 2010 New York State Veterinary Conference:



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Dr. Tony Buffington



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### Pfizer Animal Health

Dr. Clarke Atkins  
Shawn McVey

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*The mission of the New York State Veterinary Conference presented by the Cornell University College of Veterinary Medicine and the New York State Veterinary Medical Society is to support and advance veterinary medicine by providing dynamic and interactive learning sessions led by renowned experts, capitalizing on the state-of-the-art clinical veterinary facilities at Cornell University, exploring industry developments, and networking with people who share a commitment to the ideals, values and principles of the veterinary profession.*



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## New York State Veterinary Conference

*Hosted by the New York State Veterinary Medical Society and the Cornell University College of Veterinary Medicine*

**September 30 - October 3, 2010 (Thursday-Sunday)**

Dear Colleague:

Join us for the third New York State Veterinary Conference (NYS-VC) hosted by the NYSVMS and the Cornell University College of Veterinary Medicine in Ithaca, NY. Outstanding and renowned speakers, wetlabs, exhibits, the Grand Opening and Ribbon Cutting of the New York State Veterinary Diagnostic Laboratory, and a fun Purple Party on Friday after classes will take advantage of the modern and state-of-the-art facilities at the College. The Cornell Equine Practitioners Conference will be held in conjunction with the NYS-VC and the program is included in this booklet.

We thank our exhibitors and sponsors for supporting our meeting and look forward to their continued participation in the NYS-VC. Without their participation, your registration fees would be much higher and veterinarian registrants are encouraged to visit every exhibitor!

Overnight room blocks for the NYS-VC have been reserved at several Ithaca hotels and that list is published in this booklet.

Join us Thursday from 6:00 - 8:00 p.m. at the Welcome Reception in the Gallery on the second floor of the College to meet friends and colleagues and enjoy light refreshments. The Gallery is near the Centennial Room and you'll be able to pick up your onsite meeting materials (and your Friday parking permit) at the Registration Desk.

The Grand Opening of the New York State Veterinary Diagnostic Laboratory will be conducted Friday from 1:00-1:30 p.m. We hope you'll take time to attend the festivities!

The Silent Auction held during the Purple Party benefits student scholarships and veterinary advocacy through the Political Education Committee. Monies raised at the auction are evenly divided between scholarships and the PEC. Please consider donating something to the Auction and then bidding on one or more of the auction items!

The online registration form can be accessed [www.vet.cornell.edu](http://www.vet.cornell.edu) Register by September 14, and take advantage of discounted registration fees!

We look forward to seeing you in Ithaca!

### NYS-VC Planning Committee

#### NYSVMS

Rene T. van Ee, DVM, DACVS  
President

Dean M. Snyder, DVM  
General Chairman

Bridget M. Barry, DVM  
Assistant Chairperson

#### College of Veterinary Medicine

Michael I. Kotlikoff, VMD, PhD  
Austin O. Hooley Dean of Veterinary Medicine

Lorin D. Warnick, DVM, PhD

Associate Dean for Veterinary Education

William H. Miller, VMD  
Chief Section of Dermatology

# Conference Details

## NYS-VC Registration

Online registration for those paying by credit card is available at [www.vet.cornell.edu](http://www.vet.cornell.edu) Online registrations can be paid by Visa, MasterCard, Discover and American Express.

Registration forms paid by Visa or MasterCard can be faxed to the NYSVMS, (518) 437-0957. Registrations paid by check should be mailed to: NYSVMS, Attn: NYS-VC, 9 Highland Avenue, Albany, NY 12205.

NYS-VC registration forms received by or on September 14 qualify for a discounted registration fee. Advanced registration is strongly encouraged! Avoid long lines at

the onsite registration desk, improve your chances of admission to wetlabs with limited seating, help the NYS-VC contain costs through timely planning, and SAVE money!

Full conference registration includes: attendance at all seminars, refreshment breaks, lunch on Friday and Saturday, the Purple Party on Friday evening and one drink ticket, NYSVMS Annual Business Meeting breakfast on Saturday (NYSVMS members only), and admittance to the exhibit areas.

NYS-VC registration will be held in the Centennial Room at the College. Signs will direct you to the location. Please check in when you arrive to receive your name badge, tickets, and conference material.

## Spouse/Guest Registration

Spouse and guest registration includes a name badge, refreshment breaks, admittance to the exhibit areas, and the Purple Party on Friday evening. Spouse/guest registration does not include admittance to lectures or wetlabs, lunches, or a complimentary Purple Party drink ticket. Veterinarians may not register as spouses or guests.

## Registration Schedule

Thurs., 9/30:	6:00 p.m. - 8:00 p.m.
Fri., 10/1 :	7:30 a.m. - 5:00 p.m.
Sat., 10/2:	7:30 a.m. - 5:00 p.m.
Sun.,10/3:	7:30 a.m. - 12:00 p.m.

## Parking Permits

A permit to park at the College is only required on Friday. Purchase your permit on the registration form. Parking permits will not be mailed.

If you pay for a parking permit you will need to pick up your permit inside the front door of the Veterinary Medical Center's Public Entrance before parking your vehicle. Permits will be available for pick-up on Thursday evening from 6:00 - 8:00 p.m. and on Friday morning beginning at 7:30 in the Centennial Room.

Registrants who purchase a permit to the O-Lot after those permits have sold out must pay an additional \$3.50 for a K-Lot permit to NYS-VC staff on Friday, October 2, at the official entrance to the veterinary college. Cornell University maps can be downloaded at <http://www.cornell.edu/maps/>

## Continuing Education

This conference has been submitted (but not yet approved) for 18 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 certain methods of delivery of continuing education. Contact Amanda Mott at the College, 607.253.3200, for more information.

New York State Governor David Paterson recently signed into law legislation mandating continuing education for veterinarians and LVTs. NYSVMS members are encouraged to attend Saturday morning's Annual Business Meeting to learn more!

*continued on page 4*

## Hotel Information

### Make Your Hotel Reservations Quickly

Blocks of overnight rooms have been reserved at the Ithaca hotels listed below. Please contact the hotel directly and tell them you're attending the New York State Veterinary Conference. Please make your hotel reservations as soon as possible as our room blocks will fill up very quickly.

### Best Western University Inn

1020 Ellis Hollow Road, Ithaca, NY 14850  
607-272-6100 or 800-937-8376  
[www.BestWesternUniversityInnIthaca.com](http://www.BestWesternUniversityInnIthaca.com)  
\$159.00 double  
Shuttle to/from CVM: 7:00am-10:45pm upon request

### Courtyard by Marriott

29 Thornwood Drive, Ithaca, NY 14850  
607-330-1000  
[www.marriott.com](http://www.marriott.com)  
\$169 on Thursday and Sunday  
\$229 on Friday and Saturday  
Shuttle to/from CVM: 7:00am-11:00pm upon request

### Hampton Inn

337 Elmira Road, Ithaca, NY 14850  
607-277-5500 or 800-HAMPTON  
[www.hamptoninn.com](http://www.hamptoninn.com)  
\$109 Queen  
No shuttle service

### Hilton Garden Inn

10 E. Seneca Street, Ithaca, NY 14850  
607-277-8900  
[www.hiltongardeninn.com](http://www.hiltongardeninn.com)  
\$169/\$239  
Shuttle to/from CVM: 7:30am-10:30 on the hour and half hour, upon request

### Holiday Inn

222 South Cayuga Street, Ithaca, NY 14850  
607-272-1000 or 888-465-4329  
[www.ichotelsgroup.com](http://www.ichotelsgroup.com)  
\$139 main building/\$159 tower  
Shuttle to/from CVM: 24-hour service to CU/airport, upon request

