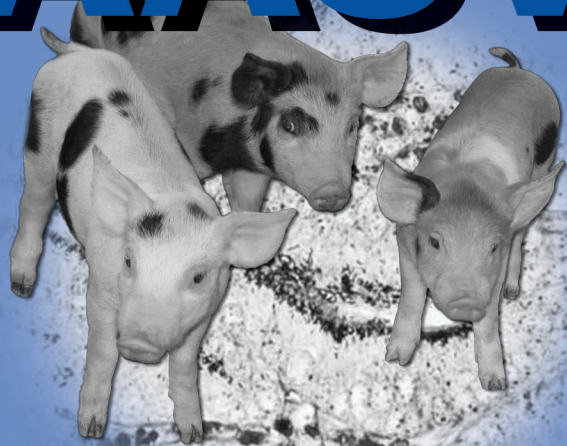


**36th Annual Meeting**

**AASV**



**American  
Association of Swine  
Veterinarians**

**Annual Meeting  
Program**

**March 5-8, 2005  
Westin Harbour Castle  
Toronto, Ontario  
CANADA**

**WELCOME TO TORONTO!**



**Welcome to the  
36th Annual  
AASV Meeting  
in Toronto!**



**Dr. Tom Gillespie**

Welcome to the northern shores of Lake Ontario! Toronto is one of the southernmost cities in Canada. In fact, its latitude is very close to that of northern California. Toronto is known as one of the more culturally diverse cities in North America, which makes it an exciting place for AASV members to gather for the second “out of US” annual meeting. It is my pleasure and honor as chair of your program planning committee to welcome you to Toronto.

After the annual meeting in Des Moines, the ideas surrounding “bugs and drugs” and practice needs helped to develop the theme for this year’s meeting, “Applying the Basics.” The program committee has compiled an agenda that fits the theme and venue. You will notice throughout the days of this conference, key topics on animal husbandry, recent science on pathogens, application of technologies, and the importance of continuing lifelong learning.

The past Howard Dunne Memorial Lectures have informed us on change and what we need to be considering for the future in many areas including managing persistent pathogens. Dr. Scott Dee will honor us with his address on “Lifelong Learning: Applying science in practice.” Although basic science knowledge is years in front of applying the science, practitioners continue to strive to improve their knowledge of the “science,” often through application.



## WELCOME TO TORONTO

Following the Dunne Memorial Lecture, the general session will continue with informative international speakers discussing the application of the sciences and epidemiology. Dr. Ernest Sanford promises to enlighten us in the Founders' Message on a Canadian's perspective of how times have changed. Monday afternoon will springboard into a lively discussion on different but currently used PRRS virus control programs. Research topics will give members an alternative to attend.

The twelve pre-conference seminars that start on Saturday and continue through Sunday will bring numerous topics to enrich the knowledge of all members. The student presentations should again be excellent in both presentation and science. At the same time, three concurrent industrial sessions will contain valuable and well documented information. Good fortunes to the members sitting for their entry or certification exam for membership into ABVP.

There will be plenty of opportunities for relaxation and interaction during the evening social events, thanks to the generous support of our sponsor companies. We have arranged activities for spouses, too, including a shopping excursion in Toronto and a guided tour to Niagara Falls and Ontario's wine country.

My sincere thanks go to Drs. Tom Burkgren and Sue Schulteis who manage our AASV office flawlessly. The many dimensions of our exciting organization also rely on the numerous hours of volunteer work by our members and a heartfelt thank you is needed. Please thank the program committee as you see them on the wonderful job they have tirelessly done to make this a successful meeting for all. Special recognition must also be made to all of our industrial sponsors who provide financial support for education and entertainment during this conference.

Thank you for joining us in a wonderful city to discuss application of science and lifelong learning.

**Dr. Tom Gillespie**  
**Program chair**

## PLANNING COMMITTEE



### **Dr. Tom Gillespie, chair**

Dr. Joaquín Becerril	Dr. Rodger Main
Dr. Richard Collins	Dr. Julie Menard
Dr. Scott Dee	Dr. Stephen Patterson
Dr. Cate Dewey	Dr. Sarah Probst Miller
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Dr. James Kober	Dr. Matthew Turner
Dr. Michael Kuhn	Dr. John Waddell
Dr. Duane Long	Dr. Mark Wagner
Dr. Jeff Luebbe	



## REGISTRATION AND FEES

### REGISTRATION

#### Registration desk on Hotel Convention Level

Saturday, March 5	9:00 AM – 5:00 PM
Sunday, March 6	7:00 AM – 5:30 PM
Monday, March 7	7:00 AM – 5:30 PM
Tuesday, March 8	7:00 AM – 1:00 PM

### FEES

**Pre-register online at:**  
**[www.aasv.org/annmtg](http://www.aasv.org/annmtg)**

AASV member pre-registration	\$260
AASV member on-site registration	\$295
Nonmember veterinarians	\$380

### CONTINUING EDUCATION CREDIT

Sixteen (16) credit hours of veterinary continuing education are available from the regular meeting sessions (Sunday 1:00 PM – Tuesday 1:00 PM). Four (4) credit hours are available from each pre-conference seminar attended on Saturday afternoon or Sunday morning.

### COMMERCIAL TECHNICAL TABLES

#### Location: Conference Centre: Metro West

Monday	9:00 AM – 5:00 PM
Tuesday	8:00 AM – 1:00 PM

**PLEASE TURN OFF YOUR CELL PHONE  
OR SWITCH TO SILENT MODE DURING  
SCIENTIFIC SESSIONS**

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**TECHNICAL TABLES**

## **AASV TECHNICAL TABLES**

### **MONDAY, MARCH 7**

Time: 9:00 AM – 5:00 PM

### **TUESDAY, MARCH 8**

Time: 8:00 AM – 1:00 PM

Location: Conference Centre: MetroWest

**Addison Biological Laboratory**

**Alpharma**

**APC**

**ARKO Laboratories**

**Automated Production Systems**

**AVMA PLIT**

**Babcock Genetics**

**Bioniche Animal Health Canada**

**Boehringer Ingelheim**

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**Farmweld**

**Feedstuffs Newspaper**

**Fort Dodge Animal Health**

**Gallant Custom Laboratories**

**Genes Diffusion**

**IDEXX Laboratories**





## **AASV TECHNICAL TABLES**

**IMV International Corporation/Gencor**

**Intervet**

**Ketchum Manufacturing**

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**Stuart Products**

**Tech Mix**

**Tetracore**

**USDA APHIS VS**

**Waldo Farms/Whiteshire United**

**Zinpro Corporation**



## SPONSORS!

The following activities would not be possible without the generous support of our commercial partners. As you enjoy these events, please thank the sponsor representatives!

### **Pfizer Animal Health Reception**

Saturday, March 5  
6:00 PM

### **Business Practices Luncheon**

Sponsored by Pfizer Animal Health  
Sunday, March 6  
12:00 – 1:00 PM

### **AASV Student Seminar**

Sponsored by Alpharma Animal Health  
Sunday, March 6  
1:00 – 5:00 PM

### **Fort Dodge Animal Health and Wyeth Animal Health Welcome Reception**

Sunday, March 6  
6:00 – 8:00 PM

### **Intervet Student Reception**

Sunday, March 6  
8:30 – 11:00 PM

### **AASV Luncheon**

Sponsored by Boehringer Ingelheim Vetmedica  
Monday, March 7  
12:00 – 1:30 PM

### **AASV Foundation Veterinary Student Scholarships**

Funded by Alpharma Animal Health  
and Elanco Animal Health

### **AASV Awards Reception**

Sponsored by Elanco Animal Health  
Monday, March 7  
6:00 – 8:00 PM

## Gilt Development and Acclimatization

SEMINAR #1

Date: Saturday, March 5, 2005

Time: 1:00 – 5:00 PM

Fee: \$85.00 (\$US)

Location: Harbour A (Hotel Convention Level)

Coordinator: Rodger Main

### Description

This seminar will provide attendees with an applied overview of the fundamentals involved in preparing replacement gilts for maximal productivity. We will begin with an applied review of literature followed by a domestic and international review of alternative systems of gilt development. We will then have our paradigms challenged by a look into how leaders in the poultry industry are acclimatizing replacement females. Finally, we will conclude with a detailed review of both traditional and emerging methods of acclimatizing replacement gilts.

