

BUILDING
on our strengths



AASV

*39th Annual Meeting
Program*

March 8 – 11, 2008

**Sheraton San Diego Hotel & Marina
San Diego, California**

Welcome to San Diego and the 39th AASV Annual Meeting, "Building on our strengths"



Life is full of surprises. While planning is important, sometimes the surprises in life make all of the difference.

Planning for the annual meeting begins four years prior to the event. This year's site was slated to be Columbus, Ohio. That was not to be and using our group's strength of being flexible and adaptive, San Diego was identified and selected. WOW, what a surprise and with due respect to the home of The Ohio State University, WHAT a difference. As you plan to grow professionally and recharge from this meeting, look for and anticipate the surprises from the city, the program, and the interactions.

THE CITY

Be honest, while it may be on a list of places to go sometime, how many of you would have San Diego on your current travel plans if not for this AASV meeting? When will it ever happen again? Take advantage of this opportunity to see a beautiful city and experience the West Coast culture. Feedback from attendees to our previous meetings outside the Midwest has been overwhelmingly positive and I would expect the same from this very unique location. It is not Des Moines.

THE PROGRAM

The AASV Annual Meeting is the primary instrument used to accomplish the cornerstone goal and mission of our organization, "Increase the knowledge of swine veterinarians." The theme for the 2008 annual meeting, "AASV: Building on Our Strengths," challenges us as individuals and as a professional association to utilize our natural strengths as the basis for our future growth. Using this theme, the 2008 planning committee has developed a program that not only challenges but tries to answer the major questions facing swine veterinarians today.

Welcome to San Diego!

Dr. Tim Loula opens the Monday morning session with the Howard Dunne Memorial Lecture. His impact on disease knowledge, our organization and the swine business has been significant. Attend and hear how to “Use your strengths to stay in the game.”

The Alex Hogg Memorial Lecturer, Dr. Mike Terrill, is a perfect example of building on one’s strengths to take a career down a different path, as he became a leader in an integrated food company, PFFJ, and the food industry. Mike will encourage members to identify individual strengths and to explore their passions in roles that may not have yet been defined.

Dr. Dave Benfield discusses viral ecology and three practitioners share their perspective on the current “axis of viral evil” - SIV, PRRS, and PCVAD - to round out Monday morning’s sessions. Monday and Tuesday concurrent sessions target current knowledge in disease issues of respiratory disease, PRRS and PCVAD, enteric disease, and influenza plus timely discussions of controlling feed costs and housing and managing the modern sow in gestation.

I am excited about the pre-conference seminars. It never fails that they include cutting edge knowledge that will set you apart and make you more valuable to yourself, your clients and the industry.

WHEW, a big program but worth the trip out west!

INTERACTIONS

A trademark of our meetings is the abundance of sharing, networking, and interactions. We all know we get a different perspective from attending a session and hearing an expert discuss a topic versus just reading the paper. While knowledge is shared in the sessions, the real learning often occurs in the hallways between, the breakfast before and the social events after. If you are not here it does not happen.

Welcome to San Diego and whether from the city, the program or the interactions, plan on taking advantage of this opportunity and be ready to be surprised.

Dr. Kerry Keffaber
Program Chair



Planning committee

Dr. Kerry Keffaber, Chair

R.B. "Butch" Baker

David Benfield

George Charbonneau

Scott Dee

Perry Harms

Randy Jones

Jeff Kaisand

Mike Lemmon

Jim Lowe

Daryl Olsen

Brian Payne

Meghann Pierdon

Max Rodibaugh

Kurt Rossow

Alan Scheidt

Cameron Schmitt

Kent Schwartz

Neil Shantz

Bob Thompson

Mike Tokach

Liz Wagstrom

Paul Yeske

Registration

Registration desk located in Bayview Foyer

Saturday, March 8	7:00 AM – 5:00 PM
Sunday, March 9	7:00 AM – 5:30 PM
Monday, March 10	7:00 AM – 5:30 PM
Tuesday, March 11	7:00 AM – 12:00 PM

Fees

Pre-register online at www.aasv.org/annmtg

AASV member pre-registration	\$280
AASV member on-site registration	\$315
Nonmember veterinarians	\$400

Meeting Hotel

Sheraton San Diego Hotel and Marina
1380 Harbor Island Drive
San Diego, California 92101 USA
Tel: 619-291-2900
Fax: 619-692-2337

Continuing Education Credit

Up to sixteen (16) credit hours of veterinary continuing education are available from the regular meeting sessions (Sunday 12:00 PM through Tuesday 12:00 PM). Four (4) credit hours are available from each pre-conference seminar attended on Saturday afternoon and/or Sunday morning. The PQA Plus Advisor Training provides seven (7) hours of CE credit.

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



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MÉXICO



AASV Technical Tables

Location: Pavilion

Monday, March 10 9:00 AM – 5:00 PM
Tuesday, March 11 8:00 AM – 12:00 PM

Absolute Swine Insemination
Academy of Rural Veterinarians
Agro Soft, North America
Alpharma
American Veterinary Pharmaceuticals
APC
ARKO Laboratories
Automated Production
AVMA PLIT
Babcock Genetics
Best Veterinary Solutions/CID Lines USA
Biomim USA
Boehringer Ingelheim
Chore-Time Hog Production Systems
Chr. Hansen
Classic/PharVision Ultrasound
Danbred North America
DeWaay Capital Management
DuPont Animal Health Solutions
E.I. Medical Imaging
Elanco Animal Health
Feedstuffs
Fort Dodge Animal Health
Gallant Custom Laboratories
Genetiporc

GlobalVetLink
Hermitage NGT
Hypor USA
IDEXX Laboratories
IMV Technologies
Intervet
Merial
Minitube of America
MVP Laboratories
National Institute for Animal Agriculture
National Pork Board
Nedap Agri
Neogen Corporation
Newport Laboratories
Newsham Genetics
Novartis Animal Health US
Novus International
Pfizer Animal Health
Phibro Animal Health
PIC USA
Preserve International
Prima Tech
Pulse NeedleFree Systems
Ralco Nutrition
Schering-Plough Animal Health
Tetracore
Trouw Nutrition USA
USDA-APHIS-Veterinary Services
Waldo-Whiteshire
Zinpro Performance Minerals