### Homewood Suites by Hilton

36 Cinema Drive, Ithaca, NY  
607-266-0000  
[www.HomewoodSuites1.hilton.com](http://www.HomewoodSuites1.hilton.com)  
\$139 Studio/1 bedroom  
Shuttle to/from CVM: 7:30am-9:30pm

### Ramada Inn Ithaca

2310 N. Triphammer Road, Ithaca, NY 14850  
607-257-3100 or 800-272-623  
[www.ramada.com](http://www.ramada.com)  
\$129.95 Double or King  
Shuttle to/from CVM: 8:00am-10:00pm upon request

## Conference Details *continued from page 3*

### Proceedings

Conference speaker papers will be available online and registrants will be advised how to access them after their registration form and payment have been received. Remember to print and bring with you to the NYS-VC the papers of speakers whose sessions you plan to attend. The cost for a reserved printed Proceedings is \$50; a limited number of printed Proceedings will be available onsite for \$75. Reserve a printed Proceedings on the NYS-VC registration form. Printed Proceedings will be included in the paid registrant's onsite meeting packet.

### Safety

When any session becomes over-crowded, the NYS-VC must adhere to fire laws and limit attendance. Registrants are encouraged to arrive early to sessions.

### Exhibits

We thank our exhibitors for their support of our meeting. Registrants are encouraged to visit every exhibit table and thank representatives for attending the NYS-VC. Exhibits will be open at the following times:

Friday, October 1: 9:00 a.m. - 5:00 p.m.  
Saturday, October 2: 8:30 a.m. - 5:00 p.m.  
Sunday, October 3: 8:30 a.m. - 12:00 p.m.

### Welcome Reception

Our social program begins on Thursday evening from 6:00-8:00 p.m. with a Welcome Reception in the Gallery on the second floor of the College near the Centennial Room. This is a great opportunity to greet friends and colleagues and enjoy some light refreshments. You can also pick up your registration materials in the Centennial Room.

### Tours

Tours of the Cornell Companion Animal Hospital, Equine Hospital, and the New York State Veterinary Diagnostic Laboratory will be held Thursday evening, September 30, during the Welcome Reception at 6:30 p.m. and 7:15 p.m.; and on Saturday during lunch at 12:30 pm. Please sign up on the registration form.

### Friday's Purple Party

The Purple Party celebrates the NYS-VC partnership between the NYSVMS and the College. This partnership is reflected in the NYS-VC logo and the prominent use of the color **purple**. **Why purple?** Because when the red of Cornell's logo and the blue of the

NYSVMS logo are blended, the two colors become one color – **PURPLE!**

NYS-VC registrants and exhibitors are invited to the Silent Auction and Purple Party on Friday, October 1, at 5:30 p.m. in the new New York State Veterinary Diagnostic Laboratory. Sign up on the registration form to tour this beautiful 126,000 square foot, full-service, multi-disciplinary animal disease diagnostic facility!

While attending the Purple Party, enjoy a selection of food and drinks, listen to the student singing group, Ultrasound, and be sure to bid on some of the beautiful, historic and fun items available in the Silent Auction!

Monies raised at the Silent Auction benefit NYSVMS student scholarships at Cornell, the NYSVMS's outreach to students at other veterinary colleges, and the veterinary Political Education Committee. Auction items are needed and welcomed! Contact Dr. Mark Chmielewicz, auction coordinator, and let him know what you'll donate, (315) 737-7387, [chmh315@aol.com](mailto:chmh315@aol.com). To show our appreciation, the names of donors to the auction will be listed in the NYSVMS publication, *Veterinary News*.

### Silent Auction

This year's NYS-VC will not only include the Grand Opening of the brand new, state-of-the-art New York State Veterinary Diagnostic Laboratory but also a Silent Auction to benefit student scholarships and NYSVMS legislative advocacy through the veterinary Political Education Committee.

The NYSVMS Scholarship was established in 1994 as a permanently-endowed scholarship at Cornell University. The Scholarship "provides tuition assistance to New York State residents who are third- or fourth-year students, and interested in organized veterinary medicine."

### Scholarship Recipients

1999-2000 - Michael Capel, Melissa Carlson and Stephanie (Konsker) Karpf  
2000-2001 - Carol Phillips  
2001-2002 - Todd Bishop  
2002-2003 - Hilda Mitchell  
2003-2004 - Sara Gower  
2004-2005 - Colleen MacLachlan  
2005-2006 - Amber Ball  
2006-2007 - Erin Goodrich  
2007-2008 - Steven Friedenbergs  
2008-2009 - Jeremy Salvatore  
2009-2010 - Marina Tejada

### Grand Opening of New York State Veterinary Diagnostic Laboratory

The Grand Opening of the New York State Veterinary Diagnostic Laboratory will be held Friday, October 1, from 1:00-1:30 p.m. and NYS-VC registrants are invited to attend! The new laboratory's two wings are linked by a central atrium and form a corner/edge for the veterinary college complex. The northern, formal face of the building features an extensive glass curtain wall.

Cornell's NYSVDL is the only full-service multi-disciplinary animal disease diagnostic facility in New York State and is a member of the National Animal Health Laboratory Network. Every year, this facility conducts more than one million tests on more than 150,000 cases received from throughout the United States, North America, and overseas.

Signs and directions to the new NYSVDL will be posted.

### NYSVMS Annual Business Meeting

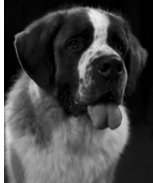
NYSVMS members who register to attend the NYSVMS Annual Business Meeting on Saturday, October 2, in the cafeteria at the veterinary college will receive a complimentary admission ticket in their onsite meeting packet. Attendance is limited to NYSVMS members. The meeting will be called to order by NYSVMS President Rene van Ee at 7:30 a.m.

NYSVMS members are encouraged to attend the business meeting and learn how the new law mandating acceptable continuing education will change the way they re-register and how many C.E. hours they must obtain in order to re-register and continue to practice.

Every NYSVMS member who attends will receive a raffle ticket. One lucky member present when the drawing is held will receive FREE 2011 NYSVMS state membership dues!

### NYSVMS/Alumni Association Banquet

The NYSVMS and the Cornell Veterinary Alumni Association will host an Awards Banquet on Saturday evening at The Statler Hotel beginning with a cocktail reception at 6:30 p.m. in the foyer to the Carrier Ballroom on the second floor followed by a buffet dinner at 7:00. Shuttle rides from the nearby parking garage to The Statler will begin at 6:15 p.m. and return beginning at 10:00 p.m.



# COMPANION ANIMAL PROGRAM

## Friday, October 1

8:00 – 9:30

### **Differentiating Cardiac from Respiratory Disease**

Clarke Atkins, DVM, DACVIM (Internal Medicine and Cardiology)

*Sponsor: Pfizer Animal Health*

The differentiation of signs of cardiac and respiratory disease remains a challenge to veterinary practitioners. Therapeutic efforts are markedly compromised when this distinction is not correctly made. This presentation will provide practical methods for this differentiation against a back-drop of a clinical presentation of a coughing dog with a heart murmur.

8:00 – 9:30

### **Perioperative and Intraoperative Anesthesia Problems, Part I**

Andrea Looney, DVM, DACVA

This lecture will describe the common problems that occur pre, intra and post operatively, and rightfully or wrongfully, are often attributed to anesthesia. Focus will be on separating truly emergent from urgent issues, assessment and quick troubleshooting, and then amending the situation to provide the patient both short term safe emergence and long term overall health.

