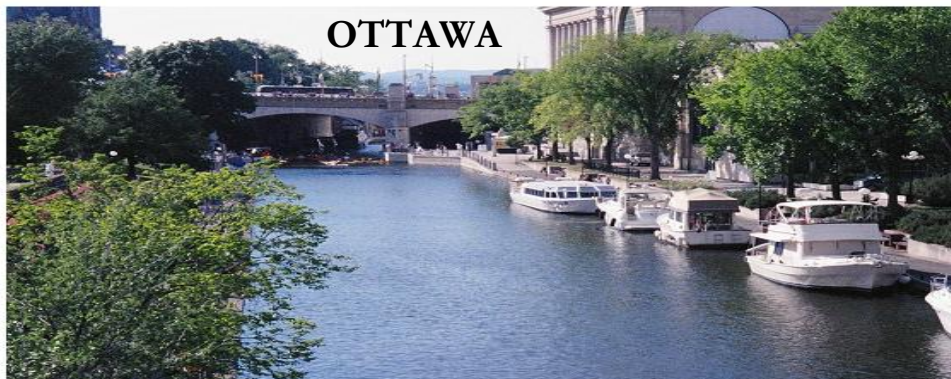


*AMERICAN EMBRYO TRANSFER ASSOCIATION  
CANADIAN EMBRYO TRANSFER ASSOCIATION*



**2006 AETA & CETA/ACTE  
JOINT CONVENTION  
REGISTRATION BOOKLET**



**OTTAWA**

*October 5-7, 2006*

*The Westin Ottawa, Ottawa, Ontario, Canada*

## SCHEDULE OF EVENTS

### Wednesday, October 4

8:00 am – 10:30 am	CETA/ACTE Certification Committee Meeting
11:00 am – 6:00 pm	AETA Board of Directors' Meeting
11:00 am – 6:00 pm	CETA/ACTE Board of Directors' Meeting
1:30 pm – 5:00 pm	AETA Certification Exam
1:30 pm – 5:00 pm	CETA/ACTE Certification Exam

### Thursday, October 5

6:00 am – 2:00 pm	Golf Tournament at Stonebridge Golf & Country Club
1:00 pm – 4:00 pm	Registration
1:00 pm – 4:00 pm	Exhibit Set-up
2:10 pm – 4:10 pm	Wet Labs
4:20 pm – 8:30 pm	Pre-conference Social – Wakefield Steam Engine/Sunset Dinner Train

### Friday, October 6

6:45 am – 7:45 am	Continental Breakfast in Exhibit Area
6:45 am – 7:30 pm	Exhibits Open
6:45 am – 5:00 pm	Registration
10:00 am – 3:00 pm	Companion Tour – Gatineau Park & Mackenzie King Estate
7:45 am – 8:00 am	Welcome and Announcements
8:00 am – 10:30 am	Scientific Presentations
10:30 am – 11:00 am	Break in Exhibit Area
11:00 am – 12:30 pm	AETA Annual Business Meeting
11:00 am – 12:30 pm	CETA/ACTE Annual General Meeting
12:30 pm – 1:30 pm	CETA/ACTE New Board of Directors' Meeting
12:30 pm – 1:30 pm	Lunch
1:30 pm – 3:00 pm	Scientific Presentations
3:00 pm – 3:30 pm	Break in Exhibit Area
3:30 pm – 5:00 pm	Scientific Presentations
6:00 pm – 7:30 pm	Social "Hour" in Exhibit Area
7:30 pm – 10:00 pm	Banquet

### Saturday, October 7

6:45 am – 8:00 am	AETA Past Presidents/Board of Directors' Breakfast
7:00 am – 8:00 am	Continental Breakfast in Exhibit Area
7:00 am – 3:00 pm	Exhibits
7:00 am – 4:00 pm	Registration
10:20 am – 12:30 pm	Companion Tour – Ottawa River Boat Cruise
8:00 am – 10:00 pm	Breakout Session – ET 101 with a Technical Slant
8:00 am - 10:00 pm	Breakout Session – Small Ruminants
8:00 am – 10:00 am	Scientific Presentations
10:00 am – 10:30 am	Break in Exhibit Area
10:30 am – 11:30 am	AETA Certification Session/APHIS Update
10:30 am – 12:15 pm	Scientific Presentations
12:15 pm – 1:30 pm	Lunch
12:15 pm – 1:30 pm	Joint Convention Committee Meeting
1:30 pm – 2:30 pm	Scientific Presentations
2:30 pm – 3:00 pm	Break in Exhibit Area
3:00 pm – 5:00 pm	Practitioners' Forum / Roundtable Discussion
3:00 pm – 6:00 pm	Exhibit Teardown

## **AETA BOARD OF DIRECTORS**

President: Dr. Patrick Richards, Bliss, Idaho  
Vice President: Dr. Ron Kling, Grantsville, Maryland  
Secretary-Treasurer: Dr. Steve Hughes, Lenexa, Kansas  
Immediate Past President: Dr. Thomas Rea, Berthoud, Colorado

Directors  
Dr. Todd Bickett, Chickamauga, Georgia  
Dr. David Duxbury, Amery, Wisconsin  
Dr. Cheryl Nelson, Versailles, Kentucky  
Dr. Allen Rushmer, Leola, Pennsylvania  
Dr. Byron Williams, Plymouth, Wisconsin

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## **CETA/ACTE BOARD OF DIRECTORS**

President: Dr. Richard Remillard, Delta, British Columbia  
Vice President: Dr. Gary Morgan, O'Leary, Prince Edward Island  
Immediate Past President: Dr. Martin Darrow, Abbotsford, British Columbia

Directors:  
Dr. Ron Herron, Belleville, Ontario  
Dr. Rod McAlister, Calgary, Alberta  
Dr. David Hamilton, Morden, Manitoba  
Dr. Jean René Paquin, Riviere-du-Loup, Quebec  
Dr. Louis Picard, Ste-Foy, Quebec  
Dr. Alain Moreau, CFIA representative, Ottawa, Ontario  
Mr. Rick McDonald, CLGA representative, Guelph, Ontario