Saturday, March 8, 2008

PRRS Risk Assessment Tool Training

Date: Saturday, March 8, 2008

Time: 7:30 AM – 1:00 PM

Location: Marina 5

Fee: No charge

Limit: 15 participants

Coordinator: Derald Holtkamp

What does PRRS Risk Assessment do? As with anything we try to manage, we must first be able to measure it. The PRRS Risk Assessment (PRA) for the Breeding Herd is an epidemiological tool developed specifically to measure the risk that a clinical episode of PRRS will occur. A companion database of completed assessments is maintained for benchmarking and analysis of risks.

Veterinarians have applied the PRRS Risk Assessment for the Breeding Herd in the following ways:

1. To evaluate current biosecurity protocols and/or to develop new biosecurity protocols to avoid risk
2. To demonstrate improvement in biosecurity over time to help justify expenditure of resources on measures to improve biosecurity
3. As an aid in the decision to initiate a project to eliminate PRRSv from a breeding herd site
 - a. Also to identify modifiable risk factors in an effort to increase the likelihood that an elimination project will be successful long-term

Veterinarians who have been previously trained on the spreadsheet version of the Risk Assessment Tool will need to attend a training session in order to use the web version. Those who have not previously used the PRRS Risk Assessment Tool are also encouraged to participate in order to take advantage of the opportunities afforded by use of the tool. The new version offers improved ease of use as well as enhanced reporting and analysis capabilities.

You will need to bring a laptop with MS Windows 2000 or XP or Vista that can access the internet via wireless connection. If you will not be able to bring a laptop that meets the specs you may share a laptop with another participant. Lunch will be provided.

Registration for this training is limited to AASV members in Canada and the US.

Saturday, March 8, 2008

PQA Plus Advisor Training

Date: Saturday, March 8, 2008

Time: 8:00 AM – 4:00 PM

Location: Harbor Island III

Fee: \$75.00; Box lunch provided

Limit: 30 participants

Co-sponsored by National Pork Board

As producers' PQA III status expires, PQA Plus certification, focusing on food safety and animal care, will take its place. To be qualified to certify producers and to ensure the information about food safety and animal care given to producers is uniform and consistent, all those eligible to be a PQA Plus Advisor must attend a training program and register as a PQA Plus Advisor. The animal care assessment process and the PQA Plus Advisor's roles and responsibilities associated with the care and well-being assessments and verification will be covered. Also emphasized will be the distinction between PQA Plus education certification and PQA Plus site status.

Registration for this training is limited to US members.

Seminar 1

Contemporary Clinical Disease and Pathology

Date: Saturday, March 8, 2008

Time: 1:00 – 5:00 PM

Location: Nautilus 4 & 5

Fee: \$90.00

Seminar Chair: Al Scheidt

Moderator: Jeff Kaisand

Seminar Description:

This seminar features four North American veterinary scientists who will present a variety of clinical cases and contemporary research results. Each speaker will present a smorgasbord of different cases and topics. The clinical cases include the disease, diagnostic tests, pathology, epidemiology, and control methods. If “bugs,” drugs, pathology and diagnosis are of interest, then this pre-conference seminar is for you!

- 1:00** Topics include: SIV, PRRS, PCV2 vaccines, post-weaning diarrhea, and multiple, concurrent respiratory infections
Kurt Rossow
- 1:55** Topics include: Swine reproductive diseases, neonatal diarrheas, lameness in finishing pigs, and mulberry heart disease
Darin Madson
- 2:45** BREAK
- 3:15** What’s your diagnosis? You’ll receive the history and clinical signs for eight cases, and have the opportunity to make the diagnosis and discuss epidemiology, treatment, and control for each case
Robert Desrosiers
- 4:10** Topics include: Emerging pathogens in large integrated production systems, PCV2 co-infections, PRRSV disease modeling, environmental exposure in *Salmonella* dissemination, and impact of water flow rates upon use of water soluble powder medication
Paul Dorr

5:00

Seminar concludes

Filtration

Date: Saturday, March 8, 2008

Time: 1:00 – 5:15 PM

Location: Nautilus 3

Fee: \$90.00

Seminar Chair: Darwin Reicks

Seminar Description:

This seminar will cover the basics of air flow with and without filtration, and current filtration research. It will also include presentations by veterinarians working with farms that have applied filtration to boar studs and sow farms to prevent aerosol disease transmission.

- | | |
|-------------|---|
| <i>1:00</i> | Fundamentals of air flow
Mike Brumm |
| <i>1:50</i> | Update on filtration research
Scott Dee |
| <i>2:40</i> | BREAK |
| <i>3:15</i> | Hepafiltration of a boar stud
Doug Groth |
| <i>3:45</i> | Filtration of sow farms
Jeff Feder |
| <i>4:15</i> | Filtration and air conditioning
Darwin Reicks |
| <i>4:45</i> | Panel discussion
Doug Groth, Jeff Feder, Darwin Reicks |
| <i>5:15</i> | Seminar concludes |

Seminar 3

Applications for Improving Evidence-Based Decisions: Projects, Processes, Quality Improvement

Date: Saturday, March 8, 2008

Time: 1:00 – 5:00 PM

Location: Nautilus 2

Fee: \$90.00

Seminar Chairs: Kent Schwartz & David Baum

Seminar Description:

This seminar will demonstrate tools for improving data management, improving quality of information, effectively implementing process/project improvement with the goal to continuously improve business and veterinary medical decisions using better evidence.