- 1:00 Gilt development: A review of the literature  
**Malachy Young**
- 1:45 Gilt development programs in North and South America  
**Joaquin Sporke**
- 2:15 A review of field cases with alternative gilt development strategies  
**Larry Himmelberg**
- 2:45 **BREAK**
- 3:00 Acclimatizing the developing breeder hen: A poultry virologist's perspective  
**Jack Rosenberger**
- 4:00 A review of traditional and non-traditional means of acclimatizing the developing gilt  
**Locke Karriker**



**SEMINAR #2****Applying PRRS Diagnostic Tools**

Date: Saturday, March 5, 2005

Time: 1:00 – 5:00 PM

Fee: \$85.00 (\$US)

Location: Harbour B (Hotel Convention Level)

Coordinator: Julie Ménard

**Description**

The aim of this session is to give tools to the practitioners for the interpretation of their PRRS results on a day-to-day basis. It will cover some basics of PRRS immunity, serology and sequencing. Some epidemiological aspects of PRRS as well as A.I. boar testing will also be discussed. There will be seven excellent speakers who will be available to you at the end of the session to answer your questions. Looking forward to seeing you there!

- 1:00 Immunity and diagnosis of PRRS in homologous and heterologous infection  
**Michael Murtaugh**
- 1:25 PRRS serology: Present reality and future possibility  
**Monte McCaw**
- 1:50 PRRS monitoring of seedstock herds: The good, bad, and ugly  
**John Harding**
- 2:15 PRRSV monitoring in boar studs  
**Andre Broes**
- 2:40 **BREAK**
- 3:00 Applying nucleotide sequencing to the diagnosis of PRRSV  
**Steven Kleiboeker**
- 3:25 Epidemiological study on PRRS: Application and lessons  
**Sylvie D'Allaire**



## Seminar #2

- 3:50 PRRS sequencing: A practitioner's application  
**Barry Kerkaert**
- 4:15 Roundtable Q & A  
**All speakers**

## Reception

### **Pfizer Animal Health RECEPTION**

Saturday, March 5  
6:00 PM

Location: Olympic Spirit Toronto  
(transportation provided)

Enjoy an entertaining view into the realm of the Olympic athlete through numerous interactive exhibits. Join Pfizer Animal Health for a reception at the Olympic Spirit Toronto, the only place of its kind in the world.

Casual attire. Watch for signs indicating departure and return times for the 10-minute bus ride.



**SEMINAR #3**

## **Concepts of Large System Health Management**

Date: Saturday, March 5, 2005

Time: 1:00 – 5:00 PM

Fee: \$85.00 (\$US)

Location: Pier 4 (Hotel Convention Level)

Coordinator: Matthew Turner

### **Description**

Managing health within the constraints of a large system offers many benefits and challenges. This seminar will focus on some of the important topics that challenge corporate veterinarians today. Participants will leave this seminar with a new outlook on problem solving and trouble-shooting that can be applied to any system. If you are a large system vet or are interested in a systems approach to swine medicine, this is the seminar for you!

- 1:00 Driving value by managing diagnostic information  
**Spencer Wayne**
- 1:30 Balancing the health goal  
**Mike Mohr**
- 2:00 Compliance issues in large systems  
**Paul DuBois**
- 2:30 Biosecurity potholes  
**Christa Irwin**
- 3:00 **BREAK**
- 3:15 Proper study design: Avoiding biased results and interpretations  
**John Deen**
- 3:45 Managing script and extra-label drug use  
**Julia Punderson**
- 4:30 Roundtable Q & A  
**All speakers**



## Case Studies: A Six-Pack of Trouble (or Opportunity)

SEMINAR #4

Date: Saturday, March 5, 2005

Time: 1:00 – 5:00 PM

Fee: \$85.00 (\$US)

Location: Harbour C (Hotel Convention Level)

Coordinator: Rich Collins

### Description

How many “not on the list” diseases or opportunities for improvement do swine veterinarians walk by every day? This session will focus on some of these and how the veterinarian diagnosed, treated and evaluated response in their case study.

- 1:00 A bad case of the scours  
**Matt Ackerman**
- 1:30 Belly ruptures: big bucks  
**Dale Mechler**
- 2:00 Harvesting lost causes  
**Keith Aljets**
- 2:30 **BREAK**
- 2:45 Gut edema has returned  
**Randy Jones**
- 3:15 The battle of K88 in the nursery  
**Keith Wilson**
- 3:45 Unsolved mysteries of our practice  
**Lisa Tokach**
- 4:15 Roundtable Q & A  
**All speakers**



**SEMINAR #5****Boar Stud Issues**

Date: Saturday, March 5, 2005

Time: 1:00 – 5:00 PM

Fee: \$85.00 (\$US)

Location: Pier 5 (Hotel Convention Level)

Coordinator: Bob Graybill

**Description**

Expert speakers will address current management practices relating to boar studs and practical approaches to improve semen quality through comprehensive assessments of boar stud health and performance parameters. Semen, extenders, and antibiotic usage will be discussed as to the impact each may have on sow reproduction. In addition, speakers will explore current practice issues related to management goals for optimal performance of a successful boar stud. Issues suggested on last year's evaluation forms will be included in the presentations.

- 1:00 How do semen and extender evaluations affect reproduction parameters?  
**Gary Althouse**
- 1:45 Criteria for assessing boar stud performance  
**Chris Kuster**
- 2:30 **BREAK**
- 2:45 Current boar stud management practices  
**Don Levis**
- 3:45 Biosecurity changes made after a PRRS outbreak  
**Darwin Reicks**
- 4:30 Roundtable Q & A  
**All speakers**





## Improving Profitability and Production through Better Animal Care

Date: Saturday, March 5, 2005

Time: 1:00 – 5:00 PM

Fee: \$85.00 (\$US)

Location: Pier 7 and 8 (Hotel Convention Level)

Coordinator: Cate Dewey

SEMINAR #6

### Description

This seminar will give the practitioner tools to enhance the welfare of pigs in commercial operations. It will cover the full breadth of phases of production and a variety of hot welfare topics. Participants will gain a deeper understanding of the physiology behind sickness behavior, pain and healing. Management factors associated with transportation losses and shoulder ulcers will be discussed. We will also cover the role of personnel management on welfare and timely euthanasia. There are ten minute discussion periods after each speaker to enhance the exchange of information between participants.