CETA/ACTE Office  
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Web site: [www.ceta.ca](http://www.ceta.ca)

## **2006 CONVENTION COMMITTEE**

**AETA**  
Convention Chair: Ron Kling, DVM  
Exhibit Chair: David Duxbury, DVM

**CETA/ACTE**  
Convention & Exhibit Chair:  
Ron Herron, DVM

## HOTEL INFORMATION

### Accommodations

The 2006 AETA & CETA/ACTE Joint Convention will be held at the Westin Ottawa, Ottawa, Ontario, Canada. Rooms are being held at a group rate of \$169 CAD per night for single/double occupancy for Traditional Rooms & \$209 CAD per night for single/double occupancy for Deluxe Rooms. Reservations must be made prior to **September 5, 2006**. After this date, reservations will only be accepted upon availability and at the current rack rate. The convention rate will not apply for reservations after **September 5**. Please give the hotel the group name 'Canadian Embryo' or 'American Embryo' when making a reservation. The costs for parking at the hotel are: \$15/day with no in or out privileges, or \$28/day (or \$32/day for oversized vehicles) for valet parking, which includes in and out privileges.

### \*\*\*RESERVE YOUR ROOM NOW\*\*\*

Westin Ottawa  
11 Colonel By Drive  
Ottawa, Ontario, Canada K1N 9H4  
Tel: (613) 560-7000 or 1-800-228-3000 // Fax: (613) 234-5396

**Reservations can be made from the CETA/ACTE website at: <http://www.ceta.ca/06convention.htm>  
or from the AETA website at: <http://www.aeta.org/06mtg.asp>**

### How to Get to the Hotel

#### **From the Airport:**

- YOW Shuttle – serves most of the towndown hotels, with service to the Westin. This shuttle is a bright yellow bus and runs every ½ hour. The YOW Shuttle has a booth located in the airport at ground transportation. Cost for one-way (CAD): One person - \$14.00, Two persons - \$22.00, Three or more persons - \$8.00/each person  
Cost for return (CAD) – \$22.00/person  
(Stated fees are subject to change.)
- Taxi – the average cost for a taxi from the airport to the Westin is around \$30.00 CAD. (Stated fees are subject to change.)



#### **Directions if Driving:**

##### From Toronto (East):

Take Highway 401 East to Highway 16 North, which becomes 416 North. Exit 417 East and then take the Nicholas Street Exit. At the third set of lights, turn left onto Daly Street. Continue to the end of Daly Street and the hotel will be on the right hand side.

##### From North Bay (North):

Take Highway 17 East, which becomes 417 East. Take 417 East to the Nicholas Street Exit. At the third set of lights, turn left onto Daly Street. Continue to the end of Daly Street and the hotel will be on the right hand side.

##### From New York (South):

Take Highway 401 East to Highway 16 North, which becomes 416 North. Exit at 417 East and then take the Nicholas Street Exit. At the third set of lights, make a left onto Daly Street. Continue to the end of Daly Street and the hotel will be on the right hand side.

##### From Montreal (West):

Take Highway 40 West to 417 West Junction at the Ontario/Quebec border. Take 417 West to the Nicholas Street Exit. At the third set of lights, turn left onto Daly Street. Continue to the end of Daly Street and the hotel will be on the right hand side.

## CONVENTION REGISTRATION INFORMATION

*(Please refer to the enclosed registration form)*

### Convention Registration *(for Members & Non-Members of CETA/ACTE & AETA):*

- Early registration deadline is **Friday, August 18, 2006**
- Included in the registration fee are: Scientific sessions on Friday and Saturday, continental breakfast & lunch on Friday and Saturday, one banquet and one drink ticket. **(Note: wet labs are not included).**
- **Wet labs** – There is a separate registration fee to attend the wet labs on Thursday, Oct.5. The stated fee on the enclosed registration form includes 2 wet labs. Each wet lab will be one hour in length and will be presented twice, within the 2-hour time frame. **(Note: Please indicate your preference of 2 wet labs on the registration form. Space is limited – first come first served.)**

### Student Registration *(For individuals enrolled in school full-time).*

- Included in the student registration fee are: Wet labs on Thursday, scientific sessions on Friday and Saturday, and continental breakfast on Friday and Saturday. **(Note: Wet labs on Thursday are included in the student registration fee, but lunch and banquet tickets are not included).**

### Technician Registration *(For individuals employed as a technician & working with a veterinarian)*

- Included in the technician registration fee are: Wet labs on Thursday, scientific sessions on Friday and Saturday, continental breakfast & lunch on Friday and Saturday, one banquet and one drink ticket. **(Note: Wet labs on Thursday are included in the technician registration fee)**

### Breakout Sessions

This year 2 breakout sessions are being offered simultaneously on Saturday morning (Oct. 7) from 8:00 – 10:00 am *i) ET 101 with a Technical Slant and ii) Assisted Reproduction in Small Ruminants: Challenges and Opportunities* **(Note: There is no extra fee to attend a breakout session, but please indicate on your registration form if you wish to attend one of these.)**

### Companion Registration *(For non-practitioner companions attending the convention but not attending the scientific sessions.)*

- Included in the companion registration fee are: Coupon/ticket for breakfast at Daly's restaurant at the Westin Hotel on Friday & Saturday, one banquet ticket and one drink ticket.

**Refunds:** Early registration fee will be refunded if notification is received prior to **September 15, 2006.**

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## CONTINUING EDUCATION (CE) HOURS

**AETA Members:** There will be a total of 15 hours of continuing education (2 for the pre-conference wet labs & 13 for the main meeting) for the 2006 AETA & CETA/ACTE Joint Convention. This course has been submitted (but not yet approved) for 14.5 hours of continuing education credit in jurisdictions which recognize AA VSB RACE approval; however participants should be aware that some boards have limitations on the number of hours accepted in certain categories and/or restrictions on certain methods of delivery of continuing education. Call 217-398-2217 or E-mail: aeta@assoqh.org for further information.