Web tools are being developed to better capture and analyze the relationship between disease syndromes, lesions, disease agents, diagnosis, interventions, and outcomes. Data from on-farm surveillance, diagnostic submissions, performance monitors, and intervention strategies are collected in a data warehouse. Web-based business intelligence analytical tools are used to gain insight into problem definition, intervention, and outcome and include mechanisms for continuous improvement.

This seminar will use cases (projects) and demonstrate a systematic process to illustrate these concepts. The program will be integrated into case-based discussion that flows through the entire seminar.

- | | |
|-------------|--|
| <i>1:00</i> | Evidence-based decisions in population medicine
Kent Schwartz |
| <i>1:10</i> | Case examples using web tools, database, analysis
Dave Baum |
| <i>2:00</i> | Hierarchy of evidence
Locke Karriker |
| <i>2:15</i> | Web resources
Alex Ramirez |

Seminar 3

- 2:45 BREAK
- 3:15 Cool tools: Staying connected with useful gadgets; telemedicine!
Jason Kelly
- 3:45 Applying science to practice
Christa Irwin & Dave Baum
- 4:15 Managing processes and projects effectively
All speakers
- 5:00 Seminar concludes



Reception

Saturday Evening Reception

Sponsored by:

SCHERING-PLOUGH ANIMAL HEALTH

Saturday, March 8th

6:30 PM

Location: Pavilion

Seminar 4

Pigs, Politics, Public Health and Pet Food

Date: Saturday, March 8, 2008

Time: 1:00 – 5:00 PM

Location: Nautilus 1

Fee: \$90.00

Seminar Chair: Liz Wagstrom

Seminar Description:

This seminar will provide an overview of several current topics of interest to the pork industry. Impacts to the pork industry and international trade from legislation, activism, emerging pathogens and/or feed contaminants will be discussed. Participants will gain an understanding of the range of topics that have the potential to influence the way we do business and how our industry is perceived by the public and our trading partners.

- 1:00** Investigating melamine in pet food and pigs
Steve Ensley
- 1:35** Melamine: Lessons learned for protecting
animal feeds
Dan McChesney
- 2:10** International trade update: Melamine, MRLs,
and beyond
Kevin Smith
- 2:45** BREAK
- 3:15** Pigs on parade in Washington, DC
Jen Greiner
- 3:45** What are the activists up to?
Liz Wagstrom
- 4:15** Methicillin resistant *Staph aureus*: People, pigs,
and pets
Peter Davies
- 5:00** Seminar concludes



Prayer^{☕☕☕}
Breakfast

Sunday, March 9

Time: 7:00 – 8:00 AM

Location: Harbor Island III

Coordinator: Dave Smidt

Co-Sponsored by:

NEWSHAM CHOICE GENETICS

It's Sunday, and even though you're away from your home congregation, the AASV prayer breakfast will get your week off to a great start by nourishing your soul as well as your body.

Bring your family and gather with other AASV meeting attendees for fellowship and a devotion led by Dr Tom Wetzell.

Your free will offering, along with support from **Newsham Choice Genetics**, will defray the cost of the breakfast. The

devotion will conclude by 8:00 AM to allow you to attend the pre-conference seminars, but feel free to stay and visit if you wish.

All AASV meeting attendees and their family members are welcome!

Classical Swine Fever



Date: Sunday, March 9, 2008

Showtimes: 9:45 AM, 12:00 PM, 2:45 PM

Location: Marina 2

If you missed its debut, now is the time for you to don the goofy glasses and experience for yourself “Classical Swine Fever, the Differential We Can’t Afford to Forget.” The 25 minute video will be available for viewing during refreshment breaks and over the noon hour on Sunday, March 9.

The AASV received a grant from USDA as part of a cooperative agreement with Iowa State University and the National Pork Board to develop and distribute educational materials to veterinarians and veterinary students informing them about Classical Swine Fever (CSF) and USDA’s on-going surveillance program. Part of that effort involved the production of an educational video. The video was produced in 3-D and immerses the viewer in a real-life scenario involving the introduction of CSF into a typical swine herd and the subsequent implications.

The CSF video premiered at the 2007 AASV Annual Meeting in Orlando and has been traveling the country since. To date, it has been viewed by over 600 veterinarians, veterinary students and producers.

Reproduction

Date: Sunday, March 4, 2007

Time: 8:00 AM – 12:00 PM

Location: Grande A

Fee: \$90.00

Seminar Chair: Mike Lemmon

Seminar Description:

This seminar promises to challenge our thinking immediately as it introduces us to a practical opportunity in porcine cloning, then jumps to strategies to improve sow reproductive performance. Updates on new lactation feeding systems and nutritional details of feeding our more productive sow herds will be presented. And finally, we'll get some advice on selecting gilt replacements that will last through a presidential cycle instead of an ovulation cycle or two. Join us and challenge our roster of talented speakers with questions!

- 8:00** Practical cloning opportunities for swine:
They may be closer than you think
Mark Walton
- 8:35** Diagnostic approach to the open female
Johannes Kauffold
- 9:10** Hormonal control and manipulation of estrus
and ovulation
Roy Kirkwood
- 9:45** BREAK
- 10:15** Lactation feeders and systems for maximizing
sow feed intakes
Betsy Newton
- 10:50** Nutritional considerations for the high producing
sow to maximize born alive and weaning weights
Dan Bussieres
- 11:25** Sow longevity: Genetic and phenotypic selection
considerations
Ken Stalder
- 12:00** Seminar concludes

Seminar 6

Foreign Animal Disease: What you always wanted to know about animal disease disasters but were afraid to ask

Date: Sunday, March 9, 2008

Time: 8:00 AM – 12:00 PM

Location: Seabreeze

Fee: No charge

Seminar Chair: Patrick Webb

Seminar Description:

Have you been involved in your state's emergency vet response team trainings? Have you spent time in meetings learning about emergency response to animal disease disasters? Still don't understand the incident command system? Do you wonder how it all fits together if "it" hits the fan? Do you want to have fun learning in a highly interactive seminar? Then this year's AASV FAD seminar is just the ticket for you!