- 1:00 Behavior of the sick pig: How to enhance recovery rates  
**Suzanne Millman**
- 1:50 Routine processing of neonatal piglets: Short term pain for long term gain?  
**Tina Widowski**
- 2:40 **BREAK**
- 2:55 Productivity and welfare in the commercial sow  
**Tim Blackwell**
- 3:40 Timely euthanasia in the field: A practitioner's perspective  
**George Charbonneau**
- 4:25 Understanding and reducing in-transit losses in the market pig  
**Charles Haley**



**SEMINAR #7**

**Foreign Animal Disease:  
Review, Terrorism, Prepared-  
ness, Experiences, and Impact**

Date: Sunday, March 6, 2005

Time: 8:00 AM – 12:00 noon

Fee: No charge

Location: Pier 4 and 5 (Hotel Convention Level)

Coordinator: Mike Senn

**Description**

The objectives of this session are to:

- 1) provide a general overview of foreign animal disease
- 2) discuss agricultural terrorism as a reality
- 3) discuss real life, global experiences with foreign animal disease
- 4) discuss preparedness programs and lessons learned
- 5) discuss the impact of a foreign animal disease on a production system

- 8:00 Agricultural terrorism  
**Marc Mattix**
- 9:00 Canadian foreign animal disease preparedness and emergency response  
**Brian Keyes**
- 9:45 **BREAK**
- 10:00 Foreign animal disease review  
**Paul Kitching**
- 11:00 Classical swine fever diagnosis: A case history  
**Harry Snelson**
- 11:15 Foreign animal disease: Impact on a production system  
**Rick Swalla**
- 11:35 Animal disposal methods  
**Brian Keyes**



## Optimizing Reproductive Efficiency

SEMINAR #8

Date: Sunday, March 6, 2005

Time: 8:00 AM – 12:00 noon

Fee: \$85.00 (\$US)

Location: Harbour B (Hotel Convention Level)

Coordinator: John Waddell

### Description

Top reproductive performance as measured by pigs per sow per year is an elusive goal for some farms. While 30 pigs/sow/year is not yet common in Denmark, there are enough farms achieving and sustaining this level of production to demonstrate that it is possible with today's genetics and technologies. This seminar will provide practical, take home advice on how we can help our clients push the envelope of reproductive efficiency towards 30 pigs/sow/year.

- 8:00 Managing for 30 pigs/sow/year  
**John Waddell**
- 9:00 Genetic selection towards 30 pigs/sow/year  
**Tom Rathje**
- 9:30 Feeding for 30 pigs/sow/year  
**Duane Reese**
- 10:00 **BREAK**
- 10:30 Applying new technologies to optimize reproduction  
**Don Levis**
- 11:15 Applying Danish technology to produce 30 pigs/sow/year in North America  
**Tony Moulds**
- 11:45 Roundtable Q & A  
**All speakers**



**SEMINAR #9**

## **The Business of Veterinary Medicine for the Soon-to-be Veterinarian**

Date: Sunday, March 6, 2005

Time: 8:00 AM – 12:00 noon

Fee: No charge for vet students and '03 and '04 graduates; \$85.00 (\$US) for others

Location: Harbour C (Hotel Convention Level)

Coordinator: Larry Firkins

### **Description**

This session will be interactive throughout the program so come ready to participate and contribute. Learn what actions you can take today to allow you to be better prepared for your first years in practice. Three veterinarians who regularly teach business principles will share their knowledge in the areas of preparing yourself to demonstrate your value, developing your leadership skills and financial management that will impact your career and your life. A veterinarian from a swine consulting practice will cover the importance of mentoring and how she has used mentors to advance her career.

- 8:00 Demonstrating value  
**David Reeves**
- 9:00 Budgeting and prioritizing revenue disbursement after graduation  
**Robert Morrison**
- 10:00 **BREAK**
- 10:15 CSI: Toronto  
**Larry Firkins**
- 11:30 Mentoring...the lead car in the first year roller coaster ride  
**Jennifer Greiner**



## Managing Feed Costs

SEMINAR #10

Date: Sunday, March 6, 2005  
Time: 8:00 AM – 12:00 noon  
Fee: \$85.00 (\$US)  
Location: Pier 9 (Hotel Convention Level)  
Coordinator: Pete Pawluk

### Description

Feed costs are still the greatest proportion of total input in the production of pork, and therefore represent the best opportunity for improving farm profitability. In this seminar we will discuss ways to measure, standardize and benchmark feed costs. Then we'll apply this information to develop practical and effective nutritional cost control solutions to the farm.

- 8:00 Use of data capture and integration IT systems to benchmark feed costs of production  
**Tom Stein**  
**Matt Ackerman**  
**Alan Childs**  
**Grant Grinstead**
- 9:00 **BREAK**
- 10:00 Practical methods for cost control in swine feeding systems  
**Matt Steidinger**
- 11:30 Roundtable Q & A  
**All speakers**

### Luncheon

#### Pfizer Animal Health SUNDAY LUNCHEON

Presentation: What business practices make veterinarians financially successful? Results of the AVMA-Pfizer business practices study (2004).

12:00 noon

Location: Frontenac  
(Conference Centre, Street Level)



**SEMINAR #11**

## **Applied Swine Medicine: Taking it to the Farm**

Date: Sunday, March 6, 2005

Time: 8:00 AM – 12:00 noon

Fee: \$85.00 (\$US)

Location: Harbour A (Hotel Convention Level)

Coordinator: Ross Kiehne

### **Description**

This seminar will share four ways that other practitioners are using science to improve the farms they work with. Every talk will be summarized with take home messages. Practice (and farm) builders will be shared with some new ideas. We will be covering some of the most common diseases (PRRS, HPS, Flu) and learn how to make sure our interventions worked.

- 8:00 Introduction  
**Ross Kiehne**
- 8:15 Bacterial disease control using exposure techniques  
**Doug Groth**
- 9:00 The science of pig environment and its effect on health and production  
**Mike Eisenmenger**
- 9:45 **BREAK**
- 10:00 Using PRRS ELISA to determine sow farm and grow/finish stability  
**Todd Distad**
- 10:45 Conducting practical and real on-farm experiments  
**Locke Karriker**
- 11:30 Roundtable Q & A  
**All speakers**



## Parity Segregation: Application in the Industry

SEMINAR #12

Date: Sunday, March 6, 2005

Time: 8:00 AM – 12:00 noon

Fee: \$85.00 (\$US)

Location: Pier 2 and 3 (Hotel Convention Level)

Coordinator: James Kober

### Description

Parity segregation has been used in the industry for several years. Benefits can be identified in the breeding herd and in the growing pigs when gilts and their offspring are segregated. We will hear lessons learned since parity segregated production was introduced and how it is being applied in systems of varying size.

- 8:00 The beginnings of parity segregation, what we have learned, and how it will evolve  
**Camille Moore**
- 8:35 Why segregation works and what it means economically  
**John Deen**
- 9:10 Parity segregation: Methods of disease control and elimination  
**Butch Baker**
- 9:45 **BREAK**
- 10:00 Benefits and pitfalls of parity segregation  
**Luc Dufresne**
- 10:30 Implementation of parity segregation in production systems  
**Bill Hollis**
- 11:00 Parity segregation on a large, independent farm  
**James Kober**
- 11:30 Roundtable Q & A  
**All speakers**



**SUNDAY, MARCH 6, 2005****Student Seminar  
Concurrent session #1**

Time: 1:00 – 5:00 PM

Location: Pier 4 and 5 (Hotel Convention Level)

Session co-chairs: Tom Fangman and  
Sandra Amass**Co-sponsored by****Alpharma Animal Health**

- 1:00 Effect of antibiotic administration in pigs after weaning in the presence of concurrent nutritional and environmental stressors  
**Lynette Wellen, University of Illinois**
- 1:15 Effects of synthetic progestin (altrenogest) administration to primiparous female swine with short or long lactation length on measures of subsequent reproductive performance  
**Stacey Walk, University of Illinois**
- 1:30 Effect of PCV2 passive antibody levels on vaccination with chimeric PCV1–2 vaccine and challenge with wild-type PCV2  
**Peter Thomas, Iowa State University**
- 1:45 Treatment of ear hematomas in swine  
**Janet Sunstrum, University of Guelph**
- 2:00 A review of diagnostic tools for the detection of mycoplasmas in the respiratory tract of swine  
**Erin Strait, Iowa State University**
- 2:15 The influence of environmental temperature on PRRSV retention in houseflies  
**Jennifer Schurrer, University of Minnesota**
- 2:30 Development of a quality-controlled protocol and resulting commercial sow farm production for on-farm live PRRS virus inoculation  
**Michael Pugh, Iowa State University**
- 2:45 Accuracy of methods used to determine sperm concentration in extended porcine semen doses  
**Brian Payne, University of Illinois**
- 3:00 **BREAK**