Attention members licensed in the state of Texas: Please note that the number of hours of continuing education which you must obtain for proper license renewal has been increased. For more information, please visit: <http://www.tbvme.state.tx.us/CE.htm>

### **ATTENTION: Delegates that reside in the USA:**

**All participants are encouraged to have a valid Passport when traveling outside and returning to the USA.  
For more information please visit the following web sites listed below:**

<http://Travel.State.Gov>

[http://travel.state.gov/travel/cbpmc/cbpmc\\_2225.html](http://travel.state.gov/travel/cbpmc/cbpmc_2225.html)

## PRE-CONFERENCE EVENTS - THURSDAY, OCTOBER 5

Golf Tournament at *Stonebridge Golf & Country Club*  
Shot Gun Start – Best Ball Tournament  
Sponsored by Schering Plough Animal Health

6:00 a.m. – 2:00 p.m.



*Stonebridge Golf & Country Club* - The 180-acre Stonebridge golf course, designed by Ted Baker & Associates, is a wonderful blend of parkland and linksland golf. It features bent grass tees, greens and fairways, undulating putting surfaces, more than 90 premium Temisca sand bunkers, and natural fescue areas. The Stonebridge course can be played from as little as 5,049 yards to over 6,500 yards. Four sets of tee decks allow golfers to choose their own degree of challenge.

**Dress Code:** Players must wear proper attire on the golf course property. Acceptable attire consists of slacks or tailored golf shorts and golf shirts with collars for men. Slacks, skirts or proper golf shorts for the women. Unacceptable attire includes: blue jeans, halter, tank or tube tops, muscle shirts, numbered athletic shirts; tennis, multi-coloured or short shorts, cut-offs, sweat shirts, rugger pants. Stonebridge is a soft spike facility. No metal spikes permitted.

**\*\*Please meet in the hotel lobby (street level) at 6:00 a.m.**

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Pre-Conference Social – Wakefield Steam Engine/Sunset Dinner Train  
Sponsored by Bioniche Animal Health

4:20 p.m. - 8:30 p.m.

**\*\* Please meet in the hotel lobby (street level) at 4:20 p.m.**



*Bioniche Animal Health* invite you to hop aboard one of Canada's last remaining authentic steam-powered trains and climb the Gatineau hills as did the pioneers at the turn of the last century. Built in 1907, the country's oldest excursion locomotive carries thousands of visitors, railfans, nature lovers and adventurers to the picturesque tourist village of Wakefield. Relax comfortably in climate-controlled cars and let the sounds of the steam whistle and the "clickety clack" of the wheels carry you back to a by-gone era.

Come and join us for an evening filled with fun and laughter and enjoy a fabulous dinner aboard the steam engine. (Recommended dress for this evening is casual with comfortable footwear.)

**There will not be a charge for this evening, thanks to the very generous sponsorship of Bioniche Animal Health. This evening is limited to registered members and a companion and is limited to the capacity of the train. Please return your registration form early if you wish to attend.**

**NOTE:** Additional spaces may be available for children and registered exhibit representatives for a cost, please indicate on the registration form the additional number that wish to attend and you will be contacted regarding the cost and if space is available.

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**Fishing** – Unfortunately, a fishing tournament will not be possible this year due to the travel time involved. However, if you are interested in Musky fishing on the Ottawa River – this could be arranged for Thursday morning for a **maximum of 6 people**.

If you are interested, please contact Dr. Ron Herron directly (Email: [quintevet@hotmail.com](mailto:quintevet@hotmail.com)) for more information and the cost involved. **Space will be handled on a first come first served basis.**

## COMPANION TOURS

Friday, October 6, 2006 – Gatineau Park & Mackenzie King Estate

10:00 am – 3:00 pm

*Come and take a bus tour through Gatineau Park to see the spectacular fall leaves with a stop at Mackenzie King Estate for lunch and to visit the restored cottages, stroll through the beautiful gardens and admire the stone ruins.*



*The Mackenzie King Estate was the country retreat of Prime Minister, William Lyon Mackenzie King. Nestled in the tranquillity of Gatineau Park, the Estate offers restored cottages, beautiful gardens complete with stone ruins, walking trails, and a tea room serving light refreshments. Mackenzie King was Canada's 10th Prime Minister and held power for 22 years -- the longest ever for a Canadian prime minister.*

*Come along and visit the restored cottages, see a film on King's life and times, stroll in the gardens, photograph the ruins, admire the falls and panoramas & enjoy lunch at the Moorside Tearoom.*

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Saturday, October 7, 2006 – Ottawa River Boat Cruise

10:20 am – 12:30 pm



*Come and cruise the Ottawa River and view the Parliament Buildings • Supreme Court • Museum of Civilization • National Art Gallery • Rideau Falls • Residence of the Prime Minister • and much more. On the Paula D. you will have a choice of seeing the scenery of Ottawa from the open air environment found on the upper deck or to relax at tables in the lower deck. Also found on the lower deck are a fully licensed bar, canteen and restrooms. The cruise offers you the view of the city as it was first conceived with the river as it's main highway and resource. You will also see the natural beauty of the region that captured the imagination of the first European explorer Samuel de Champlain.*



The boat cruise is located within a 10-minute walk of the Westin Hotel and is 1½ hours in length.