Imagine a little town in rural America called Hopeless, a small community surrounded by serene pastures and supported by a vibrant agricultural economy. Imagine your producers happily going along with their business when disaster strikes with a confirmed positive case of foot and mouth disease. Imagine what happens to your community when agriculture comes to a screeching halt. Imagine what your role would be in trying to save your community.

Well, this year, you won't have to imagine because the little town of Hopeless will be right in front of you, and the fate of this community will be squarely in your hands! You will be a part of the effort to put all of the pieces together: diagnosing the first case, mobilizing the local response, controlling and eradicating the disease, and getting back to "business as usual." And yes, you may just have some fun doing it. If you miss this seminar, you will miss a one-of-a-kind tabletop experience that allows you to be a key player in a hands-on interactive environment.

Faculty: Bruce Spence and Patrick Webb

How to Manage Sick Pigs

Date: Sunday, March 9, 2008

Time: 8:00 AM – 12:15 PM

Location: Grande B

Fee: \$90.00

Seminar Chair: Paul Yeske

Seminar Description:

While the goal is to have healthy pigs, we realize that not all groups of pigs are healthy. No one wants to talk about problem groups of pigs, but it is something we as practitioners all have to deal with. This session is designed to answer questions on dealing with these problem groups and flows of pigs. The speakers will outline and make sure you're meeting the special needs for these groups without adding additional stress to an already problem situation. Speakers will summarize what these needs are and several practitioners will share what they do on their farms and production systems. This will be a real hands-on type of discussion on how we can improve pigs we know are challenged so they can be more productive.

- 8:00** Why are we having to deal with these problems?
Paul Yeske
- 8:20** What do we really need for facilities to avoid adding stress to already stressed pigs (stocking density, feeder space, number of waterers, etc)?
Mike Brumm
- 8:50** What can we do nutritionally to help these pigs start better (does it pay to spend more money)?
Joel Spencer
- 9:30** How do you know if the pigs are comfortable in their environment (and what do you do if it isn't right)?
Mike Eisenmenger
- 10:00** BREAK

Continued next page

Seminar 7

- 10:30* What we are doing in our system to handle challenged pigs or flows
- 10:30 Eric Christianson & Jana Grauerholz
- 10:50 Marlin Hoogland
- 11:10 Deborah Murray
- 11:30 Charles Surprenant
- 11:50* Panel discussion
Eric Christianson, Jana Grauerholz,
Marlin Hoogland, Deborah Murray,
Charles Surprenant
- 12:15* Seminar concludes

Practice Tips

Date: Sunday, March 9, 2008

Time: 8:00 AM – 12:00 PM

Location: Grande C

Fee: \$75.00

Seminar Chair: Max Rodibaugh

Seminar Description:

Where else can you get 3 ½ hours of “take home” advice from twenty wise and esteemed colleagues? This practice tips session will provide rapid fire information that you can obtain only by attending, as these busy swine vets were not asked to write papers or even supply titles. Who knows what you might learn? The seminar will be fun, interesting, and educational. And it will be peer-reviewed by you! You will have the opportunity to vote for the “People’s Choice” practice tips by rating each presentation.

Participating Practitioners:

8:00 Mary Battrell
Tara Donovan
Steve Dudley
Tom Gillespie
Jeff Harker
Michelle Jens
Randy Jones
Jeff Kaisand
Ross Kiehne
Jim Kober

9:45 BREAK

10:15 Jim Lowe
Bill Minton
Marty Misener
Larry Rueff
Paul Ruen
Mike Sheridan
Dave Smidt
Lisa Tokach
Rick Tubbs
Tom Wetzell

Seminar 9

Swine Production and Medicine for Veterinary Students

Date: Sunday, March 9, 2008

Time: 8:00 AM – 12:00 PM

Location: Harbor Island II

Fees: \$90.00 - No charge for veterinary students or 2006 or 2007 DVM graduates

Seminar Chairs: Brian Payne and Larry Firkins

Seminar 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. Swine veterinarians will be presenting practical information and providing useful resources to veterinary students in the areas of both swine production and swine medicine. The objective of this session is to allow all students to become familiar with many basic aspects of swine practice by introducing the day-to-day decision making that will be required of them upon graduation.

- 8:00** Send in the clowns
Larry Firkins
- 8:30** Individual pig care
Shelley Stanford
- 8:55** This little piggy went to market
Brian Payne
- 9:20** *Suis-cides* and more
Kevin Vilaca
- 9:45** BREAK
- 10:15** You're the boss, continued
Sarah Probst-Miller
- 10:45** Managing sow herd disease
Cameron Schmitt
- 11:05** Creating a vaccination protocol
Jason Kelly
- 11:30** Roundtable Q & A
All speakers
- 12:00** Seminar concludes

Sunday Concurrent Session #1

Student Seminar

Date: Sunday, March 9, 2008

Time: 1:00 – 5:15 PM

Location: Grande A

Session co-chairs: Alex Ramirez and Peter Davies

Sponsored by Alpharma Inc.

- 1:00** Maternally derived antibody transfer to piglets following SIV vaccination
Matt Allerson, University of Minnesota
- 1:15** A case study of pneumatosis intestinalis in swine
Andrea Lazier, University of Guelph
- 1:30** An application of evidence based medicine: The impact of *Mycoplasma hyopneumoniae* vaccines on average daily gain in swine
Tyson Dinslage, Iowa State University
- 1:45** Water flow variation and water medication with tetracycline in swine finishing facilities
Megan Nemechek, North Carolina State University
- 2:00** Impact of Ingelvac CircoFLEX® on PCV2 and porcine circovirus associated disease in a wean-to-finish production system
Jennifer Arnold, Iowa State University
- 2:15** Failure of TGE serology in a previously TGEV positive flow
Maryn Ptaschinski, University of Wisconsin
- 2:30** Molecular characterization of *Streptococcus suis* isolates recovered from US swine herds – unraveling the human link
Maria Clavijo, Universidad Central de Venezuela
- 2:45** BREAK
- 3:15** Effect of farrowing induction on passive immunity, fecal *Clostridium perfringens*, and liver glycogen levels in piglets
Gwenda Olson, University of Saskatchewan