8:00 – 8:45

### **Feline Pancreatitis**

Kenneth Simpson, BVM&S, PhD, DACVIM, DECVIM

When should I consider pancreatitis? How do PLI and ultrasound perform? When and what should I feed? What about intercurrent diseases?

8:45 – 9:30

### **Pitfalls and Progress in the Diagnosis and Treatment of IBD and Lymphoma in Cats**

Kenneth Simpson, BVM&S, PhD, DACVIM, DECVIM

Is it IBD? Is it lymphoma? Does it matter? What's cobalamin? This session will present a practical approach to diagnosis and treatment of these common feline GI disorders.

8:00 – 9:30

### **Common Problems in Thoracic Radiography: Test your Knowledge (Lecture)**

Ned Dykes, DVM, DACVR

[Lecture is prerequisite to lab]

The correct interpretation of thoracic radiographs is both essential and complicated for veterinarians. A scheme of pattern recognition will be presented that will develop a new understanding of "lung patterns," facilitate understanding and increase diagnostic accuracy. Attend the lectures and participate in the companion laboratory sessions and you will gain an improved understanding of thoracic diseases and be more confident interpreting thoracic radiographs.

9:30 – 10:00

### **Refreshment Break**

Exhibit Areas

Coffee in the Hagan Room

10:00 – 11:00

### **When the Specialist is Out... Case-Based Approach to Cardiac Disease for the Generalist**

Clarke Atkins, DVM, DACVIM

*Sponsor: Pfizer Animal Health*

A case-based format will be used to demonstrate how the generalist can make the appropriate diagnosis and treatment plan when clients refuse referral or when a specialist is not available. The focus will be on exam skills and techniques that all veterinarians have or can easily develop.

10:00 – 11:00

### **Perioperative and Intraoperative Anesthesia Problems, Part II**

Andrea Looney, DVM, DACVA

This lecture will describe newer drugs, modalities and techniques that can assist with chronic pain therapy in small and large animal patients.

10:00 – 11:00

### **Problems and Pain – A New Way of Thinking**

Shawn McVey, MA, MSW untended

*Sponsor: Pfizer Animal Health*

Life is difficult and overlooked problems hurt and never really go away. Learn to look at life and work problems from a whole new paradigm: as a catalyst for professional and spiritual growth. Learn how to develop healthy workplace behaviors that aren't simply coping mechanisms. Once we understand how to face problems with discipline, we can move through them and SOLVE them rather than obsess over them and pass them on to the people around us.

10:00 – 12:00

### **Common Problems in Thoracic Radiography: Test your Knowledge (Lab)**

Ned Dykes, DVM, DACVR and Margret Thompson, DVM, DACVR

Interpretation of thoracic radiographs is a daily task in most small animal practices. This image interpretation laboratory will focus on refining your ability to interpret common problems with confidence. During this interactive web-based laboratory, participants will work through a series of up to 15 cases of thoracic disease. Each case will provide relevant historical, physical and laboratory data, images viewable from the CUHA PACS system, and the imaging report with comments and teaching points as appropriate. A self-study period of at least an hour is allotted to work through the cases with personal instructor attention. We will then present a PowerPoint "quiz" using clicker technology so each participant can assess their skills. We will allow 20 minutes at the end of the lab for explanations and questions.

11:00 – 12:00

### **Management of Asymptomatic Heart Disease in Dogs**

Clarke Atkins, DVM, DACVIM (Internal Medicine and Cardiology)

*Sponsor: Pfizer Animal Health*

The logical and practical management of the most common cardiovascular

diseases in the dog (DCM and MR). The emphasis will be on intervention before there are attendant clinical signs, using an evidence-based approach.

11:00 – 12:00

### **Feline Life Stage Guidelines – Now What?**

Tony Buffington, DVM, MS, PhD, DACVN

What's new in feline wellness guidelines? AAFP-AAHA recently released Feline Life Stage Guidelines. Come discuss these "hot off the press" recommendations with a member of the committee. Learn the process, outcomes, limitations and implications of the guidelines for practice, hear suggestions for describing the guidelines to staff and clients, and learn how to make your practice more "cat friendly."

11:00 – 12:00

### **Challenges of Integration and Management of Professionals**

Shawn McVey, MA, MSW

*Sponsor: Pfizer Animal Health*

One of the biggest challenges for veterinary management teams is how to deal with the "emotional blackmail" that comes from trying to manage employees' performance. Learn subtle and direct techniques to influence staff who report to you and discover secrets of performance management that will work for you and your associates and employees.

12:00 – 1:30

### **Lunch**

Exhibit Areas

1:00 – 1:30

### **Grand Opening of New York State Veterinary Diagnostic Laboratory**



# COMPANION ANIMAL PROGRAM

1:30 – 2:30

## **Feline Hypertension: Risks, Diagnosis and Management**

Clarke Atkins, DVM, DACVIM

*Sponsor: Pfizer Animal Health*

Hypertension is the most important cardiovascular disease of the aged cat. The emphasis of this presentation is the recognition, appropriate management, and prevention of target organ damage in the hypertensive cat.

1:30 – 3:30

## **Sensitive Cat Syndrome? Lessons from the lower urinary tract**

Tony Buffington, DVM, MS, PhD, DACVN

*James R. Richards Memorial Lecture*

Many cats presented with lower urinary tract signs also have problems in other organ systems. Twenty years investigating these cats resulted in the premise that some cats may have a “Sensitive Cat Syndrome” that affects the bladder rather than a bladder disease, that it may result from adverse early experience, and that the signs may be more responsive to modification of the environment than any therapy focused on the bladder. This talk will present current concepts of the etiopathogenesis, diagnosis and management of this syndrome.

1:30 – 2:30

## **Communication Skills in The Workplace**

Shawn McVey, MA, MSW

*Sponsor: Pfizer Animal Health*

As sure as there are absolute protocols for good medicine there are some absolutes that must occur to achieve good communication. Most of the problems associated with a modern veterinary practice have absolutely nothing to do with medicine and everything to do with good communication. Gone are the days when a supervisor’s approach of “my way or the highway” can be effective. Being a skilled communicator is crucial in order to achieve long-term success. If you want to

improve your chances of success in whatever your position in the practice then this lecture will help.

1:30 – 2:30

## **Controlled Substances: How they get to the street and how they’re used on the street**

William Kane, DEA Investigator

This session will review how legal pharmaceuticals are used illegally and how controlled substances go from your practice to the street. Once controlled substances hit the street, they are altered in various ways to be sold to and used by addicts. The street prices for various legal pharmaceuticals obtained by addicts may surprise you. Who has access to controlled substances in your practice? Where and how do you store these drugs and is your prescription pad in your pocket and under your control at all times?

2:30 – 3:30

## **Systemic Arterial Embolism in Cats**

Clarke Atkins, DVM, DACVIM (Internal Medicine and Cardiology)

*Sponsor: Pfizer Animal Health*

There has been progress in treating and preventing this deadly and frustrating complication. After a discussion of the disease, its prognosis and its management, the focus will turn to prevention using anticoagulant therapies.

2:30 – 3:30

## **Lean and Mean: Getting Things Done**

Shawn McVey, MA, MSW

*Sponsor: Pfizer Animal Health*

What would happen in a veterinary practice if employees were rewarded for performance instead of for intentions and activities? How do you know what the barriers are to being a learning organization and how do you determine if you’re being held up by lack of competence?