**Please meet in the hotel lobby (street level)  
at 10:20 am**

## INFORMATION ON OTTAWA

*Nestled at the junction of three picturesque rivers, Ottawa is considered one of the world's most beautiful capitals. The city also borders the province of Québec, creating a dynamic cultural milieu in which both French and English cultures are deeply rooted. The result is a truly cosmopolitan experience—a North American city with a distinctly European charm and flair.*

*The city's rich ethnic diversity also includes thriving German, Lebanese, Italian, Polish, Dutch, Portuguese, and Asian communities, among others. Throughout the year, these communities celebrate their heritage in many colourful multicultural festivals and events.*

*The seat of Canada's federal government, Ottawa is a major centre for the visual and performing arts. Yet the city retains the accessibility, atmosphere and charm of a smaller centre—rich in wide-open green spaces, parks and wilderness areas.*

*Ottawa lies in northeast North America, in the Province of Ontario, Canada. It is bordered by the Ottawa River to the north, while the historic Rideau River and Rideau Canal meander north to south through the city. Directly across the Ottawa River are the City of Gatineau and the picturesque Outaouais region in the Province of Québec.*

### **Average Fall Temperatures:**

High of 12-14°C (55°F)    Low of 3-5°C (38-40°F)

### **Things to See and Do:**

#### Shopping:

- Sparks Street Mall
- Byward Market
- Rideau Center (shopping center attached to the Westin Hotel -3 floors)

#### Within walking distance:

- Parliament Buildings - Tours available, for information please visit: <http://www.parl.gc.ca/information/visitors/default.htm>
- Royal Canadian Mint – for information please visit: [www.mint.ca](http://www.mint.ca)
- Rideau Canal & Ottawa River Boat Tours – for information please visit: <http://www.paulsboatcruises.com>
- Bytown Museum – for information please visit: <http://www.bytownmuseum.com/>
- Entrance Locks to the Rideau Canal
- National Arts Center – for information on plays/shows, please visit: <http://www.nac-cna.ca/splash.htm>
- National Gallery of Canada – for information please visit: <http://national.gallery.ca>
- Currency Museum of the Bank of Canada – for information please visit: <http://www.currencymuseum.ca>

#### Within a short taxi ride:

- Museum of Civilization – for information please visit: <http://www.civilization.ca/cmce/cmce.asp>
- Canadian War Museum – for information please visit: <http://www.warmuseum.ca/>
- Casino Du Lac-Leamy – for information on shows, please visit: [http://www.casino-du-lac-leamy.com/accueil\\_ch.jsp?Params=Y.US.1.0](http://www.casino-du-lac-leamy.com/accueil_ch.jsp?Params=Y.US.1.0)
- Canadian Museum of Nature – for information please visit: <http://www.nature.ca>

#### Tours available:

- Gray Line Ottawa - Experience Ottawa's original and most comprehensive Hop-on-Hop-off City Tour aboard either London-style open top Double Deckers or turn of the century Trolleys. Tour Highlights: Parliament Hill, Canadian Museum of Civilization, Notre Dame Basilica, Rideau Hall, RCMP Museum and Stables, Canadian Aviation Museum & Byward Market. For more information, please visit: [http://www.etix.com/travel/servlet/onlineSale?action=viewTourDescription&route\\_id=761&franchise\\_id=61](http://www.etix.com/travel/servlet/onlineSale?action=viewTourDescription&route_id=761&franchise_id=61)
- "Lady Dive" Tours - Come take a seat on board of our roomy amphibus for a bilingual guided one-hour tour. This incredible vehicle has the skill to travel on water like the ground thus enabling you to view the historic sites of Ottawa-Hull and to go on a cruise on the splendid Ottawa River. For more information, please visit: <http://www.amphibus.com/index.html>

**For additional information on Ottawa, please visit: [www.ottawatourism.ca](http://www.ottawatourism.ca)**

# PROGRAM

## WEDNESDAY, October 4, 2006

- 8:00 AM – 10:30 AM MEETING: CETA/ACTE Certification Committee  
11:00 AM – 6:00 PM MEETING: AETA Board of Directors  
11:00 AM – 6:00 PM MEETING: CETA/ACTE Board of Directors  
1:30 PM – 5:00 PM EXAM: AETA & CETA/ACTE Certification Exam

## THURSDAY, October 5, 2006

- 6:00 AM – 2:00 PM SOCIAL: Golf Tournament at *Stonebridge Golf & Country Club*  
**SPONSORED BY: Schering Plough Animal Health**
- 1:00 PM – 4:00 PM Registration
- 1:00 PM – 4:00 PM Exhibit Set-up
- 2:10 PM – 4:10 PM **WET LABS:** (*participants can register for 2 wet labs*)
- Embryo Biopsy - Presented by Dr. Martin Darrow  
**SPEAKER SPONSORED BY: Bioniche Animal Health**  
*Description of wet lab: Machine assisted and manual biopsy techniques will be presented by practitioners who use the techniques routinely. Participants will cut and recover embryo biopsies under the guidance of these instructors.*
  - Vitrification of Bovine Embryos – Presented by Dr. John Hasler  
*Description of wet lab: A system for vitrification of bovine embryos in 0.25 ml straws, in-straw rehydration and direct transfer will be demonstrated. Participants will have an opportunity to try all of the steps in the protocol.*
  - Semen Evaluation – Presented by Dr. Brad Stroud  
*Description of wet lab: This wet lab is designed to demonstrate how to perform an immediate post thaw frozen semen evaluation at the time of breeding so a valuable straw of semen isn't wasted. Fresh and frozen semen look very different from each other. The purpose of the exam is to eliminate poor to unacceptable quality semen before breeding donors after superovulation, and increase the number of viable embryos collected. Learned properly this simple and repeatable technique can eliminate flushes destined for failure, and produced more income.*
- 4:20 PM – 8:30 PM SOCIAL: Pre-Conference Social: Wakefield Steam Engine/Sunset Dinner Train  
**SPONSORED BY: Bioniche Animal Health**

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President's Reception in Hospitality suite  
**COCKTAILS SPONSORED BY: Veterinary Concepts**

## FRIDAY, October 6, 2006

- 6:45 AM – 7:45 AM Continental Breakfast in Exhibit Area  
**SPONSORED BY: Pfizer Animal Health**
- 6:45 AM – 7:30 PM Exhibits Open
- 6:45 AM – 5:00 PM Registration
- 10:00 AM – 3:00 PM Companion Tour: *Bus Tour to Gatineau Park & Mackenzie King Estate*