## Student Seminar

- 3:15 Determination of acetylsalicylic acid and sodium salicylate product stability and achievable serum concentrations under typical nursery conditions  
**Abby Patterson, Iowa State University**
- 3:30 Caesarian derivation of piglets to manage disease risk of genetic introduction  
**Jill Odle, Texas A & M University**
- 3:45 Semen extension; a comparison of methods  
**Deborah Murray, University of Minnesota**
- 4:00 Characterization of serological cross-reactivity between genetically different H1N1 and H1N2 swine influenza viruses  
**Brad Leuwerke, Iowa State University**
- 4:15 The role of beta-glucan for improving the survival of piglets to weaning  
**Nicola Jackson, University of Prince Edward Island**
- 4:30 Prevalence and significance of *Actinobacillus pleuropneumoniae* and *Actinobacillus suis* in Ontario  
**Heather Gunn-McQuillan, University of Guelph**
- 4:45 Prevalence of *Yersinia enterocolitica* in different phases of production on swine farms  
**Andrew Bowman, Ohio State University**

## Receptions

### Fort Dodge Animal Health and Wyeth Animal Health

#### WELCOME RECEPTION

6:00 – 8:00 PM

Location: Frontenac

(Conference Centre, Street Level)

### Intervet

#### STUDENT RECEPTION

8:30 – 11:00 PM

Location: Harbour Ballroom

(Hotel Convention Level)



**SUNDAY, MARCH 6, 2005****Industrial Partners  
Concurrent session #2**

Time: 1:00 – 5:30 PM

Location: Harbour A (Hotel Convention Level)

Session chair: Jennifer Greiner

- 1:00 New approach for veterinarian diagnostics  
**Speaker: Maamar Achacha**  
**Sponsor: Arivac**
- 1:15 The first needle-free injection system for swine in Canada  
**Speaker: Gilles Paquin**  
**Sponsor: Arivac**
- 1:30 Pig parts for people, or “Is there a pig liver in your future?”  
**Speaker: Rexanne Struve**  
**Sponsor: Struve Labs, Inc.**
- 1:45 A new direction for the National Veterinary Accreditation Program  
**Speaker: Lawrence Miller**  
**Sponsor: USDA**
- 2:00 ACVPM board certification opportunities  
**Speaker: Paul Sundberg**  
**Sponsor: American College of Veterinary Preventive Medicine**
- 2:15 Integra Micro-Meter  
**Speaker: Kevin Rath**  
**Sponsor: Automated Production Systems**
- 2:30 FAST® Alley™ Design: A convenient option for implementing automatic sorting  
**Speaker: Frank Brummer**  
**Sponsor: Farmweld**
- 2:45 Emcelle tocopherol (d-alpha-tocopherol): A biologically available source of vitamin E for newly-weaned piglets  
**Speaker: Robert Stuart**  
**Sponsor: Stuart Products**



## Industrial Partners

- 3:00 **BREAK**
- 3:15 Comparison of feed-based preventive vs. water-based therapeutic medication programs on performance, health and economics of grow-finish pigs  
**Speaker: Teddi Wolff**  
**Sponsor: Alpharma Animal Health**
- 3:30 An overview of research on bacitracin methylene disalicylate (BMD) in sow diets  
**Speaker: Teddi Wolff**  
**Sponsor: Alpharma Animal Health**
- 3:45 *Clostridium novyi* induction trial to evaluate the pathogenesis of clinical disease in sows  
**Speaker: Roy Schultz**  
**Sponsor: Alpharma Animal Health**
- 4:00 Current slaughter and serological surveys indicate *Sarcoptes scabiei* var. *suis* and ascarid spread continues in the USA swine industry  
**Speaker: Jennifer Greiner and Douglas Weiss**  
**Sponsor: Merial**
- 4:15 Demonstration of short-term efficacy in pigs of *Mycoplasma hyopneumoniae* experimental vaccines by an innovative needle-free route  
**Speaker: Catherine Charreyre**  
**Sponsor: Merial**
- 4:30 Efficacy of lower dose levels of Ivomec® premix against *Ascaris suum* in experimentally infected pigs  
**Speaker: Jozef Vercruysse**  
**Sponsor: Merial**
- 4:45 International Biotechnology Center: bridges the gap between developing and implementing new reproductive technologies  
**Speaker: Mark Wilson**  
**Sponsor: Minitube of America**
- 5:00 GEDIS® AI catheter impact on reproductive performance and labor savings  
**Speaker: Michelle Michalak**  
**Sponsor: Genes Diffusion**
- 5:15 Gel-based feed improves performance of nursery pigs  
**Speaker: Brenda de Rodas**  
**Sponsor: Land O'Lakes Farmland Feed**



**SUNDAY, MARCH 6, 2005****Industrial Partners  
Concurrent session #3**

Time: 1:00 – 5:30 PM

Location: Harbour B (Hotel Convention Level)

Session chair: Peter Provis

- 1:00 Case studies: Sow and finishing performance – can you have both?  
**Speaker: Darwin Kohler**  
**Sponsor: Babcock Genetics**
- 1:15 A case study of key tools to improving and maximizing gilt reproductive performance  
**Speaker: Jeff Hall**  
**Sponsor: Babcock Genetics**
- 1:30 Can you afford not to close your herd? Comparisons based on Babcock Genetics and utilizing the University of Georgia's GENCOST program  
**Speaker: James Schneider**  
**Sponsor: Babcock Genetics**
- 1:45 A whole-genome, high-density scan of the swine genome  
**Speaker: Michael Lohuis**  
**Sponsor: Monsanto Choice Genetics**
- 2:00 A method for delivering superior swine genetics  
**Speaker: Sam Buttram**  
**Sponsor: Monsanto Choice Genetics**
- 2:15 Genetic improvement of meat quality and fertility using the national nucleus  
**Speaker: Rick Pfortmiller**  
**Sponsor: National Swine Registry**
- 2:30 Second stage of a MEW protocol for the elimination of PRRS and mycoplasma  
**Speaker: Mark Weaver**  
**Sponsor: Newsham Genetics**
- 2:45 Ultrasound in swine breeding operations  
**Speaker: Len Nighswonger**  
**Sponsor: E.I. Medical**



## Industrial Partners

- 3:00 **BREAK**
- 3:15 Improving the profit of your swine operation: the role of genetics  
**Speaker: Noel Williams**  
**Sponsor: PIC**
- 3:30 Taking a 22,000 sow system PRRSV negative  
**Speaker: Alberto Alfonso**  
**Sponsor: PIC**
- 3:45 Applying genetic marker technology to improve sow longevity  
**Speaker: Max Rothschild**  
**Sponsor: PIC**
- 4:00 Application of MATRIX™ as a component of effective gilt development unit management  
**Speaker: George Foxcroft**  
**Sponsor: Intervet**
- 4:15 EndFLUence® 2 provides protection against cluster III H3N2 experimental challenge  
**Speaker: Brad Thacker**  
**Sponsor: Intervet**
- 4:30 Flavomycin® supplementation of nursery pig diets  
**Speaker: Darryl Ragland**  
**Sponsor: Intervet**
- 4:45 Subclinical ileitis produced by sequential dilutions of *Lawsonia intracellularis* in a mucosal homogenate challenge model  
**Speaker: Marie-Anne Paradis**  
**Sponsor: Elanco Animal Health**
- 5:00 The public health consequences of macrolide use in food animals: A deterministic risk assessment  
**Speaker: H. Scott Hurd**  
**Sponsor: Elanco Animal Health**
- 5:15 Impact of animal handling and transportation conditions on losses of slaughter weight swine during transport  
**Speaker: Mike Ellis**  
**Sponsor: Elanco Animal Health**