2:30 – 3:30

## **DEA Rules and Regulations, Title 21, Code of Federal Regulations as they apply to veterinarians.**

William Kane, DEA Investigator

This session will review the records and reports that veterinarians are required to maintain to be in compliance with DEA regulations and federal law. Discussion will include (1) the basic requirements of registrants who dispense controlled substances, (2) ordering Schedule II-V controlled substances, (3) security of controlled substances and (4) accountability of controlled substances and (5) other records and reporting requirements.

3:30 – 4:00

## **Refreshment Break**

Exhibit Areas

Coffee in the Hagan Room

4:00 – 5:00

## **Heartworm Disease: For practitioners who don’t routinely see heartworms**

Clarke Atkins, DVM, DACVIM

*Sponsor: Pfizer Animal Health*

Advances in the diagnosis, prevention, and management of heartworm disease in dogs and cats will be discussed for practitioners who believe they rarely this disease. In addition to prevalence data, data on compliance and controversies in the management of infected dogs, including the use of macrolides as adulticides, will be covered. Material presented at the 2010 American Heartworm Symposium will be reviewed.

4:00 – 5:00

## **Helping Clients Adhere to Your Recommendations**

Tony Buffington, DVM, MS, PhD, DACVN

Helping clients adhere to medical and lifestyle recommendations requires professional communications skills. Effective communication skills have been shown to improve pet health, client satisfaction and increased practice activity. Unfortunately, they

have only recently been taught in veterinary schools and continuing education courses. This session will outline the communications skills needed to enhance adherence to our recommendations, suggest strategies to deploy them, and provide tools to measure their effectiveness.

4:00 – 5:00

## **The Elephant in the Living Room**

Shawn McVey, MA, MSW

*Sponsor: Pfizer Animal Health*

Most veterinary organizations suffer from the inability to act on the bilious forces of bad communication and employees who have crossed over to “the dark side.” For many practices there is an inability to correct culture because we just don’t know where to start. This lecture is designed to give you the words to confront the most pressing issues in your practice. Once the truth is told in any organization the path to correcting the environment becomes clear. Learn to address the elephant in the living room of your practice. If you are brave enough to face the “elephant” then you are ready to take your practice to the next level.

4:00 – 5:00

## **DEA Investigative Audit of Controlled Substances: Q&A**

William Kane, DEA Investigator

This session will answer the questions that veterinarians have asked about the various DEA regulations and federal law requirements regarding controlled substances.

## Saturday, October 2

7:00 – 7:50

### **NYSVMS Business Meeting**

Cafeteria, second floor

(limited to NYSVMS members, includes breakfast)

8:00 - 9:30

### **The Quantitative Analysis of the Hemogram: What do those numbers really mean?**

Rick Alleman DVM, PhD, DABVP, DACVP

*Sponsor: IDEXX*

The numbers generated by the automated hematology analyzer can be quite useful in the complete interpretation of the hemogram. This session will review the clinical implications of changes in red cell indices, the leukogram and the thrombogram.

8:00 - 9:30

### **The Nuts and Bolts of Dealing With a Critical Patient: Clinical Assessment of Shock**

Catherine Rogers, DVM, DACVECC

Shock can be generally defined as inadequate delivery of oxygen to tissues. There are several different categories of shock, including hypovolemic, cardiogenic and septic shock. This lecture will briefly review the general pathophysiology of shock states and discuss current available methods used to assess the severity of shock in the critically ill patient.

8:00 - 9:30

### **Tips and Tricks for Diagnostic Sampling (LVT)**

Linda Mittel, DVM; Belinda Thompson, DVM, Paul Virkler, DVM

Session begins with a 15-minute overview of the critical part that veterinary technicians can play in diagnostics with a simulated case to illustrate ways technicians can improve and expand this role. This is followed by three 20-minute, hands-on, interactive sessions that include: blood sampling (smears, tube

review, blood cultures, etc), sampling intestines and feces (fecal gram stain, anaerobic culture), and sampling solid organs (culture technique, fixed and fresh tissue sampling). Technicians will leave with technical handouts, prepared slides, and some diagnostic supplies.

8:00 - 9:30

### **Common Problems in Abdominal Radiography: Test Your Knowledge (Lecture)**

Margret Thompson, DVM, DACVR

[Lecture is prerequisite for lab]

9:30 – 10:00

### **Refreshment Break**

Exhibit Areas

Coffee in the Hagan Room

10:00 – 12:00

### **Hematology Case Challenges**

Rick Alleman DVM, PhD DABVP, DACVP

*Sponsor: IDEXX*

This session uses audience response devices to engage participants in medical cases where the hematological findings on the patient were critical in making a diagnosis and implementing appropriate therapy. Common hematological findings with significant clinical implications will be emphasized.

10:00 – 11:00

### **Hypovolemic Shock - A Case-Based Approach to Diagnosis and Treatment**

Gretchen Lee Schoeffler, DVM, DACVECC

This lecture will review the pathophysiologic mechanisms underlying hypovolemic shock with the goal of providing a broader clinical understanding that will lead to more rational use of crystalloids, colloids, blood products, inotropes, and vasoactive agents. Clinical cases will be used to illustrate signs exhibited by patients in early or severe shock, the value of point-of-care laboratory data in patient assessment, and the

importance of measuring resuscitation end-points for more effective hemodynamic stabilization of emergency patients.

10:00 – 12:00

### **Practical Advice for Veterinary Technicians Working with Behavior Cases (LVT)**

Kelley Bollen, MS, CABC

In today's busy veterinary clinics it is often the technician who is charged with helping clients deal with behavior problems. This lecture will start with a discussion on the important information to give to puppy and kitten parents to prevent behavior problems and move into advice on how to deal with the most common issues pet parents have with their dogs and cats — from barking and digging to litterbox problems.

10:00 – 12:00

### **Common Problems in Thoracic Radiography: Test your Knowledge (Lab)**

Ned Dykes, DVM DACVR and Margret Thompson, DVM, DACVR

Interpretation of thoracic radiographs is a daily task in most small animal practices. Image interpretation laboratories will focus on refining your ability to interpret common problems with confidence. During this interactive web-based laboratory, participants will work through a series of up to 15 cases of thoracic disease. Each case will provide relevant historical, physical and laboratory data, images viewable from the CUHA PACS system, and the imaging report with comments and teaching points as appropriate. A self-study period of at least an hour is allotted to work through the cases with personal instructor attention. We will then present a PowerPoint "quiz" using clicker technology so each participant can assess their skills. We will allow 20 minutes at the end of the lab for explanations and questions.

11:00 – 12:00

### **Cardiogenic Shock - Stabilizing Critically Ill Heart Failure Patients**

Daniel Fletcher, DVM, PhD, DACVECC

A case-based approach will be used to discuss the principles behind stabilization of dogs and cats with cardiogenic shock. The common diseases associated with congestive heart failure will be reviewed and treatment strategies directed at management of acute life-threatening complications of heart disease described. Audience participation via a remote response system will be encouraged.

12:00 – 1:00

### **Lunch**

Exhibit Areas

1:00 – 2:00

### **The Diagnosis and Management of Canine Ehrlichial Infections**

Rick Alleman DVM, PhD DABVP, DACVP

*Sponsor: IDEXX*

*Ehrlichia canis* can cause active infection with evidence of mild to severe clinical disease or subclinically infected carrier states. This session is case based with audience response devices and reviews the most current thoughts on the diagnosis and management of *E. canis* infection in dogs.