Continued next page

Student Seminar

- 3:30 Effect of blood sample handling post-collection on *M. hyopneumoniae* antibody titers
Kathryn Bonistalli, Massey University
- 3:45 A pilot study of the prevalence of methicillin resistant *Staphylococcus aureus* in swine populations of Brazil and the United States
Seth Baker, University of Minnesota
- 4:00 Comparison of *Mycoplasma hyopneumoniae* serology tests
Gavin Yager, Iowa State University
- 4:15 Accuracy and precision of Pulse-Micro-dose injection device using Draxxin™, Excede®, and Excenel® and sterile water
Carissa Schloesser, University of Minnesota
- 4:30 *Streptococcus suis* infection in the US: serovars, genotypes, and zoonotic potential
Lucas Santos, Universidade Federal de Viçosa, Brazil
- 4:45 Aerosol transmission of PRRSV: application to the field
Andrea Pitkin, University of Minnesota
- 5:00 Investigation of mortality causes in multi-source swine nurseries
Jess Waddell, Iowa State University
- 5:15 Session concludes



Reception

Student Reception

Sponsored by:

INTERVET

Sunday, March 9th

8:30 – 11:00 PM

Location: Grande A

Sunday Concurrent Session #2

Research Topics

Date: Sunday, March 9, 2008

Time: 1:00 – 5:00 PM

Location: Harbor Island III

Session chair: Kurt Rossow

- 1:00** Effectiveness of the Take Care – Use Antibiotics Responsibly program to influence antibiotic use behaviors and attitudes among pork producers
David Bane
- 1:15** Farm-level risk factors for antimicrobial resistance of *Salmonella* spp. on Ontario swine farms: A multinomial logistic regression approach
Abdolvahab Farzan
- 1:30** Investigation of tetracycline and beta-lactam resistance genes in swine bacterial pathogens
Simone Oliveira
- 1:45** Serologic cross-reactions between reference strains and field isolates representing different genetic clusters of H1N1 and H3N2 swine influenza virus
Marie Gramer
- 2:00** The effect of cross-fostering on the transfer of *Mycoplasma hyopneumoniae* maternal immunity from the sow to the offspring
Maria Pieters
- 2:15** PRRSV vertical transmission dynamics in an endemically infected sow herd
J.P. Cano
- 2:30** Effectiveness of a PRRS modified live virus vaccine prepared in a novel porcine alveolar macrophage cell line
Federico Zuckermann
- 2:45** BREAK

Continued next page

Research Topics

- 3:15 High fever swine disease impacts in Asia
Steve McOrist
- 3:30 Effect of PCV2 vaccination on PRRSV and
PCV2 coinfection
Tanja Opriessnig
- 3:45 Experimental characterization of PCV2a and
PCV2b isolates in a conventional pig model and
evaluation of cross-protection between strains
Tanja Opriessnig
- 4:00 Effect of PCV2 vaccination upon challenge with
PCV2 isolates of different genotypes
Maria Fort
- 4:15 A body score system as a tool to evaluate
PCVD disease dynamics in an acutely affected
farm
Montserrat Torremorell
- 4:30 Shedding of porcine circovirus type 2 by boars
and the role of PCV2 in semen transmission
Darin Madson
- 4:45 Differentiating PCV1 and PCV2 infections in
swine
Michael Murtaugh
- 5:00 Session concludes

Sunday Concurrent Session #3

Industrial Partners

Date: Sunday, March 9, 2008

Time: 1:00 – 5:30 PM

Location: Grande B

Session chairs: Brad Thacker and Dan Rosener

- 1:00** National farm prevalence of porcine circovirus associated disease (PCVAD) and management factors associated with the presence of PCVAD from the NAHMS Swine 2006 study
Presenter: Charles Haley
Sponsor: USDA APHIS Veterinary Services
- 1:15** Differences in serologic responses to North American and European subtypes of PCV2 virus isolates
Presenter: Douglas Stine
Sponsor: Newport Laboratories
- 1:30** Genetic background influences pig growth rate responses to porcine circovirus type 2 (PCV2) vaccines
Presenter: Megan Potter
Sponsor: PIC North America
- 1:45** Circumvent™ PCV: Performance evaluation and serological studies update
Presenter: Brad Thacker
Sponsor: Intervet
- 2:00** Is PCV2 negative status enough?
Presenter: Rexanne Struve
Sponsor: Struve Labs
- 2:15** Biologic and economic benefits of controlling subclinical PCVAD with vaccination
Presenter: Douglas King
Sponsor: Boehringer Ingelheim Vetmedica, Inc.
- 2:30** Efficacy comparison of Suvaxyn® PCV2 One Dose and the other commercial PCV one-dose vaccine in conventional pigs
Presenter: Stephen Wu
Sponsor: Fort Dodge Animal Health

Continued next page

Industrial Partners #3

- 2:45 BREAK
- 3:15 PCVD pathogenesis; consequences in vaccination against PCV2
Presenter: Catherine Charreyre
Sponsor: Merial
- 3:30 The effects of dietary ractopamine on the performance and carcass characteristics of late finishing pigs with a previous history of disease stress (PCVAD)
Presenter: Gary Allee
Sponsor: Elanco Animal Health
- 3:45 If sows were cows
Presenter: Terry Ward
Sponsor: Zinpro Corporation
- 4:00 What you cannot see in DDGS: A survey on the occurrence of mycotoxins in DDGS
Presenter: Ursula Hofstetter
Sponsor: Biomin
- 4:15 Efficacy of *Bacillus* organisms to reduce residual bacterial counts in a commercial nursery facility
Presenter: Charles Starkey
Sponsor: DSM Nutrition Products
- 4:30 Management strategies to maximize wean weights
Presenter: Juan Carlos Pinilla
Sponsor: PIC North America
- 4:45 Oregano essential oil improves sow and pig performance
Presenter: Rafael Cabrera
Sponsor: Ralco Nutrition
- 5:00 Antagonistic activity of bacteriocins produced by *Bacillus subtilis* against *Clostridium difficile*
Presenter: Dan Rosener
Sponsor: AgTech Products