*Program continued...*

7:45 AM - 8:00 AM Introductions and Welcome

8:00 AM – 9:30 AM **SESSION:** Revisiting trace mineral nutrition for improved reproductive performance  
Presented by Dr. Steve Elliot

**SPEAKER SPONSORED BY: Tim deWit, Alltech Canada Biotechnology Centre**

*Description of Presentation: Trace minerals have traditionally been used at levels needed to prevent signs of deficiency. While important, these deficiency situations rarely occur in modern livestock systems, therefore we need to reconsider the way think about supplementation. Research has shown that trace minerals play an integral role in reproductive performance and the discovery of more biologically available forms of these minerals may give us another tool to utilize in our quest to improve the reproductive performance of our animals.*

9:30 AM – 10:30 AM **SESSION:** Protected fats and fatty acids and effect on reproduction  
Presented by Dr. Elliot Block

**SPEAKER SPONSORED BY: Church & Dwight Company**

*Description of Presentation: This presentation, and the accompanying discussion, provides the basis for recommending that high producing cows require essential fatty acids be added to their diet in rumen protected form.*

10:30 AM – 11:00 AM Break in Exhibit Area

**SPONSORED BY: Reproduction Resources**

11:00 AM – 12:30 PM MEETING: AETA Annual Business Meeting

11:00 AM – 12:30 PM MEETING: CETA/ACTE Annual General Meeting

12:30 PM – 1:30 PM Lunch

**SPONSORED BY: PETS, Inc (Professional Embryo Transfer Supply, Inc.)**

12:30 PM – 1:30 PM MEETING: CETA/ACTE New Board of Directors

1:30 PM – 3:00 PM **SESSION:** Assessing Semen Quality  
Presented by Dr. Patrick Blondin

*Description of Presentation: This presentation will review the current and state-of-the-art biotechnologies relating to bovine semen analysis. Technologies that will be covered are microscopy, spectroscopy, CASA (computer assisted sperm analysis) and flow cytometry. Emphasis will be made on the incorporation of such technologies in AI centers to increase the semen quality used in bovine artificial inseminations and embryo transfers.*

**SESSION:** Sexed Semen Technology - Presented by Dr. Richard Remillard  
& Sexed Semen Superovulation Trial Results - Presented by Dr. Martin Darrow

*Description of Presentation: This presentation will include, a description of the sorting process, how we process the semen using XY Inc technology and the limit of that technology. It will also include our past 2 years experience using it and the quality control needed to achieve good result. Also discussed will be the use of sorted semen in our IVF laboratory and variation on embryo production according to the bull used.*

3:00 PM – 3:30 PM Break in Exhibit Area

**SPONSORED BY: Pfizer Animal Health**

***Program continued...***

3:30 PM – 5:00 PM **SESSION:** Fertilization failure due to mishandled frozen semen - the science & economics of exposure damage and what you can do to prevent it // Update on commercial bovine cloning  
Presented by Dr. Brad Stroud  
*Description of Presentation: Most veterinarians and animal breeders have no formal training in handling frozen semen and embryos stored in liquid nitrogen. This presentation will address the science of exposure damage and will discuss the most common mistakes made by those who handle our precious products. The list of handlers includes ranch secretaries, AI techs, ranch or dairy hands, couriers, lab techs, animal owners, family members of animal owners, veterinarians, vet techs, and anyone who may be asked to receive a shipment, prepare a vessel for shipping, taking inventory, thawing straws for insemination or transfer, or breaking a cane. This presentation could put money in your pocket next breeding season. // The latest on successes and failures associated with bovine cloning.*

6:00 PM – 7:30 PM SOCIAL: Happy hour and a half

7:30 PM – 10:00 PM SOCIAL: Banquet & Entertainment  
**ENTERTAINMENT SPONSORED BY: I.M.V. International Corporation**

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President's Reception in Hospitality suite  
**COCKTAILS SPONSORED BY: Veterinary Concepts**

**SATURDAY, October 7, 2006**

6:45 AM – 8:00 AM AETA Past Presidents / Board of Directors' Breakfast

7:00 AM – 8:00 AM Continental Breakfast in Exhibit Area  
**SPONSORED BY: Pfizer Animal Health**

7:00 AM – 4:00 PM Registration

7:00 AM – 3:00 PM Exhibits

10:20 AM – 12:30 PM Companion Tour: *Ottawa River Boat Cruise*

8:00 AM - 10:00 AM **BREAKOUT SESSION:** ET 101 with a technical slant  
Presented by Dr. Reuben Mapletoft & Dr. John Hasler  
*Description of Presentation: This presentation will cover applied aspects of commercial embryo transfer in the bovine species with special attention to donor and recipient management, the handling and storage of media, the handling and sterilization of equipment, laboratory procedures, and the evaluation and classification of embryos. In addition, various approaches to the cryopreservation will be reviewed.*

8:00 AM – 10:00 AM **BREAKOUT SESSION:** Assisted Reproduction in Small Ruminants: Challenges and Opportunities  
Presented by Dr. Hernan Baldassarre  
*Description of Presentation: State of the art presentations covering in multiple ovulation & embryos transfer, in vitro embryo production from oocytes collected by laparoscopy, and the commercial opportunities for exporting small ruminant embryos to China will be presented. These presentations will be followed by an "open floor" discussion of assisted reproduction topics in sheep & goats, handled by a panel of renowned specialists.*