1:00 – 2:00

### **Septic Shock - Tips for Treating the Unstable Septic Patient**

Catherine Rogers, DVM, DACVECC

Septic shock has historically been very challenging to treat and often carries with it an unfavorable prognosis. This type of shock can result in both systemic and localized microvascular and endothelial dysfunction leading to an inappropriate distribution of blood throughout tissues. In this lecture, we will review the pathophysiology of septic shock and current methods available to help improve clinical outcome.



# COMPANION ANIMAL PROGRAM

1:00 – 2:00

## Anesthesia Monitoring I (LVT)

Beverly Smith, LVT, VTSA

The first part of this two-part lecture will cover basic and advanced monitoring techniques for veterinary technicians, including tips that can be taken back to the clinic and immediately put into use. Topics include interpreting basic vital signs, maintaining core body temperature, oximetry, direct and indirect blood pressure techniques. The electrocardiogram and tidal carbon dioxide will be emphasized, with less emphasis on blood gases and central venous pressure.

1:00 – 2:00

## Nonconventional Drugs and Techniques for Pain Relief

Andrea Looney, DVM, DACVA

This lecture will describe newer drugs, modalities and techniques that can assist with chronic pain therapy in small and large animal patients.

2:00 – 2:30

## Refreshment Break

Exhibit Areas

Coffee in Hagan Room

2:30 – 3:30

## The Diagnosis and Management of Canine Anaplasma Infections

Rick Alleman DVM, PhD DABVP, DACVP

*Sponsor: IDEXX*

*Anaplasma phagocytophilum* can cause active infection with evidence of mild to severe clinical disease or subclinically infected carrier states. This session is case based with audience response devices and reviews the most current thoughts on the diagnosis and management of *A. phagocytophilum* infection in dogs.

2:30 – 3:30

## Cardiopulmonary Arrest: An algorithmic approach to resuscitation

Gretchen Lee Schoeffler, DVM, DACVECC

Cardiopulmonary cerebral resuscitation (CPCR) is an important technique to put into practice when patients suffer unexpected cardiac arrest. This lecture will provide veterinarians with an understanding of the concepts supporting both basic life support and advanced life support techniques as translated from the 2005 American Heart Association's Guidelines for Cardiopulmonary Resuscitation. That understanding will then be practically applied to the veterinary patient utilizing an algorithmic approach.

2:30 – 3:30

## Anesthesia Monitoring II (LVT)

Beverly Smith, LVT, VTSA

The second part of this two-part lecture will cover basic and advanced monitoring techniques for veterinary technicians, including tips that can be taken back to the clinic and immediately put into use. Topics include interpreting basic vital signs, maintaining core body temperature, oximetry, direct and indirect blood pressure techniques. The electrocardiogram and tidal carbon dioxide will be emphasized, with less emphasis on blood gases and central venous pressure.

2:30 – 3:30

## Managing Chronic Enteropathies in Dogs

Kenneth Simpson, BVMS&S, PhD, DACVIM, DECVIM

The way we diagnosis and manage chronic intestinal disease in dogs has changed! Less idiopathic, less steroids, more structured treatment plans and better outcome.

3:30 – 4:30

## The Diagnosis and Management of Canine Bartonellosis

Rick Alleman DVM, PhD DABVP, DACVP

*Sponsor: IDEXX*

*Bartonella spp.* can cause active infection with evidence of mild to severe clinical disease or subclinically infected carrier states. This session is case based with audience response devices and reviews the most current concepts on the diagnosis and management of Bartonellosis in dogs.

3:30 – 5:00

## Practicing CPR - An Interactive, Case-Based Simulation

Daniel Fletcher, DVM, PhD, DACVECC

Dog and cat manikin simulators with physiologic feedback (heart and lung sounds, spontaneous breathing, palpable pulses, and a patient monitor) will be used to practice cardiopulmonary cerebral resuscitation (CPCR) with volunteers from the audience and/or staff of the Cornell University Hospital for Animals. Realistic, real-time scenarios will be played out and the results of the code discussed with audience participation.

3:30 – 5:00

## The Technician's Guide to Perfect Films (LVT)

Margret Thompson, DVM, DACVR

You took great plain films and digital radiography makes everything easier but your films are not always quite as pretty. Why? Come learn more about digital radiography and how to fix those pesky CR and DR image quality problems and artifacts. Bring your questions and problem images.

3:30 – 5:00

## Management of Persistent Vomiting

Kenneth Simpson, BVMS&S, PhD, DACVIM, DECVIM

It won't stop vomiting—What do I do? Antiemetics? Prokinetics? Antacids? A problem based approach to persistent vomiting.

4:30 – 5:00

## Cytological Diagnosis of Feline Lymphoma

Rick Alleman DVM, PhD DABVP, DACVP

*Sponsor: IDEXX*

In the canine, lymphoma is readily diagnosed by cytological evaluation of affected tissues. However, in the cat, the diagnosis is at times challenging due to the types of lymphomas present in the feline species. This session reviews the various types of lymphoma that occur in the cat and discusses how clinical presentation and signalment of the patient can be used to facilitate a cytological diagnosis.

## Sunday, October 3

8:00 – 9:00

## Genetics of Behavior Problems

Katherine Houpt, VMD, PhD, DACVB

Breed differences in behavior indicated there are genetic differences in behavior. The fact that foxes could be bred for tameness confirmed that. The ability to identify dogs at risk of behavior problems is our goal. So far the only gene proved to be directly responsible for an abnormal behavior is that for flank sucking in Dobermans, but several groups including ours are seeking the gene responsible for Spaniel rage.

8:00 -8:30

## How We Make Errors: The Fundamentals

John Ludders, DVM, DACVA

Errors occur in the "doing" of anesthesia. Eighty percent or more of such errors are due to human error. These errors are not made willfully by incompetent, careless professionals, but by competent and caring professionals. So why and how do these errors occur? This lecture will focus on the answers to this question.

8:00 – 9:30

**Update on Mast Cell Tumors and Targeted Therapies for Companion Animals**

Cheryl Balkman, MS, DVM, DACVIM; Kelly Hume, DVM, DACVIM; Kenneth Rassnick, DVM, DACVIM

Mast cell tumors (MCTs) occur frequently in dogs and often present a diagnostic and therapeutic challenge to practitioners. Although many MCTs are cured with surgery, some require additional therapy for local and systemic control. This presentation will review diagnosis, staging, prognostic indicators, and treatment recommendations for canine MCTs. Tyrosine kinase inhibitors will be discussed as well as case examples of different treatment modalities and outcomes.

8:30 – 10:30

**Errors: Anesthesia Treasures (case examples)**

John Ludders, DVM, DACVA

The previous lecture discussed in general terms why and how errors occur. This lecture will present case examples that demonstrate the concepts covered in the first lecture and how they can be applied to error analysis.

9:30 – 10:30

**Separation Anxiety**

Katherine Houpt, VMD, PhD, DACVB

Separation anxiety affects about 20% of dogs. Dogs at risk are re-homed dogs, male dogs and those with a single female owner. There are two FDA-approved medications to help reduce separation anxiety and it is humane to treat these dogs who videotaping reveals to be suffering. In addition the owner must help the dog learn to tolerate a lack of attention from and proximity to the owner.

9:30 – 12:00

**Canine Influenza Virus**

Cynda Crawford, DVM, PhD

*Sponsor: Intervet/Schering-Plough Animal Health*

This two-hour presentation will cover epidemiology, clinical disease, diagnosis, treatment, and prevention of canine influenza

10:30 – 11:00

**Refreshment Break**

Exhibit Areas

Coffee in the Hagan Room

11:00 – 12:00

**Aggression in Cats**

Katherine Houpt, VMD, PhD, DACVB

Most aggression by cats to humans is fear based so the veterinarian's responsibility is to reduce the cat's fear as well as to protect the owner. Psychoactive medication can be helpful as can training. Aggression between cats is more difficult to treat but long slow reintroduction with different medications for the victim and the aggressor can help resolve the issue.