**SUNDAY, MARCH 6, 2005****Industrial Partners  
Concurrent session #4**

Time: 1:00 – 5:00 PM

Location: Harbour C (Hotel Convention Level)

Session chair: Mike Kuhn

- 1:00 Typing of *Lawsonia intracellularis* isolates by analysis of variable number tandem repeat profiles  
**Speaker: Dana Beckler**  
**Sponsor: Swine Services Unlimited**
- 1:15 *H. parasuis*: Sampling, diagnostics and autogenous bacterin development  
**Speaker: Lori Moser**  
**Sponsor: Gallant Custom Laboratories**
- 1:30 Advantages of using mimic target molecules for in-house virus PCR assays  
**Speaker: Brad Bosworth**  
**Sponsor: Novartis Animal Health**
- 1:45 Evaluation of alpha toxoid levels in autogenous *Clostridium perfringens* type A bacterin  
**Speaker: Brad Bosworth**  
**Sponsor: Novartis Animal Health**
- 2:00 Evaluation of a one-dose *Mycoplasma hyopneumoniae* bacterin  
**Speaker: Brad Bosworth**  
**Sponsor: Novartis Animal Health**
- 2:15 Draxxin®: A novel triamilide antibiotic for swine respiratory disease  
**Speaker: Nigel Evans**  
**Sponsor: Pfizer Animal Health**
- 2:30 Efficacy of tulathromycin (Draxxin®) against key SRD pathogens in model studies  
**Speaker: Randy Kilgore**  
**Sponsor: Pfizer Animal Health**
- 2:45 Clinical efficacy of Draxxin® for treating naturally occurring SRD in North America and Europe  
**Speaker: Steve Sornsen**  
**Sponsor: Pfizer Animal Health**



## Industrial Partners

- 3:00 **BREAK**
- 3:15 A novel approach to characterize *Haemophilus parasuis* field isolates using a PCR assay for detecting a neuraminidase gene and using a spot test for estimating the neuraminidase activity expressed by the isolate  
**Speaker: Boh Chang Lin**  
**Sponsor: MVP Laboratories**
- 3:30 The effectiveness of Banamine® for the management of pyrexia in pigs associated with naturally occurring disease  
**Speaker: Robert Simmons**  
**Sponsor: Schering-Plough Animal Health**
- 3:45 Evaluation of safety and efficacy of *Mycoplasma hyopneumoniae* bacterin (M+Pac™) when administered as single and two dose under field conditions  
**Speaker: Huchappa Jayappa**  
**Sponsor: Schering-Plough Animal Health**
- 4:00 Evaluation of efficacy of *Escherichia coli* bacterin in controlling neonatal diarrhea in pigs (Scourmune®) under field conditions  
**Speaker: Gail Cunningham**  
**Sponsor: Schering-Plough Animal Health**
- 4:15 Optimal vaccination timing with Enterisol® Ileitis  
**Speaker: Don Walter**  
**Sponsor: Boehringer Ingelheim Vetmedica**
- 4:30 Enterisol® SC-54 cross-protection against a virulent *Salmonella typhimurium* strain  
**Speaker: Axel Neubauer**  
**Sponsor: Boehringer Ingelheim Vetmedica**
- 4:45 Impact of repeated immunization with a closely related vaccine (Ingelvac® PRRS MLV) on PRRSV VR-2332 persistence and transmission in a population of pigs  
**Speaker: Jean Paul Cano**  
**Sponsor: Boehringer Ingelheim Vetmedica**
- 5:00 Influence of WEANMOR+® fed to sows on urine pH, stillbirth rate, and preweaning mortality  
**Speaker: Brent Christopherson**  
**Sponsor: SODA Feed Ingredients LLC**
- 5:15 An update on mycoplasma vaccines  
**Speaker: Johanne Elsener**  
**Sponsor: Fort Dodge Animal Health and Wyeth Animal Health**



**SUNDAY, MARCH 6, 2005****Qualified Accredited Veterinarian (QAV) training: Trichinae certification**

Time: 1:00 – 5:00 PM

Fee: None (Limit 10 registrants)

Location: Queens Quay 1 (Conference Centre, Street Level)

Coordinator: David Pyburn

The Trichinae Certification Program is a developing USDA pre-harvest pork safety program that will provide documentation of swine management practices which minimize risk of exposure of swine to the zoonotic parasite *Trichinella spiralis*. The program establishes a set of processes that enable producers to raise swine that are not a risk to human health due to parasite exposure. This program has been piloted in the Midwest. The USDA regulation writing and publishing process will be completed in 2005 after which this voluntary program will be available to the pork industry.

Your role in the program as the Qualified Accredited Veterinarian (QAV) for production sites requesting to enter into the program is to objectively assess the existence of the risk factors for *Trichinella* infection. The Program Audit form will lead you through the site assessment. As a USDA accredited veterinarian, completion of the QAV training session will qualify you to perform this on-farm auditing service for pork production units and it will train you on how to assess trichinella infection risk factors.

Since all Qualified Accredited Veterinarians must first be accredited by USDA, this workshop is only open to currently accredited veterinarians. The training is conducted via computer CD ROM and will take approximately 3 1/2 hours. Computers and all needed materials will be supplied for your use at the workshop.



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# **KIOSK**

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AASV Internet Kiosk!  
Location: Hotel Convention Level

## AASV Prayer Breakfast



**Sunday, March 6**

**7:00 – 8:00 AM**

Location: Dockside 1  
(Hotel Lower Level)

Start your day off right with nourishment for your soul as well as food for your body! Gather with other AASV meeting attendees for breakfast, devotional time, and fellowship, led by Dr. David Smidt. The devotion will conclude by 8:00 AM to allow participation in the pre-conference seminars, but feel free to stay and visit if you wish. A breakfast buffet will be available for purchase. All AASV meeting attendees and their families are welcome!

## AASV Spouse Shopping Excursion



**Sunday, March 6**

**1:15 PM**

Location: Meet in the  
Westin Hotel Lobby

Join AASV “First Lady” Carol Waddell and other AASV spouses on a shopping excursion to Toronto’s Eaton Centre. The Centre is touted as one of the most visited tourist attractions in Toronto, and boasts 285 shops, restaurants and services under a spectacular glass galleria. If you like to shop with friends, meet in the Westin Hotel lobby and make plans to travel together via taxis or the economical public transportation system.

## Spouse Hospitality Suite

**Monday, March 7**

**7:00 – 10:00 AM**

Location: Regata (Hotel Lobby Level)  
Continental breakfast provided

All AASV spouses are invited to this informal gathering. Enjoy a pastry and coffee or juice while you make new acquaintances or visit old friends.

**Spouse Tour**  
*Winter*  
*in*  
*Niagara*



**Monday, March 7**

9:30 AM – 5:00 PM

Fee: \$67.50 (\$US)

Meet in Regata  
(Hotel Lobby Level)

Hostess: AASV “First Lady” Carol Waddell

After traveling to Ontario, you won't want to miss the opportunity to view the magnificent Niagara Falls bedecked in their winter finery of spectacular hanging icicles! Bring your camera, as the tour will transport you from the Westin Harbour Castle hotel to the brink of the Falls for a fabulous photo opportunity. Next, you'll enjoy a sumptuous buffet feast at the Penthouse Restaurant, quite possibly with a view from one of the windows over-looking the impressive sight as water from the Upper Great Lakes Basin plummets over the 167 foot-high precipice of Niagara.