***Program continued...***

- 8:00 AM – 9:00 AM **SESSION:** Using ultra-sonography to predict response to superovulation  
Presented by Dr. Jean Durocher  
*Description of Presentation: This presentation will focus on the use of ultrasonography to predict the response to superovulation in cattle. Data from Boviteq's ET commercial activities (IVF and conventional embryo collection) will be used retrospectively to study how the monitoring of small antral follicles can be used to product the outcome of superovulation.*
- 9:00 AM – 10:00 AM **SESSION:** Commercialization of Biotechnology  
Presented by Dr. David Faber  
**SPEAKER SPONSORED BY: Trans Ova Genetics**  
*Description of Presentation: This presentation will focus on applying embryo technology core competencies to multiply the success of our Biomedical, Seed stock and Commercial clients needs.*
- 10:00 AM – 10:30 AM Break in Exhibit Area  
**SPONSORED BY: PETS, Inc. (Professional Embryo Transfer Supply, Inc.)**
- 10:30 AM – 11:30 AM **AETA SESSION:** AETA Certification Session/APHIS Update (*for AETA members*)
- 10:30 AM – 11:30 AM **SESSION:** Validation of a Monoclonal Antibody-Based Capture Enzyme-Linked Immunosorbent Assay for Detection of *Campylobacter fetus*  
Presented by: Dr. John Devenish, Canadian Food Inspection Agency (CFIA)
- 11:30 AM – 12:15 PM **SESSION:** Producing healthy calves - biosecurity and management considerations in the ET program.  
Presented by Dr. Rich Vanderwal  
**SPONSORED BY: Wyeth Animal Health**  
*Description of Presentation: Much of our focus on ET teams is rightfully on quality embryo production and handling. Our clients, locally and internationally, focus on live, healthy offspring. This talk is to address the other veterinary and herd management aspects involved in producing viable, disease-free genetically superior offspring for clients, helping them to maximize marketability and profitability.*
- 12:15 PM – 1:30 PM Lunch
- 12:15 PM – 1:30 PM MEETING: Joint Convention Committee Meeting
- 1:30 PM – 2:00 PM **SESSION:** Vitrification of Equine Embryos, a field study in a commercial setting  
Presented by Dr. Jason J. Hudson  
**SPEAKER SPONSORED BY: Partnar Animal Health Inc.**  
*Description of Presentation: The paper being presented at this meeting looks at the process of vitrifying equine embryos. The main theme concentrates on an alternative medium to fetal calf serum for cryopreserving equine embryos. The study was performed in a field setting at a commercial facility. A small number of embryos were available for the setting due to the time of year the study took place. The results for the alternative medium (polyvinyl alcohol), provided by Partnar, were impressive enough to suggest an alternative medium could be available. Polyvinyl alcohol could help open up exportation and importation of equine embryos. This in turn, could open up different markets for vitrified equine embryos. It is realized that a larger number of embryos must be utilized to show a statistical significance.*

***Program continued...***

2:00 PM – 2:30 PM **SESSION:** The Effect of Heat Stress & Average Ambient Temperatures on the Superovulatory Response of Cattle to Ovagen vs. Folltropin  
Presented by Dr. Russ Page & Josh Howle  
**SPEAKER SPONSORED BY: Partnar Animal Health Inc.**  
*Description of Presentation: In this study, cattle varying in age and breed (both noted) were superstimulated with Ovagen and Folltropin at heat stressed conditions and then at thermoneutrality. During these procedures, ovarian structure, embryo number, and embryo quality were all examined in order to obtain a comparative analysis of the two FSH preparations.*

2:30 PM – 3:00 PM Break in Exhibit Area  
**SPONSORED BY: Minitube of America**

3:00 PM – 5:00 PM **SESSION:** Practitioners Forum / Roundtable Discussion  
Moderator: Dr. Reuben Mapletoft  
**SPONSORED BY: Merial Inc.**

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President's Reception in Hospitality suite  
**COCKTAILS SPONSORED BY: Veterinary Concepts**

**EXHIBITORS**

*(as of June 22, 2006)*

Agtech Inc.  
Bioniche Animal Health, Inc.  
CowChips, LLC  
I.M.V. International Corporation  
IVX Animal Health  
Minitube of America  
Partnar Animal Health, Inc.  
PETS, Inc. (Professional Embryo Transfer Supply, Inc.)  
Reproduction Resources  
S.E.C. Repro Inc.  
Steuart Labs  
Trans Ova Genetics  
Universal Ultrasound  
Veterinary Concepts  
Veterinary Sales & Service

## THE CONVENTION SPEAKERS

### **Hernan Baldassarre, DVM**

Senior Director, Transgenic Production  
Pharmathene Canada Inc.

Dr. Baldassarre's technical expertise is in assisted reproduction technologies in small ruminants (sheep and goat). He obtained his veterinary degree from the Faculty of Veterinary Sciences, University of Buenos Aires in 1982. He has received training in different assisted reproduction technologies from different labs, including Dr. Gareth Evans (U. of Sydney, Australia), Dr. Xavier Legendre (IMV, France) and Dr. Robin Tervit (AgResearch, New Zealand), to name some of the most influential.

In his current position at Pharmathene, he's responsible for the assisted reproduction programs leading to the production of Protexia™ (a powerful bioscavenger against nerve agents) in the milk of transgenic goats. He joined Nexia Biotechnologies in 1998 where he has had a significant contribution to outstanding achievements including the first transgenic livestock produced in Canada; world's first goats produced from prepubertal oocytes recovered from live donors by laparoscopic ovum pick-up; world's first transgenic goat produced by nuclear transfer technology using in vitro transfected cells; and world's first animals capable to produce spider silk proteins in their milk. Prior to joining Nexia, Dr. Baldassarre spent 12 years working on research with main areas of interest being semen and artificial insemination, superovulation and embryo transfer, ovum pick-up and in vitro embryo production. He has also applied said technologies to genetic improvement programs in thousands of animals. He served as President of the Argentinean Chamber of Biotechnology of Reproduction (1995 to 1997). Has over 50 publications in peer-reviewed journals and current research interests are focused on maximizing the efficiencies in the generation and propagation of transgenic animals.

### **Elliot Block**

Graduated from Cornell University with B.Sc. in Animal Nutrition, received his Masters and Ph.D. from Pennsylvania State University in 1978 and 1980 respectively in Animal Nutrition and Physiology. Initially employed by McGill University in 1980 as a professor in the Animal Science department and eventually as director of Cattle Teaching and Research complex until 1989. Since May 1989, he has been employed by Church and Dwight Co. of Princeton, New Jersey as their Principal Scientist of Animal Nutrition.