11:00 – 12:00

**Dogs and Protein: Different dogs, different approaches?**

Joseph Wakshlag, DVM, PhD, DACVN

*Sponsor: P&G Pet Care*

Dogma in dietary protein has led to general recommendations of lower protein in commercial feeds as dogs get older which is reflected in many senior feeds today. However, the idea of lower dietary protein is not ideal for all aging dogs and may even be detrimental. In the performance arena, the use of dietary protein, timing of its use and the sources of dietary protein may make a significant difference when looking for that edge.

12:00 – 1:00

**Sensible Treatment of Aggression in Dogs**

Katherine Houpt, VMD, PhD, DACVB

Our first job is to protect people, including the owners, from injury. Our second job is to reduce aggression by teaching owners how to avoid the circumstances that lead to aggression as well as helping them control the dog. Decreasing aggression by behavior modification and serotonin-enhancing drugs can help many dogs. Aggression can seldom be completely eradicated (cured), but it can be controlled.

12:00 – 1:00

**From Fat to Fit - Combating Obesity!**

Joseph Wakshlag, DVM, PhD, DACVN

*Sponsor: P&G Pet Care*

Obesity is the number one health concern for veterinarians and the battle is being lost due to lack of attention, poor client communication and a lack of adequate calorie restriction. Although we have therapeutic diets that are used to enhance satiety or lean body mass, our biggest problem is client compliance. The major factor in success is client accountability, which we can achieve through better monitoring and a handbag of tools to enhance owner awareness.

12:00 – 1:00

**Multiplex Analysis of Antibodies to *B. burgdorferi*: Insights into the immune response and new diagnostic tools for Lyme disease in dogs**

Bettina Wagner, DVM, PhD

*Sponsor: Merial*

Lyme disease is caused by the spirochete *B. burgdorferi* which is transmitted to mammalian hosts by infected ticks (*Ixodes spp.*). In dogs, the disease is commonly diagnosed by detection of serum antibodies to *B. burgdorferi* which can be performed by ELISA and immune-blotting or by snap tests. Multiplex analysis is a new sensitive assay to analyze antibodies to various infection and vaccination markers of *B. burgdorferi* both simultaneously and quantitatively in a single sample.



# EQUINE PROGRAM

## Friday, October 1

8:00 – 9:00

### The News Hour

Thomas Divers, DVM, DACVIM, DACVECC, and Norm Ducharme, DVM, MSc, DACVS

The major articles of the year in equine medicine and surgery will be reviewed by the presenters and the clinical significance of the findings briefly discussed while answering questions and comments from the attendees. This thoughtful session will present the more accurate practitioner's perspective from a surgeon's point of view.

9:00 – 9:30

### Management of Challenging Limb Wounds

Richard Hackett, DVM, DACVS

This presentation will focus on management of challenging lower limb wounds. General strategies for wound management will be discussed but emphasis will be on management of two classes of common wounds—those that have sustained marked local trauma and are at high risk of synovial space infection and those that have sustained substantial tissue loss and are at high risk of prolonged healing and exuberant granulation tissue.

9:30 – 10:00

### Refreshment Break

Exhibit Areas

Coffee in the Hagan Room

10:00 – 10:30

### Beginning to See the Light: Pediatric Ophthalmology

Ann Dwyer, DVM

The lecture will discuss ophthalmology of the young horse, focusing on issues that are present at birth or acquired in the first weeks to months of life. Examination of the newborn foal will be covered as well as the etiology, diagnosis and treatment of ocular conditions commonly found in young horses.

10:30 – 11:30

### Applications of Assisted Reproduction in Horses

Dirk Vanderwall, DVM, PhD, DACT

Embryo transfer is currently the most widely utilized assisted reproductive technology for mares.

Although embryo transfer provides a means of obtaining pregnancies from mares that might not otherwise be capable of producing offspring, some mares cannot provide embryos for transfer; however, mares such as these can serve as oocyte donors and continue to produce foals through newer assisted reproductive techniques. Similarly, stallions with low sperm numbers and/or poor semen quality can benefit from these same technologies. And perhaps the ultimate assisted reproductive technology is cloning, which has been used to produce genetically identical mules and horses. This presentation will provide an overview of the current status of these new assisted reproductive techniques for mares and stallions.

11:30 – 12:00

### Sudden mare death: What to do if the owner wants a foal

Sylvia Bedford-Guaus, DVM, PhD, DACT

Sooner or later the equine practitioner is faced with the sudden and unexpected death of a valuable mare from which the owner wanted to obtain offspring. This lecture will present the options that can be offered to the owner regarding ovary/oocyte retrieval, shipment to a referral facility for fertilization, and transfer to a recipient mare.

12:00 – 1:30

### Lunch

Exhibit Areas

1:00 – 1:30

### Grand Opening of New York State Veterinary Diagnostic Laboratory

1:30 – 3:00

### Lab A: Vitrification of Equine Embryos

Dirk Vanderwall, DVM, PhD, DACT, and Sylvia Bedford-Guaus, DVM, PhD, DACT

This lab will offer hands-on practice as to the exact process to be followed for equine embryo vitrification and storage.

1:30 – 3:00

### Lab B: Best Case of the Year Presentations

Toby Pinn, DVM, Theresa Ollivett, DVM, Heidi Reesink, VMD, and Alanna Zantingh, DVM

Large animal surgery and medicine residents will present four cases that required follow-up by the referring veterinarian after discharge from Cornell's Equine and Farm Animal Hospital. Unique aspects of diagnosis, treatment and care on the farm will be thoroughly discussed.

3:00 – 3:30

### Refreshment Break

Exhibit Areas

Coffee in the Hagan Room

3:30 – 5:00

### Lab A: Vitrification of Equine Embryos (repeated)

Dirk Vanderwall, DVM, PhD, DACT, and Sylvia Bedford-Guaus, DVM, PhD, DACT

3:30 – 5:00

### Lab B: Best Case of the Year Presentations

Toby Pinn, DVM, Theresa Ollivett, DVM, Heidi Reesink, VMD, and Alanna Zantingh, DVM

Among the cases presented in this lecture will be the case of an eight-year-old Quarter Horse mare who presented for diarrhea and azotemia. Blood work performed by the referring veterinarian revealed markedly elevated serum BUN and creatinine and dehydration. After admission, supportive care for renal failure was

administered for approximately 36 hours prior to discharge for further care at home. The referring veterinarian played an integral role in the treatment of the mare once discharged.

## Saturday, October 2

8:00 – 9:00

### Overview of Most Common Uses for Ultrasound in Equine Medicine at Private Referral Hospitals

Fairfield Bain, DVM, MBA, Dipl. ACVIM, ACVP, ACVECC

This presentation will cover a spectrum of applications for diagnostic ultrasound currently in common use in private practice settings, including imaging of the thorax, abdomen, and small parts. The presentation will focus on applications to the sick patient - specifically colic and other medical conditions — rather than musculoskeletal or reproductive applications. The goal is to familiarize the participant with conditions that can be diagnosed using ultrasound as a tool in practice to achieve a rapid, on-site diagnosis.