The tour continues through the picturesque 19<sup>th</sup> century town of Niagara-On-The-Lake. You will enjoy seeing how this historic town has been beautifully restored to depict its heritage as one of the oldest settlements in Ontario. Your next stop is Hillebrand Winery, one of Ontario's world-class wineries, where you'll enjoy a facility tour and wine tasting. After a short time to shop in the winery gift store, you'll head back to Toronto to arrive in plenty of time for the evening social events at the Westin. Your transportation, tour guide, and lunch are all included in the tour registration fee. Pre-registration is required and space is limited, so sign up early!

**MONDAY, MARCH 7, 2005**

**Applying the Basics  
General Session**

Time: 8:00 AM – 12:00 noon  
Location: Metro Centre (Conference Centre,  
Second Level)  
Session chair: Tom Gillespie

**Howard Dunne**

8:00

**Memorial Lecture**

**“Lifelong learning: Applying  
science in practice”**

**Speaker: Scott Dee**

9:00

Science in practice: practice examples  
**Camille Moore**

9:45

**BREAK**

10:00

Science and practice - two perspectives, one  
goal: A path for progress  
**Laura Batista**

10:45

Effective biosecurity: the case for compliance  
and regional perspective  
**J.P. Vaillancourt**

11:30

Founders' message: Oh how the times have  
changed – A Canadian perspective  
**S. Ernest Sanford**

**Luncheon**

**AASV LUNCHEON**

Sponsored by

**Boehringer Ingelheim  
Vetmedica, Inc.**

12:00 Noon

Location: Frontenac  
(Conference Centre, Street Level)



**MONDAY, MARCH 7, 2005**

**PRRS: Managing Population Immunity**

**Concurrent session #1**

Time: 1:30 – 5:30 PM

Location: Metro Centre (Conference Centre, Second Level)

Session chair: Max Rodibaugh

PRRS

- 1:30 PRRS vaccinology: Past, present, future  
**Bill Mengeling**
- 2:10 Mass vaccination: Expectations and results in practice  
**Dave Smidt**
- 2:30 Mass vaccination applied to a production system  
**Matthew Turner**
- 2:45 Planned exposure procedures, principles, and goals  
**Mark Fitzsimmons**
- 3:15 **BREAK**
- 3:30 PRRS planned exposure: A summary of results  
**Mark Wagner**
- 4:00 PRRS planned exposure regulatory considerations  
**Brian Erdahl**
- 4:30 PRRS planned exposure and unplanned consequences: The legal considerations  
**Tom Patterson**
- 5:00 Roundtable Q & A  
**All speakers**



**MONDAY, MARCH 7, 2005****Research Topics  
Concurrent session #2**

Time: 1:30 – 5:30 PM

Location: Metro East (Conference Centre,  
Second Level)

Session chair: Cate Dewey

- 1:30 Towards timed single insemination in sows  
**Glen Cassar**
- 1:45 The effect of on-farm semen storage temperature  
on stored semen quality  
**Beth Young**
- 2:00 Risk factors for the development of decubital  
ulcers over the scapula in sows  
**Thomas Rosendal**
- 2:15 Immune response and effect of maternal anti-  
body interference on vaccination with a  
bivalent swine influenza vaccine  
**Eileen Thacker**
- 2:30 The prevalence of exposure to *Salmonella* sp.  
in finishing swine marketed in Iowa  
**James McKean**
- 2:45 A study investigating farm-level risk factors  
for variation in carcass characteristics in  
pigs in southern Ontario  
**Tiffany Cottrell**
- 3:00 Risk factors associated with seropositivity to  
*Lawsonia intracellularis* in Alberta finishing swine  
**Cesar Corzo**
- 3:15 **BREAK**



## Research Topics

- 3:30 Optimization of collection methods for the study of swine viral pathogens in aerosols  
**J.R. Hermann**
- 3:45 Molecular characterization of evolution of PRRS virus structural protein genes during long-term sequential pig-to-pig passages  
**Sang-Ho Cha**
- 4:00 Immunological significance of PRRSV genetic variation  
**Won-II Kim**
- 4:15 Timeline of early detection of PRRS virus in boars  
**Darwin Reicks**
- 4:30 Area-based prevalence of PRRSV and the initiation of a regional control program  
**Enrique Mondaca-Fernandez**
- 4:45 Genomic and *in vivo* comparison of PCV2 isolates from clinical PMWS cases with and without hallmark microscopic lesions of lymphoid depletion  
**Tanja Opriessnig**
- 5:00 Evidence of genetic influence on the expression of porcine circovirus disease (PCVD) in postweaning pigs  
**Sergio López-Soria**
- 5:15 Antimicrobial resistance surveillance in Canada: How does pork compare?  
**Anne Deckert**

## Awards Reception

### AASV AWARDS RECEPTION

Sponsored by

**Elanco Animal Health**

6:00 PM

Location: Frontenac  
(Conference Centre, Street Level)



**TUESDAY, MARCH 8, 2005****Biosecurity  
Concurrent session #1**

Time: 9:00 AM – 1:00 PM  
Location: Pier 4 and 5 (Hotel Convention Level)  
Session chair: Stephen Patterson

- 9:00 Current research in biosecurity  
**Scott Dee**
- 9:45 Aerosol transmission of swine pathogens: Overview of the subject and evaluation of suspected field cases  
**Robert Desrosiers**
- 10:30 **BREAK**
- 11:00 Flying insects as biosecurity risks and what the swine vet needs to know  
**Roger Moon**
- 11:45 Applying a tool for PRRS risk assessment  
**Dale Polson**
- 12:30 Applying air filtration to boar studs  
**Andy Holtcamp**

**Breakfast and Business Meeting****Breakfast and Annual  
Business Meeting**

7:00 AM  
Location: Frontenac  
(Conference Centre, Street Level)





**TUESDAY, MARCH 8, 2005**

**Making Decisions in Grow Finish  
Concurrent session #2**

Time: 9:00 AM – 1:00 PM  
Location: Metro East (Conference Centre,  
Second Level)  
Session chair: Kerry Keffaber

**GROW/FINISH**

- 9:00 Proforma budgets and the at-risk pig  
**John Deen**
- 9:30 Using opportunity cost for improving  
finishing performance  
**Doug MacDougald**
- 10:00 What we have learned about G/F performance  
**James Lowe**
- 10:45 **BREAK**
- 11:00 Working with a producer-owned cooperative  
packer, Meadowbrook Farms  
**Alan Wildt**
- 11:15 Learning how to invest in animal health  
**Mike Mohr**
- 11:45 Practical considerations in antibiotic usage  
**Larry Rueff**
- 12:30 Roundtable Q & A  
**All speakers**

**French Member Breakfast**

**Enjoy breakfast and discussion  
with your French-speaking  
AASV colleagues**

7:00 AM

Location: Queen's Quay 1  
(Conference Centre, Street Level)



**TUESDAY, MARCH 8, 2005****Understanding and Applying Immunology****Concurrent session #3**

Time: 9:00 AM – 1:00 PM

Location: Metro Centre (Conference Centre, Second Level)

Session chair: Mark Wagner

- 9:00 The porcine innate immune system  
**James Roth**
- 9:40 Acquired immunity  
**Joan Lunney**
- 10:20 Immune response to *Streptococcus suis* infection  
**Marcelo Gottschalk**
- 10:45 **BREAK**
- 11:00 Immunity in *E. coli* post-weaning diarrhea in pigs  
**Carlton Gyles**
- 11:25 Immunity to *Haemophilus parasuis*  
**Simone Oliveira**
- 11:50 The protective immune response to swine influenza virus: the European experience  
**Kristien VanReeth**
- 12:20 Roundtable Q & A  
**All speakers**

**Spanish Member Breakfast**

**Enjoy breakfast and discussion  
with your Spanish-speaking  
AASV colleagues**

7:00 AM

Location: Queen's Quay 2  
(Conference Centre, Street Level)