Industrial Partners #3

5:15 Needle-free injection technology in swine:
A review of the immunology and vaccine trials in swine
Presenter: Chris Chase
Sponsor: Merial

5:30 Session concludes



Reception

Welcome Reception

Sponsored by:

**FORT DODGE ANIMAL HEALTH &
WYETH ANIMAL HEALTH**

Sunday, March 9th

6:30 – 8:30 PM

Location: Pavilion

Sunday Concurrent Session #4

Industrial Partners

Date: Sunday, March 9, 2008

Time: 1:00 – 5:30 PM

Location: Grande C

Session chairs: Shelley Stanford and
Robyn Fleck

- 1:00** Efficacy of Draxxin® (tulathromycin injectable solution) for the treatment of swine respiratory disease associated with experimentally-induced *Mycoplasma hyopneumoniae* in pigs
Presenter: Shelley Stanford
Sponsor: Pfizer Animal Health
- 1:15** A molecular approach to the characterization and evaluation of *Clostridium perfringens* type A field strains
Presenter: Boh Chang Lin
Sponsor: MVP Laboratories
- 1:30** Profitable antibiotic free pork production
Presenter: Darwin Kohler
Sponsor: Babcock Genetics
- 1:45** Comparison of the effects of Alphamune™ vs. Bio-Mos™ in nursery pig diets on performance, health and response to vaccination
Presenter: Teddi Wolff
Sponsor: Alpharma Animal Health
- 2:00** Evaluation of Pulmotil® use in lactation and nursery diets in a herd with swine respiratory disease
Presenter: Karen Lehe
Sponsor: Elanco Animal Health
- 2:15** Using a controlled exposure to *Lawsonia intracellularis* with Mecadox to stimulate immune response in pigs
Presenter: Nathan Winkelman
Sponsor: Phibro Animal Health

Industrial Partners #4

- 2:30 Improving gilt utilization on commercial swine farms
Presenter: Jeremy Pittman
Sponsor: Intervet
- 2:45 BREAK
- 3:15 Reduction of PRRS singleton reactors in an improved ELISA diagnostic assay
Presenter: Anna Rice
Sponsor: IDEXX Laboratories
- 3:30 Development of a quantification method to specific anti-ORF2 antibody using a blocking ELISA
Presenter: Stephane Guillosoy
Sponsor: Synbiotics Corporation
- 3:45 *In vitro* antimicrobial activity of tiamulin and chlortetracycline against field swine pathogens
Presenter: James Mills
Sponsor: Novartis Animal Health US
- 4:00 Pig vaccination as an essential part of a comprehensive PRRS control program
Presenter: John Waddell
Sponsor: Boehringer Ingelheim Vetmedica, Inc.
- 4:15 Updating swine influenza vaccines
Presenter: Vicki Rapp-Gabrielson
Sponsor: Pfizer Animal Health
- 4:30 Modeling gilt development strategies
Presenter: John Sonderman
Sponsor: Danbred North America
- 4:45 Serological cross reactions between H3N2 swine influenza viruses isolated in 2006-2007 and antisera to vaccine strains
Presenter: Robyn Fleck
Sponsor: Schering-Plough Animal Health

Continued next page

Industrial Partners

5:00

Comparison of Aureomycin® chlortetracycline granulated premix to Lincomix® in decreasing the potentiation of PRRSV pneumonia by *Mycoplasma hyopneumoniae* in an experimental model

Presenter: Eileen Thacker

Sponsor: Alpharma Animal Health

5:15

Simultaneous infection of pigs and people with SIV at a county fair

Presenter: Sabrina Swenson

Sponsor: USDA National Veterinary Services Laboratories

5:30

Session concludes

Sunday, March 9, 2008

Veterinary Student Poster Session

Date: Sunday, March 9, 2008
12:00 PM – 5:00 PM • Grand Foyer

Date: Monday, March 10, 2008
9:00 AM – 5:00 PM • Pavilion

Session chair: Glen Cassar

Sponsored by Alpharma Inc.

- 1 Identification of perinatal factors affecting pre-weaning mortality and average daily gain
Keri Shaver, North Carolina State University
- 2 Genetic characterization of porcine circovirus type 2 (PCV2) from infected pigs
Sarah Schlink, University of Missouri
- 3 Evaluation of swine influenza virus serum antibody levels following vaccination of sows with FluSure and Biomune autogenous vaccines
Nathan Schaefer, University of Minnesota
- 4 A case study of influenza
Katie Ptak, University of Minnesota
- 5 Diagnosis of *Mycoplasma hyosynoviae* by culture and PCR
Jessica Platts, Iowa State University
- 6 Effects of controlled time of ovulation on apparent duration of gestation and day of farrowing
Christine Pelland, University of Guelph
- 7 Applying the Six Sigma DMAIC methodology to capture pig performance improvements
Aaron Lower, University of Illinois
- 8 Implementation and validation of swine oral fluid collection into a commercial system
Pat Hoffman, Iowa State University
- 9 *Actinobacillus suis*: Does data support what we know?
Christy Hanthorn, Iowa State University

Continued next page

Student Poster Session

- 10 Contributing factors and their effects on growth rate and mortality in a herd clinically affected by porcine circovirus associated disease (PCVAD)
John Greving, Iowa State University
- 11 A cross-sectional study of PRRSV positive swine breeding herd sites to develop a case definition-based number and severity of clinical PRRS episodes
Melissa Grant, Iowa State University
- 12 Effects of porcine circovirus type 2 (PCV2) vaccination on mortality and average daily gain
Lori Feldmann, Iowa State University
- 13 Mitigation of sow aggression during group formation for pen gestation
Carrie Ellis, University of Pennsylvania
- 14 Effectiveness of using a non-penetrating captive bolt for on-farm euthanasia of low viability piglets
Robyn Elgie, University of Guelph
- 15 Scan sampling techniques for behavioral validation in nursery pigs
Josh Bowden, Iowa State University
- 16 Cryopreservation of *Salmonella* for quantitative assessment of shedding in market pigs
Stacey Adams, University of Wisconsin