9:00 – 9:30

### Hyperbaric Oxygen Therapy - Principles and Indications

Fairfield Bain, DVM, MBA, Dipl., ACVIM, ACVP, ACVECC

Hyperbaric oxygen chambers for animals are becoming more available regionally. This presentation will be from a comparative perspective and will discuss the principles — physics and physiology — behind the use of hyperbaric oxygen for medical conditions in animals and how it can be another tool to address certain problems in both the horse and companion animals.

9:30 – 10:00

### Refreshment Break

Exhibit Areas

Coffee in the Hagan Room

## EQUINE PROGRAM

10:00 – 10:30

### **Lyme Disease in Horses: A novel multiplex assay to improve the diagnostic of antibodies to *B. burgdorferi***

Bettina Wagner, DVM, PhD

*Sponsor: Merial*

Lyme disease is transmitted to mammalian hosts by ticks (*Ixodes spp.*) infected with the spirochete *B. burgdorferi*. In horses, the disease is commonly diagnosed by detection of serum antibodies to *B. burgdorferi* by ELISA and immune-blotting. Multiplex analysis is a new sensitive assay to analyze antibodies to various infection and vaccination markers of *B. burgdorferi* both simultaneously and quantitatively in a single sample and to distinguish between early and chronic stages of infection.

10:30 – 11:00

### **Magnetic Resonance Imaging in Horses**

Peter Scrivani, DVM, DACVR

The Cornell University College of Veterinary Medicine is installing a high-field (1.5T) MR scanner that will be operational in the fall of 2010. The lecture will introduce the imaging technology and discuss clinical applications in horses that are primarily musculoskeletal imaging of the distal extremity and neuro-imaging. Case examples will be used to show the indications and unique advantages of this imaging modality.

11:00 – 11:30

### **Can Minocycline Replace the Use of Doxycycline in Equine Practice?**

Lauren Schnabel, DVM, DACVS

Minocycline holds great potential for use in horses not only for its antimicrobial properties but also for its anti-inflammatory and neuroprotective properties. This lecture will discuss the pharmacokinetics, safety, and penetration of minocycline into plasma, synovial fluid, cerebral spinal fluid, and aqueous humor

after oral administration of multiple 4mg/kg doses in horses. This is the first pharmacokinetic and safety data available on the use of minocycline in horses and will be compared to that of doxycycline.

11:30 – 12:00

### **Efficient and Practical Lamellar Cryotherapy in the Horse**

Jon Cheetham, VetMB, PhD, DACVS

Cryotherapy of the equine digit is the only treatment that has been shown to prevent the development of acute laminitis in horses. The goal of this study was to compare digital venous temperature to lamellar temperature following the application of three separate methods of cryotherapy to the equine distal limb using a randomized, crossover study design. Gel boots produced mild hoof cooling (range 5-10 °C); ice bags produced marked cooling (range 15-20 °C), and the wader boot produced the most profound cooling below baseline lamellar temperature (range 20-25 °C), reaching lamellar temperatures of 10°C. Digital venous temperature closely correlated with lamellar temperature. Further investigation is required to determine the temperature required to produce an optimal prophylactic effect.

12:00 – 1:00

### **Lunch**

Exhibit Areas

1:00 – 2:30

### **Lab A: General ultrasound lab**

Fairfield Bain, DVM, MBA, Dipl., ACVIM, ACVP, ACVECC

This will be a hands-on experience using ultrasound imaging for evaluation of medical problems of the horse — focusing mainly on the thorax, abdomen, and small parts such as the jugular vein, throat, and eye. The experience will provide for optimal “knobology” to produce the best quality image possible as well as an understanding of a systematic examination of the chest and abdomen in the sick equine patient.

1:00 – 2:30

### **Lab B: 911 — Adult and Foal Diarrheas: How to do a complete diagnostic workup**

Linda Mittel, MSPH, DVM

Discussion of diagnostic flow charts and new AHDC panels for acute and chronic diarrhea in the adult and foal. Included in the discussion will be new diagnostic tests, changes in sampling techniques, and information on easy-to-use AHDC kits for complete testing. Lab session to include: (1) hands on stations including ELISA testing for Clostridium toxins, inoculations of transport media, (2) disinfectants and “fomite” control, and (3) “How-to Session” on using kits to get optimum results.

2:30 – 3:00

### **Refreshment Break**

Exhibit Areas

Coffee in the Hagan Room

3:00 – 4:30

### **Lab B: 911 – Adult and Foal Diarrheas: How to do a complete diagnostic workup (repeat)**

Linda Mittel, MSPH, DVM

3:00 – 4:30

### **Lab A: General ultrasound lab – (repeat)**

Fairfield Bain, DVM, MBA, Dipl., ACVIM, ACVP, ACVECC



# BOVINE PROGRAM

## Friday, October 1

8:00 – 9:30

### Lameness in Dairy Cattle: A debilitating disease or a disease of debilitated cattle?

Rodrigo Bicalho, DVM, PhD

Lameness affects the dairy industry in several different ways: lower milk production, decreased reproductive efficiency, and increased cull/death rates. Additionally, lameness is an incredibly visible disruption of the welfare of dairy cows. In this lecture, the findings of recent research, conducted in commercial dairy farms near Ithaca, NY, associating the thickness of the digital cushion with the prevalence of lameness, will be described as well as novel strategies to prevent and treat lameness.

9:30 – 10:00

### Refreshment Break

Exhibit Areas

Coffee in the Hagan Room

10:00 – 12:00

### Field Investigations for Respiratory Disease in Dairy Heifers

Donald Sockett, DVM, MS, PhD, DACVIM

Respiratory disease in dairy heifers is multi-factorial. Solving a calf pneumonia problem requires a systematic approach which includes some diagnostic testing. Colostrum management, nutrition, animal density and heat/cold management should be evaluated. In addition, building and pen design and ventilation should be examined. Pharyngeal swabs should be collected from 4-6 calves with acute respiratory disease to determine if the vaccination and anti-microbial drug treatment protocols need to be changed.

12:00 – 1:30

### Lunch

Exhibit Areas

1:00 – 1:30

### Grand Opening of New York State Veterinary Diagnostic Laboratory

1:30 – 3:00

### Diagnostics for Respiratory Disease in Dairy Heifers

Donald Sockett, DVM, MS, PhD, DACVIM

Solving dairy heifer pneumonia problems requires knowledge of the bacteria and viruses that are present in acutely affected animals. Testing of lungs from heifers that have died of respiratory disease is problematic because most animals have been treated with three or more different anti-microbial drugs for several days prior to death. Deep pharyngeal swabs collected from 4-6 calves with acute respiratory disease is an excellent tool whereby diagnostic samples can be tested for respiratory viruses and bacteria.

3:00 – 3:30

### Refreshment Break

Exhibit Areas

Coffee in the Hagan Room

3:30 – 5:00

### Farm Animal Wellbeing Roundtable

Frank Welcome, DVM, DACT, MBA; Kathy Finnerty, MS, Program Manager, NYS Cattle Health Assurance Program

Farm animal welfare concerns have become common publicly-debated issues. Animal rights and anti-animal agriculture organizations have depicted common husbandry practices, often out of context, as cruel and inhumane. These exposés have resulted in consumers becoming increasingly concerned about modern agricultural practices and have tainted the image of veterinarians and farmers as animal care givers. This roundtable discussion will

present a forum for veterinarians to discuss their roles as providers and advisors of welfare practices to live-stock farmers and present resources available to practitioners to improve animal wellbeing.