**TUESDAY, MARCH 8, 2005**

**Veterinarians and Production Management**

**Concurrent session #4**

Time: 9:00 AM – 1:00 PM

Location: Pier 2 and 3 (Hotel Convention Level)

Session chair: Sarah Probst Miller

**PRODUCTION**

- 9:00 Services to provide with your management team  
**Daryl Olsen**
- 9:30 Establishing the right amount of people power  
**Luke Minion**
- 10:00 Guiding and developing your human resources team  
**Sarah Fogleman**
- 10:30 Leadership in the swine industry: How to get people to believe and execute  
**Jim Pillen**
- 11:00 **BREAK**
- 11:15 Monitoring personnel understanding of training via pre- and post-training testing (and impact on specific production parameters)  
**Sarah Probst Miller**
- 11:30 Identifying and communicating key drivers of financial performance to production management  
**Steve Weiss, CPA**
- 12:00 Employee financial training and incentives  
**Craig Rowles**
- 12:30 Proactive production management and pig flow decisions in finishers  
**Jason Kelly**



## SPEAKERS

Maamar Achacha  
Matt Ackerman  
Alberto Alfonso  
Keith Aljets  
Gary Althouse  
R. Butch Baker  
Laura Batista  
Dana Beckler  
Tim Blackwell  
Brad Bosworth  
Andrew Bowman  
Andre Broes  
Frank Brummer  
Sam Buttram  
Jean Paul Cano  
Glen Cassar  
Sang-Ho Cha  
George Charbonneau  
Catherine Charreyre  
Alan Childs  
Brent Christopherson  
Cesar Corzo  
Tiffany Cottrell  
Gail Cunningham  
Sylvie D'Allaire  
Brenda de Rodas  
Anne Deckert  
Scott Dee  
John Deen  
Robert Desrosiers  
Todd Distad  
Paul DuBois  
Luc Dufresne  
Mike Eisenmenger  
Mike Ellis  
Johanne Elsener  
Brian Erdahl  
Nigel Evans  
Larry Firkins  
Mark Fitzsimmons  
Sarah Fogleman  
George Foxcroft  
St-Hyacinthe, QC  
Greensburg, IN  
Meridan, Yucatan  
Williamsburg, IA  
Kennett Square, PA  
Clinton, NC  
St-Hyacinthe, QC  
St. Paul, MN  
Fergus, ON  
Nevada, IA  
Hilliard, OH  
Quebec, QC  
Teutopolis, IL  
Chesterfield, MO  
St. Paul, MN  
Guelph, ON  
Ames, IA  
Stratford, ON  
Duluth, GA  
Eagan, MN  
Brookings, SD  
Bogota, Colombia  
Frederick, MD  
Camrose, AB  
St-Hyacinthe, QC  
Gray Summit, MO  
Guelph, ON  
St. Paul, MN  
St. Paul, MN  
St-Hyacinthe, QC  
Algona, IA  
Wichita, KS  
Shawnee Mission, KS  
St. Peter, MN  
Urbana, IL  
Ste-Foy, QC  
Ames, IA  
New York, NY  
Mahomet, IL  
Mapleton, MN  
Chanute, KS  
Edmonton, AB

## **SPEAKERS (continued)**

Marcelo Gottschalk	Quebec, QC
Jennifer Greiner	Wolcott, IN
Grant Grinstead	Madison, WI
Doug Groth	Carthage, IL
Heather Gunn-McQuillan	Guelph, ON
Carlton Gyles	Guelph, ON
Charles Haley	Guelph, ON
Jeff Hall	Rochester, MN
John Harding	Saskatoon, SK
J.R. Hermann	Ames, IA
Larry Himmelberg	Lincoln, NE
Bill Hollis	Carthage, IL
Andy Holtcamp	Iowa Falls, IA
H. Scott Hurd	Ames, IA
Christa Irwin	Nevada, MO
Nicola Jackson	Charlottetown, PEI
Huchappa Jayappa	Elkhorn, NE
Randy Jones	Kinston, NC
Locke Karriker	Ames, IA
Jason Kelly	Algona, IA
Barry Kerkaert	Pipestone, MN
Brian Keyes	Guelph, ON
Randy Kilgore	Kalamazoo, MI
Won-Il Kim	Ames, IA
Paul Kitching	Winnipeg, MB
Steven Kleiboeker	Columbia, MO
James Kober	Holland, MI
Darwin Kohler	Rochester, MN
Chris Kuster	Geneseo, IL
Brad Leuwerke	Ames, IA
Don Levis	Columbus, OH
Boh Chang Lin	Ralston, NE
Michael Lohuis	Chesterfield, MO
Sergio Lopez-Soria	Bellaterra, Barcelona
James Lowe	Carlyle, IL
Joan Lunney	Beltsville, MD
Doug MacDougald	Stratford, ON
Marc Mattix	Bozeman, MT
Monte McCaw	Raleigh, NC
James McKean	Ames, IA
Dale Mechler	Algona, IA
Bill Mengeling	Ames, IA

## **SPEAKERS (continued)**

Michelle Michalak	Maria Stein, OH
Lawrence Miller	Washington, DC
Suzanne Millman	Guelph, ON
Luke Minion	Pipestone, MN
Mike Mohr	Warsaw, NC
Enrique Mondaca-Fernandez	St. Paul, MN
Roger Moon	St. Paul, MN
Camille Moore	St-Cesaire, QC
Robert Morrison	St. Paul, MN
Lori Moser	Cambridge, ON
Tony Moulds	Lacombe, AB
Deborah Murray	Watertown, MN
Michael Murtaugh	St. Paul, MN
Axel Neubauer	St. Joseph, MO
Len Nighswonger	Loveland, CO
Jill Odle	College Station, TX
Simone Oliveira	Girona, Spain
Daryl Olsen	Audubon, IA
Tanja Opriessnig	Ames, IA
Gilles Paquin	St-Hyacinthe, QC
Marie-Anne Paradis	St-Jean-sur-Richelieu, QC
Abby Patterson	Story City, IA
Tom Patterson	Sioux City, IA
Brian Payne	Savoy, IL
Rick Pfortmiller	West Lafayette, IN
Jim Pillen	Columbus, NE
Dale Polson	Ankeny, IA
Sarah Probst Miller	Carthage, IL
Michael Pugh	Ames, IA
Julia Punderson	Gaithersburg, MD
Darryl Ragland	West Lafayette, IN
Kevin Rath	Schuyler, NE
Tom Rathje	Seward, NE
Duane Reese	Lincoln, NE
David Reeves	Athens, GA
Darwin Reicks	St. Peter, MN
John Rosenberger	Newark, DE
Thomas Rosendal	Guelph, ON
James Roth	Ames, IA
Max Rothschild	Ames, IA
Craig Rowles	Carroll, IA
Larry Rueff	Greensburg, IN

## **SPEAKERS (continued)**

S. Ernest Sanford	London, ON
James Schneider	Holmen, WI
Roy Schultz	Avoca, IA
Jennifer Schurrer	Roseville, MN
Robert Simmons	Martinsville, NJ
David Smidt	Orange City, IA
Harry Snelson	Washington, DC
Steve Sornsen	Ames, IA
Joaquin Sporke	Providencia, Santiago
Matt Steidinger	Anchor, IL
Tom Stein	Bloomington, MN
Erin Strait	Webster City, IA
Rexanne Struve	Manning, IA
Robert Stuart	Bedford, TX
Paul Sundberg	Ames, IA
Janet Sunstrum	Guelph, ON
Rick Swalla	Ames, IA
Brad Thacker	Huxley, IA
Eileen Thacker	Ames, IA
Peter Thomas	Ames, IA
Lisa Tokach	Abilene, KS
Matthew Turner	Clinton, NC
Jean-Pierre Vaillancourt	St-Hyacinthe, QC
Kristien Van Reeth	Merelbeke, Belgium
Jozef Vercruyse	Merelbeke, Belgium
John Waddell	Sutton, NE
Mark Wagner	Fairmont, MN
Stacey Walk	Champaign, IL
Don Walter	Iowa City, IA
Spencer Wayne	St. Paul, MN
Mark Weaver	Webster City, IA
Douglas Weiss	Clive, IA
Steve Weiss	Mason City, IA
Lynette Wellen	Urbana, IL
Tina Widowski	Guelph, ON
Alan Wildt	Virginia, IL
Noel Williams	Franklin, KY
Keith Wilson	Worthington, MN
Mark Wilson	Verona, WI
Malachy Young	Wainwright, AB
Teddi Wolff	Kansas City, MO
Beth Young	Guelph, ON