Sunday, March 9, 2008

Industrial Partners Poster Session

Date: Sunday, March 9, 2008
12:00 PM – 5:00 PM • Grande Foyer

Date: Monday, March 10, 2008
9:00 AM – 5:00 PM • Pavilion

Session chair: Harry Snelson

- 1 Frequency and severity of claw lesions over time in the University of Arkansas sow herd
Presenter: Terry Ward
Sponsor: Zinpro Corporation
- 2 Pursuing American Board of Veterinary Practitioners (ABVP) certification in Swine Health Management
Presenter: James Kober
Sponsor: American Board of Veterinary Practitioners
- 3 *In vitro* evaluation of seven commercial disinfectants against *Lawsonia intracellularis*
Presenter: Suphot Wattanaphansak
Sponsor: Preserve International
- 4 Carbadox (Mecadox[®]) MIC values against *Salmonella spp.* isolated from swine
Presenter: Dana Beckler
Sponsor: Phibro Animal Health
- 5 Field safety evaluation of FluSure[®]/FarrowSure[®] GOLD B in pregnant sows and gilts and in pre-breeding gilts
Presenter: Marcia Keith
Sponsor: Pfizer Animal Health
- 6 Needle-free injection technology in swine: Operational comparison of a needle-free device to conventional needle delivery of vaccine
Presenter: Scanlon Daniels
Sponsor: Merial
- 7 Impact of a Matrix[®]/PG600[™] estrus synchronization program on sow longevity
Presenter: Brad Thacker
Sponsor: Intervet

Continued next page

Industrial Partners Poster Session

- 8 Evaluation of injection sites by gross and histopathological examination after administration of adjuvant used in Suvaxyn® PCV2 One Dose in pigs
Presenter: Stephen Wu
Sponsor: Fort Dodge Animal Health
- 9 Effects of previous handling and feed withdrawal prior to loading on transport losses in market weight pigs
Presenter: Garrett Stewart
Sponsor: Elanco Animal Health
- 10 Comparative safety of PCV2 vaccines under field conditions
Presenter: John Kolb
Sponsor: Boehringer Ingelheim Vetmedica, Inc.
- 11 Effect of Albac® (bacitracin zinc) or Stafac® (virginiamycin) fed continually or in step-down programs on performance and economics of grow-finish barrows and gilts
Presenter: Teddi Wolff
Sponsor: Alpharma Animal Health
- 12 Antagonistic activity of bacteriocins produced by *Bacillus subtilis* against *Clostridium perfringens* type A
Presenter: Dan Rosener
Sponsor: AgTech Products

Spouse Hospitality Suite



Monday, March 10

Time: 7:00 – 10:00 AM

Location: Marina 5

All AASV spouses are invited to this informal gathering. Visit old friends and make new acquaintances as you enjoy pastries, juice, and coffee.

Spouse Tour

Monday, March 10

Time: 9:30 AM – 3:30 PM

Meet in Grande Foyer
at 9:15 AM for departure

Fee: \$100

HARBOR CRUISE AND SAN DIEGO CITY TOUR

Welcome to San Diego, the “birthplace” of California and its second largest city! Sit back and enjoy colorful anecdotes, humorous stories and well researched historical facts as you view and visit a variety of San Diego’s most interesting sights with AASV’s “First Lady” Nancy Olsen.

Your guided tour will begin with narrated transportation to the Harbor Cruise dock for a one-hour cruise of the bay, providing a unique perspective of the city and its maritime attractions.

Once back on land, your narrated tour of the city will continue with drive-by sightseeing of San Diego’s Balboa Park, the historic Gaslamp Quarter, and Old Town as you make your way through the city to Casa Guadalajara, where you’ll enjoy a delightful luncheon of traditional Mexican fare.

After lunch, you’ll have free time to explore and shop in Old Town State Park – “Where San Diego Began” – celebrating San Diego’s Spanish and Mexican heritage. Old Town San Diego is brimming with historical sites, and home to some of San Diego’s best shops and cantinas.

Transportation, tour guide, lunch, and gratuities are all included in the tour registration fee. Advance registration is required and space is limited, so register early!

Foundation Auction

Monday, March 10

Everybody Bid-A-Now!



It's the biggest! It's the best! The AASV Foundation Auction Committee has worked hard to make sure there is something for everyone in this year's fundraising auction, with a Big Hairy Audacious Goal of raising \$50,000 for the AASV Foundation. There are too many incredible items to list here, so we've placed them on our website at www.aasv.org/foundation, and created a separate booklet to feature the items and their donors. Check out the listing and prepare to bid!

Silent Auction

You'll have the opportunity to bid on a variety of items throughout the day on Monday, March 10 – but don't delay, the bidding will close during the AASV Awards Reception Monday evening, and we'll announce the names of the winning bidders at that time. Since all of the items are donated, you can bid confidently, knowing that the full amount of your bid will go directly to support AASV Foundation programs.

Live Auction

We're saving a few select items for the Live Auction, to be held at the conclusion of the AASV Awards Reception Monday evening. Don't miss the excitement! Your winning bid will not only net that prized possession for you to take home, it will also support your profession by providing funding for swine research as well as annual meeting travel stipends and swine externship grants for veterinary students - a few of the Foundation's ongoing projects.