## Saturday, October 2

8:00 – 9:30

### Differential Diagnosis of Heifer Respiratory Disease (lecture)

Gerald Duhamel, DVM, PhD, DACVP

This lecture and wet lab will review differential diagnosis of respiratory disease in dairy heifers and present practical procedures for performing a complete field gross postmortem examination including appropriate specimen selection for pathological and microbiological examinations. Special emphasis will be given to normal anatomy, pattern recognition of specific respiratory diseases, lesions of diagnostic significance, and differentiation from post mortem changes and common artifacts. Guidelines for preparation of submission forms including pertinent history, gross description, and sample labeling will be described. A field necropsy kit available through the Animal Health Diagnostic Center at Cornell and proper procedures for shipping specimens to a diagnostic laboratory also will be reviewed.

9:30 – 10:00

### Refreshment Break

Exhibit Areas

Coffee in the Hagan Room

10:00 – 12:00

### Differential Diagnosis of Heifer Respiratory Disease (wet lab)

Gerald Duhamel, DVM, PhD, DACVP

[Limited to 15 participants]



# CAMELID/SMALL RUMINANT PROGRAM

## Saturday, October 2

8:00 – 9:00

### Sheep and Goat Pharmacy

Joan Bowen, DVM

Very few pharmaceuticals are licensed or labeled for use in sheep or goats, and AMDUCA and ELDU regulations limit access to many commonly used drugs. Topics to be covered include common drug choices, differences in route and frequency of administration, determining withdrawal times, banned drugs, and recommendations for treating common health problems such as respiratory disease, mastitis, metritis, soft tissue infections, and neurological disease.

9:00 – 9:30

### Encouraging Sheep and Goat Producers to Improve Production Efficiency

Joan Bowen, DVM

All livestock producers need to maximize sources of income from the same animals in a tough economy. Opportunistic producers are increasing income by raising sheep that produce both high-quality lamb carcasses and high-value hand-spinning fleeces. Sheep and goat producers using specific pathogen prevention programs experience higher survival rates for youngstock that exceed their replacement needs and this excess can then be sold to new or expanding producers. Improved nutrition and management programs decrease expenses by preventing disease and increasing growth rates.

9:30 – 10:00

### Refreshment Break

Exhibit Areas

Coffee in the Hagan Room

10:00 – 11:00

### Prevention and Treatment of Nutritional and Metabolic Diseases in Sheep and Goats

Joan Bowen, DVM

Many of the acute, life-threatening emergencies of sheep and goats are metabolic crises that could be prevented

through better nutritional management. Diagnosis, prevention and treatment of pregnancy toxemia, hypocalcemia, neonatal hypoglycemia, lactational ketosis, and mineral imbalances are among the topics discussed.

11:00 – 12:00

### Inserting the Veterinarian into Sheep and Goat Production Cycles

Joan Bowen, DVM

A common complaint from many sheep and goat producers is their inability to find a veterinarian willing to see their acutely ill animals or who will assist them in developing herd health programs. The actual livestock production cycle offers many opportunities for the interested veterinarian to provide assistance or consultation on nutrition, biosecurity, herd health, disease prevention, reproductive examination and pregnancy diagnosis.

12:00 – 1:00

### Lunch

Exhibit Areas

1:00 – 2:30

### Selected Topics in Camelid Reproduction: From hysterectomy to uterine torsion

Sylvia Bedford-Guaus, DVM, PhD, DACT

The first part of this lecture will consist of the presentation of a series of reproductive cases in female camelids, with emphasis on diagnostic techniques, including a discussion on the usefulness of hysterectomy. In the second part of the lecture, the diagnosis and medical management of uterine torsion as a cause of dystocia in camelids will be discussed.

2:30 – 3:00

### Refreshment Break

Exhibit Areas

Coffee in the Hagan Room

3:00 – 4:00

### Ocular Examination and Diseases of Camelids

Eric Ledbetter, DVM, DACVO

Ocular disease is prevalent in many camelid populations and a variety of conditions are commonly encountered in clinical practice. Basic anatomical features of the camelid eye and ophthalmic examination techniques will be reviewed. The clinical features, diagnosis, and treatment of ocular diseases that are particularly common in, or unique to, camelids will be discussed.

4:00 – 5:00

### Blood and Plasma Transfusions in the Field

Toby Pinn, DVM

This lecture will summarize the indications for camelid blood and plasma transfusions in the field and include a discussion of camelid immunology and methods for measuring passive transfer of immunoglobulin. Venous catheterization will be explained, along with blood collection techniques and the equipment required.

## Sunday, October 3

8:30 – 9:30

### New Developments in Small Ruminant and Camelid Medicine

Mary Smith, DVM, DACT, and Joan Bowen, DVM

Come hear the latest news on new drug approvals for small ruminants such as the recent approval of CIDRS in sheep, updates on the continuing outbreaks of Q fever in the Netherlands and Canada, a project to collect photographs of every breed of sheep and goats, and the news on tranquilizers and anesthetics for camelids. Topics will be added as new information becomes available.

9:30 – 10:30

### Share Your Small Ruminant Questions and Answers

Mary Smith, DVM, DACT, Moderator

The audience is invited to participate

by presenting nagging questions about and brilliant solutions for everyday problems in small ruminant medicine. The best learning at a conference often comes from discussions with colleagues in the hallway. Take this opportunity to continue the process in the lecture room where more people can hear and contribute.

8:30 – 10:30

### Ovine and Caprine Parasite Control

Dwight Bowman, PhD

These labs will review the common protozoan, nematode, and arthropod parasites of sheep and goats. Examine routine methods of diagnosis using fecal samples. Display means of morphological identification of the various eggs and cysts found in fecal samples and what is required to identify the eggs based on the morphology of larvae from culture. Also, presented will be some of the newer molecular methods for determining the species identification of eggs of *Haemonchus* in fecal samples without the need for larval culture that will ultimately save time in diagnosis of whether the eggs of this pathogenic species are present in a fecal sample.

10:30 – 11:00

### Refreshment Break

Exhibit Areas

Coffee in the Hagan Room

11:00 – 1:00

### Breeding Soundness Examination of the Ram

Katherine Beltaire DVM, DACT, and Mary Smith, DVM, DACT

During this session, the procedure for conducting a ram breeding soundness examination will be discussed and demonstrated, including collection of a history, examination of the external genitalia, assessment of libido, semen collection and evaluation, and the classification criteria for potential breeders.

11:00 – 1:00

### Ovine and Caprine Parasite Control (repeat)

Dwight Bowman, PhD

# New York State Veterinary Conference



*Hosted by the New York State Veterinary Medical Society and the  
Cornell University College of Veterinary Medicine*

**September 30 - October 3, 2010** (Thursday-Sunday) / Ithaca, NY

## Earn 18 Hours of Continuing Education

The NYS-VC offers 104.5 hours of continuing education in three days. The total number of C.E. hours per day are as follows: Friday-6.5; Saturday-6.5; Sunday-4.5.

This conference has been submitted (but not yet approved) for 18 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 certain methods of delivery of continuing education. Call Amanda Mott at 607.253.3200 for further information.

A RACE certificate will be mailed to every registrant after the conference.

## CE

	Fri. 10/1	Sat. 10/2	Sun. 10/3	TOTAL C.E. Hours
Companion Animal	18.0	21.0	13.5	52.5
Practice Mgmt.	5.0	-	-	5.0
Regulatory (Kane)	3.0	-	-	3.0
Bovine	6.5	3.5	-	10.0
Equine	6.5	6.5	-	13.0
Small Ruminant	-	6.0	8.0	14.0
Veterinary Technician	-	7.0	-	7.0
<b>TOTAL C.E. Hours</b>	<b>39.0</b>	<b>44.0</b>	<b>21.5</b>	<b>104.5</b>