**37th  
Annual  
Meeting**

**March 4-7  
2006**

**Westin Crown  
Center**

**Kansas City,  
Missouri**



**SCHEDULE**

# **SATURDAY MARCH 5**

**8:00 AM**

ABVP Certification Entrance Exam  
Location: Dockside 2 (Hotel Lower Level)

**9:00 AM**

Registration Desk open (Hotel Convention Level)

**1:00 PM**

**SEMINARS**

- #1 Gilt Development and Acclimatization  
(see page 11)  
Location: Harbour A (Hotel Convention Level)
- #2 Applying PRRS Diagnostic Tools (see page 12)  
Location: Harbour B (Hotel Convention Level)
- #3 Concepts of Large System Health Management  
(see page 14)  
Location: Pier 4 (Hotel Convention Level)
- #4 Case Studies: A Six-Pack of Trouble (or  
Opportunity) (see page 15)  
Location: Harbour C (Hotel Convention Level)
- #5 Boar Stud Issues (see page 16)  
Location: Pier 5 (Hotel Convention Level)
- #6 Improving Profitability and Production  
through Better Animal Care (see page 17)  
Location: Pier 7 and 8 (Hotel Convention Level)

**6:00 PM**

**RECEPTION**

Sponsored by **PFIZER ANIMAL HEALTH**  
Location: Olympic Spirit Toronto  
(transportation provided)

# SUNDAY MARCH 6

**7:00 AM**

Registration Desk open (Hotel Convention Level)

AASV Prayer Breakfast

Location: Dockside 1 (Hotel Lower Level)

**8:00 AM****SEMINARS**

- #7 Foreign Animal Disease: Review, Terrorism, Preparedness, Experiences, and Impact (see page 18)  
Location: Pier 4 and 5 (Hotel Convention Level)
- #8 Optimizing Reproductive Efficiency (see page 19)  
Location: Harbour B (Hotel Convention Level)
- #9 The Business of Veterinary Medicine for the Soon-to-be Veterinarian (see page 20)  
Location: Harbour C (Hotel Convention Level)
- #10 Managing Feed Costs (see page 21)  
Location: Pier 9 (Hotel Convention Level)
- #11 Applied Swine Medicine: Taking it to the Farm(see page 22)  
Location: Harbour A (Hotel Convention Level)
- #12 Parity Segregation: Application in the Industry (see page 23)  
Location: Pier 2 and 3 (Hotel Convention Level)

# SUNDAY MARCH 6

SCHEDULE

**12:00 PM**

## **SUNDAY LUNCHEON**

Sponsored by **PFIZER ANIMAL HEALTH**

Presentation: What business practices make veterinarians financially successful? Results of the AVMA-Pfizer business practices study (2004).  
Location: Frontenac (Conference Center, Street Level)

## **AASV FOUNDATION LUNCHEON**

Location: Bay (Conference Centre, Street Level)

**1:00 PM**

Session #1: Student Seminar (see page 24)

Location: Pier 4 and 5 (Hotel Convention Level)

Co-sponsored by **ALPHARMA ANIMAL HEALTH**

Session #2: Industrial Partners (see page 26)

Location: Harbour A (Hotel Convention Level)

Session #3: Industrial Partners (see page 28)

Location: Harbour B (Hotel Convention Level)

Session #4: Industrial Partners (see page 30)

Location: Harbour C (Hotel Convention Level)

QAV training: Trichinae certification (see page 32)

Location: Queens Quay 1 (Conference Centre, Street Level)

**1:15 PM**

Spouse Shopping Excursion  
(Meet in Westin Hotel Lobby)

**6:00 - 8:00 PM**

## **WELCOME RECEPTION**

Sponsored by **FORT DODGE ANIMAL HEALTH**  
and **WYETH ANIMAL HEALTH**

Location: Frontenac (Conference Centre, Street Level)

**8:30 - 11:00 PM**

## **STUDENT RECEPTION**

Sponsored by **INTERVET**

Location: Harbour Ballroom (Hotel Convention Level)

SCHEDULE

# MONDAY MARCH 7

## 7:00 AM

Registration Desk open (Hotel Convention Level)

Spouse Hospitality Suite: Regata (Hotel Lobby)  
Spouse Tour departs at 9:30 AM

## 8:00 AM

### HOWARD DUNNE MEMORIAL LECTURE

Location: Metro Centre (Conference Centre,  
Second Level)

“Lifelong learning: Applying science in practice”  
Speaker: Scott Dee

## 9:00 AM

### GENERAL SESSION (see page 36)

Location: Metro Centre (Conference Centre,  
Second Level)

### COMMERCIAL TECHNICAL TABLES

Open 9:00 AM to 5:00 PM

Location: Metro West (Conference Centre,  
Second Level)

## 12:00 NOON

### LUNCHEON

Sponsored by **BOEHRINGER INGELHEIM  
VETMEDICA, INC.**

Location: Frontenac (Conference Centre,  
Second Level)

## 1:00 PM

### CONCURRENT SESSIONS

#1 PRRS: Managing Population Immunity  
(see page 37) Location: Metro Centre  
(Conference Centre, Second Level)

#2 Research Topics (see page 38)  
Location: Metro East (Conference  
Centre, Second Level)

## 6:00 PM

### AASV AWARDS RECEPTION

Sponsored by **ELANCO ANIMAL HEALTH**

Location: Frontenac (Conference Centre,  
Second Level)

SCHEDULE

## TUESDAY MARCH 8

### 7:00 AM

Registration Desk open (Hotel Convention Level)

#### **BREAKFAST AND ANNUAL AASV BUSINESS MEETING**

Location: Frontenac (Conference Centre,  
Street Level)

#### **FRENCH MEMBER BREAKFAST**

Location: Queens Quay 1 (Conference Centre,  
Street Level)

#### **SPANISH MEMBER BREAKFAST**

Location: Queens Quay 2 (Conference Centre,  
Street Level)

### 9:00 AM

#### **CONCURRENT SESSIONS:**

- #1 Biosecurity (see page 40)  
Location: Pier 4 and 5 (Hotel  
Convention Level)
- #2 Making Decisions in Grow Finish  
(see page 41)  
Location: Metro East (Conference  
Centre, Second Level)
- #3 Understanding and Applying Immunology  
(see page 42)  
Location: Metro Centre (Conference  
Centre, Second Level)
- #4 Veterinarians and Production  
Management (see page 43)  
Location: Pier 2 and 3 (Hotel  
Convention Level)

### 1:00 PM

#### **MEETING CONCLUDES**

#### **Visit the Commercial Technical Tables**

OPEN:

**Monday, March 8      Tuesday, March 9**

**9:00 AM - 5:00 PM      8:00 AM - 1:00 PM**

Location: Metro West  
(Conference Centre, Second Level)

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*Thank  
you*

Thank you to ALL of the members, companies and organizations who support the AASV in so many ways throughout the year!

The contributions of time, money and resources are vital to the AASV's efforts to maintain the highest quality programming at a reasonable cost for our members.

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