### **Patrick Blondin**

Patrick Blondin obtained a Master's degree in Physiology-Endocrinology (1993) and a Doctorate degree in Animal Science (1997) at Laval University under the supervision of Drs Marc-André Sirard and Louis Guilbault and studied the effects of superovulation on the developmental competence of bovine oocytes in IVF systems. He then joined Dr Charlotte Farin in the Department of Animal Science of North Carolina State University to complete a 2-year postdoc studying the effects of various biotechnologies such as IVF and cloning on gene expression in various bovine foetal tissues. Dr Blondin then joined L'Alliance Boviteq as an Industrial Research Fellow to assist in the development of a defined in vitro culture system. Dr Blondin then joined Procrea BioScience IVF clinic as Director of Clinical Research and McGill University as a business developer in the Office of Technology Transfer. Finally, Dr Blondin returned with L'Alliance Boviteq and for three years has been directing the Research & Development department within the company. The department encompasses an IVF laboratory that focuses on the development of various biotechnologies in IVF and cloning and a second semen laboratory that focuses on semen quality, semen sexing and sperm cryopreservation.

### **Martin D. Darrow, MS, DVM.**

Dr Darrow began his career in embryo transfer in 1978 as an undergraduate research assistant at UC Davis where he also earned his MS (1980) and DVM (1986) degrees. He has worked exclusively in embryo transfer for over 20 years in 15 countries, setting up ET businesses on 3 continents. He began sexing embryos while working in Australia in 1994 and brought the technology to Abbotsford, British Columbia in 1997. He developed a new and novel technique for freezing biopsied embryos that was presented at the first joint meeting of the CETA and AETA in Nashville, Tennessee in 2001. His laboratory with the Abbotsford Veterinary Clinic sexes over 2,500 embryos per year. He is presently carrying out field trials to define the limits of the use of sexed semen in embryo transfer programs in Holstein cattle.

## *Convention Speakers continued...*

### **J. Devenish, B.Sc, M.Sc., Ph.D.**

Microbiologist/ Leader of the Germplasm/Avian Centres of Expertise at the CFIA-ACIA/Ottawa Laboratory (Fallowfield)

### **Jean Durocher m.v. MSc**

Director of Technological Services

L'Alliance Boviteq inc. (LAB)

Dr. Durocher has graduated from the *Faculté de médecine vétérinaire de l'université de Montréal* in 1983. After graduating, from 1984 to 1991, he worked as a bovine practitioner mainly involved in the field of reproduction and herd health. Before joining Boviteq's team on 1991 as an embryo transfer practitioner, Dr Durocher completed a Master degree in nutrition and reproduction at the *Faculté de médecine vétérinaire de l'université de Montréal*, from 1988 and 1991, sharing his time between practice and academics. Since 1993, Dr Durocher is in charge of Boviteq embryo transfer services and also involved in many of the research activities at Boviteq named L'Alliance Boviteq since 1998. Dr Durocher's main field of interest are: Ultrasound, IVF, repeat breeder and recipient management.

### **Steven A. Elliott, PAS**

Steve is presently the Alltech® Global Director Sel-Plex Product Division and Team Leader for the Alltech FL Region. A graduate of the University of Florida with an undergraduate degree in Animal Science and a graduate degree in Equine Nutrition. Steve is a member of the American Registry of Professional Animal Scientists (ARPAS) as well as the National Mastitis Council (NMC). Steve has been involved with animals his whole life while growing up on a commercial cow/calf and equine operation. He and his wife currently own their own equine business and have 15+/- head of horses at any given time. Steve worked as a nutritionist/salesman for a large regional feed company prior to joining the Alltech® team. He continues his work with large Dairy, Beef, and Equine customers through his varied positions within Alltech®. He is currently the Global Director for the Sel-Plex® product made by Alltech® and speaks to audiences all over the world.

### **David C. Faber, DVM, President**

Trans Ova Genetics

Sioux Center, IA

Dr. David Faber was born on a grain and livestock farm in north central Illinois, near Mendota. He received his BS and DVM from the University of Illinois. Upon graduation, he joined a large food animal practice in northwest Iowa. In addition to veterinary practice, Dr. Faber began doing embryo transfer work and founded Trans Ova Genetics in 1980.

Dr. Faber serves as the President of Trans Ova Genetics, one of the leading bovine embryo transfer companies in the U.S. Trans Ova Genetics maintains service centers in Iowa (2), Illinois, Louisiana, Missouri, Montana, Ohio, Oklahoma, and Texas. In addition to embryo collection, cryopreservation, and transfer, Trans Ova Genetics offers services in in-vitro embryo production, ultrasonography, oocyte retrieval, micromanipulation, sorted sperm technologies, genetic preservation, cloned calf production and the production of transgenic farm animals.

In 1997, Dr. Faber was instrumental in the development of the Genetic Advancement Center, which specializes in the production of transgenic farm animals. Initial efforts have been focused on developing founders capable of expressing pharmaceutical proteins in their milk and blood. Core competencies in biosecurity, animal welfare, quality systems and regulatory compliance have been developed at the center.

Dr. Faber serves on the Board of Directors of Pro Edge LP., and is a current board member of the International Embryo Transfer Association. He is a member of the Society for Theriogenology, American Embryo Transfer Association (past board member), and the American Association of Bovine Practitioners.

Dr. Faber's family includes wife Kay, and children Sara, Daniel and Tyler.

## *Convention Speakers continued...*

### **John Hasler**

Bioniche

John F. Hasler received a Ph.D. in reproductive physiology in 1974 from the University of Illinois. He then joined the Embryo Transfer Laboratory at Colorado State University. In 1979, he and a partner started Em Tran, Inc. in Elizabethtown, Pennsylvania. During his 22 years at Em Tran, Dr. Hasler was involved with more than 9,000 different donor cows, and Em Tran was among the first organizations to establish a market for frozen embryos in a number of foreign countries and was a leader in introducing splitting, in vitro fertilization, and embryo sexing technologies to the embryo transfer industry. In 1992, Dr. Hasler was awarded "The Embryo Transfer Person of the Year" award by Schering-Plough Corporation. Dr. Hasler was a founding member of the American Embryo Transfer Association and served as the first Secretary-Treasurer of the organization. He has also served two terms as Secretary-Treasurer of the International Embryo Transfer Society. Dr. Hasler has maintained active research collaborations with scientists at several universities. Having sold his interest in Em Tran, Inc. in 2000, Dr. Hasler now lives near Fort Collins, Colorado and serves as a technical advisor for Bioniche Animal Health USA.

### **Jason J Hudson**

Resident veterinarian

Royal Vista Southwest

Dr. Hudson was born in Colorado. He was raised in a rural setting on the eastern plains. His undergraduate studies were done at the University of Northern Colorado and Colorado State University. Dr. Hudson attended veterinary school at Colorado State University from 1998 to 2002. After graduating, Dr. Hudson performed a one year medical and surgical internship at Littleton Large Animal Clinic in Littleton Colorado. He then finished a theriogenology residency at Colorado State University in 2005. He obtained a Master's of Science and is eligible to take the American College of Theriogenology board examination. He currently practices with his wife and Jim Bailey at Royal Vista Southwest, a large equine embryo transfer facility in the state of Oklahoma. Dr. Hudson enjoys the outdoors and anticipates participating in such recreational activities with his wife Brandi and daughter Rylee during the "off" season.

### **Reuben Mapletoft**

University of Saskatchewan

Dr. Mapletoft is a graduate of the Ontario Veterinary College in Guelph, Ontario, Canada. He received his M.S. and Ph.D. degrees from the University of Wisconsin in the Endocrinology, the reproductive physiology program. Dr. Mapletoft has been active in research in reproductive biology and the application of reproductive technologies in cattle for more than 30 years. He is a Past-President of the International Embryo Transfer Society (IETS) and Founding President of the Canadian Embryo Transfer Association (CETA); he was Chairman of the Import/Export Committee of the IETS for 10 years, and he is currently a member of the Certification Committee of CETA and several IETS committees. He is Past Chair of the Male Evaluation Committee of the Society for Theriogenology. Much of Dr. Mapletoft's recent work has revolved around the manipulation of ovarian follicular wave dynamics for superovulation, estrus synchronization, and timed-breeding. He has also had an active research program utilizing in vitro fertilization technology to evaluate oocyte competence and the effect of sperm morphology on fertilization and zygote development. His team is also researching the use of non-biological additives in the culture of oocytes and embryos and the cryopreservation of sperm, oocytes, and embryos. Dr. Mapletoft is very active in Continuing Veterinary Education and technology transfer; he has lectured in more than 30 countries around the world and is a regular speaker in the AABP embryo transfer seminars. In 2003, the University of Saskatchewan honored Dr. Mapletoft with its Distinguished Researcher Award, and in 2005, he was awarded an Earned Doctorate by the University of Saskatchewan. Dr. Mapletoft is a full professor in the Department of Large Animal Clinical Sciences, Western College of Veterinary Medicine, University of Saskatchewan, Saskatoon, SK, Canada. In 2003, he went on 50% appointment so that he could consult with the pharmaceutical industry.

## *Convention Speakers continued...*

### **Russ Page**

B.S. Dairy Science, M.S. Reproductive Physiology, Ph.D. Reproductive Physiology, Post Doc. Reproductive Endocrinology, University Teaching and Research: 1968-1988, Adjunct Professor at The University of Georgia since 1988, Owner and Operator of Reproductive Progress, a commercial Embryo and Semen Collection Clinic since 1988.

### **Richard Remillard, DVM**

Graduated from St-Hyacinthe Veterinary School, Quebec in 1981. Was a partner in the Veterinary Clinic of St-Louis- Embryobec for 20 years (until 2001) Dairy Practice. Involved in Embryo Transfer since early 80's, Certified Practitioner since 1993. On the CETA/ACTE Board of Directors since 2002, Chairman of the Certification Committee for 2 years and President of CETA/ACTE for the last 2 years. Since 2001, working for IND Lifetech Inc, BC, Canada as the president of IND, mainly involved in IVF embryo production, semen sorting and training programs in China.

### **Brad Stroud, DVM**

Graduated from Texas A&M College of Vet Medicine 1979 followed by an internship in large animal ambulatory at The Ohio State University for one year. Established Stroud Veterinary Embryo Services in the fall of 1980. Was an early pioneer in the fields of reproductive ultrasonography, bovine GIFT, and commercial bovine IVF. Is now involved with commercialization of bovine and equine clones. Has served as president of both the AETA and IETS.

### **Rich Vanderwal, DVM**

Dr. Rich Vanderwal was raised on a dairy farm in B.C. He graduated with distinction from the Western College of Veterinary Medicine in 1977 and has practiced dairy veterinary medicine in B.C. for the past 29 years. He was honoured the Western Canadian Association of Bovine Practitioner's Veterinarian of the Year in 1997.

Dr. Vanderwal is a principal at the Abbotsford Veterinary Clinic, which focuses on dairy production medicine and embryo transfer programs. He is both CETA certified and CFIA accredited for embryo exportation. Their ET team is internationally respected for their embryo sexing technology applications and their involvement in international projects.

Rich is also a partner in Cedarwal Farms Ltd., a 280 milking registered Holstein herd, which has already been awarded two Holstein Canada Master Breeder awards. His parents, his brother Dave, and two nephews are partners in the farm. They continue to market quality genetics to other breeders and A.I. centers domestically and internationally. Rich is an Official Holstein Judge. His speaking and judging assignments have taken him to the USA, Mexico, England, Italy, Holland, and China, as well as from coast to coast in Canada. Rich is married to Marian; they have four teenage daughters.