Monday General Session

Building on our Strengths

Date: Monday, March 10, 2008

Time: 8:00 AM – 12:30 PM

Location: Grande Ballroom

Program chair: Kerry Keffaber

- 8:00** **HOWARD DUNNE MEMORIAL LECTURE**
Use your strengths to stay in the game
Tim Loula
- 9:00** **ALEX HOGG MEMORIAL LECTURE**
The pork value chain: A view from inside a
branded food company
Mike Terrill
- 10:00** **BREAK**
- 10:30** The impact of viral ecology and evolution on
the science of managing viral diseases of swine
Dave Benfield

Practitioner experiences with the current trio of
swine viral challenges:

- 11:00** SIV
Mark Wagner
- 11:30** PRRS
Matthew Turner
- 12:00** PCVAD
Francois Cardinal
- 12:30** Session concludes for AASV Luncheon



Luncheon

AASV Luncheon

Sponsored by:

**BOEHRINGER - INGELHEIM
VETMEDICA, INC.**

Monday, March 10th

12:30 - 2:00 PM

Location: Pavilion

Monday Concurrent Session #1

Respiratory Disease

Date: Monday, March 10, 2008

Time: 2:00 – 5:30 PM

Location: Grande A

Session chair: Jim Lowe

What changed with PCV vaccine?

Moderator: Jim Lowe

2:00 *Mycoplasma* vaccine: Implications of age and timing changes on mycoplasma control
Eileen Thacker

2:30 Life with PCV2 vaccine: Did we fix all of the problems?
Barry Kerkaert

3:00 *A. suis* and *H. parasuis*: Managing bacterial pneumonia in production systems
Eva Jablonski

3:30 BREAK

Impacting performance in the pig barn

Moderator: Cameron Schmitt

4:00 Trends in diagnostic cases: Keeping our eye on the ball
Darin Madson

4:30 Managing complex respiratory disease: Strategies for growing pigs
Paul Yeske

4:50 Managing complex respiratory disease: Implications of breeding herd management on growing pig respiratory health
Scanlon Daniels

5:10 More sources or more time: Making decisions on pig flow to optimize pig health
Jim Lowe

5:30 Session concludes

Monday Concurrent Session #2

Controlling Feed Costs

Date: Monday, March 10, 2008

Time: 2:00 – 5:30 PM

Location: Grande B

Session chairs: Mike Tokach and Reed Leiting

- 2:00* Feed ingredient availability and cost expectations
John Urbanchuk
- 2:30* Current and future coproducts of bioprocessing
Harold Tilstra
- 3:00* Impact of changing ingredient economics on
diets and pig performance
Mike Tokach
- 3:30* BREAK
- 4:00* Managing the risk of adopting the use of novel
feed ingredients in practical pig diets
John Patience
- 4:30* Controlling feed cost outside of ingredient cost
Noel Williams
- 5:00* Q & A session
All speakers
- 5:30* Session concludes

Monday Concurrent Session #3

PRRS and PCV2

Date: Monday, March 10, 2008

Time: 2:00 – 5:30 PM

Location: Grande C

Session chair: Meghann Pierdon

- 2:00* PCV2 diagnostic and clinical trends
Jerry Torrison
- 2:30* PCV2 studies: A smorgasbord of research
from the K-State PCV2 team
Steve Henry
- 3:00* Epidemiology of PCVAD and PCV2
Bob Rowland
- 3:30* BREAK
- 4:00* Prospects for PRRSV vaccine: Reality or pipe
dream?
Jim Lowe
- 4:30* USDA PRRS Coordinated Agricultural Project
(CAP): A veterinarian's viewpoint
Daryl Olsen
- 5:00* New information on PRRSV transmission
and biosecurity
Scott Dee
- 5:30* Session concludes



Awards Reception

AASV Awards Reception

Sponsored by:

ELANCO ANIMAL HEALTH

Monday, March 10th

6:30 – 8:30 PM

Location: Pavilion

Tuesday Concurrent Session #1

Enteric Disease

Date: Tuesday, March 11, 2008

Time: 8:00 AM – 12:00 PM

Location: Grande A

Session Chair: Perry Harms

- 8:00** Diagnostic workup of early enteric disease
Kurt Rossow
- 8:45** Predisposing factors for enteric disorders
Adam Moeser
- 9:15** Clostridial enteric disease: Old problem,
new challenges
Glenn Songer
- 10:00** BREAK
- 10:30** *Lawsonia intracellularis*: Diagnostic update
Connie Gebhart
- 11:00** Swine dysentery: Re-emerging disease in the US?
Gerald Duhamel
- 11:30** *Salmonella*: Potential pig and human disease
Peter Bahnson
- 12:00** Session concludes



Tuesday Breakfasts – 7:00 am

AASV Breakfast and Business Meeting

Location: Harbor III

French Member Breakfast

Location: Marina 2

Spanish Member Breakfast

Location: Marina 6

Tuesday Concurrent Session #2

Housing and Managing the Modern Sow in Gestation

Date: Tuesday, March 11, 2008

Time: 8:00 AM – 12:00 PM

Location: Grande B

Session Chair: Neil Shantz

- 8:00* Understanding sow behavior: implications for accommodations
Stan Curtis
- 8:45* The science of successful group housing in gestation
Ed Pajor
- 9:30* Experiences managing gestating sows in groups: Conversion of conventional facilities
Steve Henry
- 10:00* BREAK
- 10:30* Experiences managing gestating sows in groups
Malachy Young
- 11:00* Understanding sow longevity and mortality
Ken Stalder
- 11:30* Sow welfare: Euthanasia and individual animal care
Scanlon Daniels
- 12:00* Session concludes

Tuesday Concurrent Session #3

Influenza

Date: Tuesday, March 11, 2007

Time: 8:00 AM – 12:00 PM

Location: Grande C

Session Chair: R. B. “Butch” Baker

- 8:00* An update on swine influenza ecology and diagnostics
Marie Gramer
- 8:30* Experimental evaluation of novel SIV subtypes
Amy Vincent
- 9:00* Recent experiences with swine influenza in a large production system
Jim Lowe
- 9:30* Influenza isolate selection methodology for timely autogenous vaccine use
Tara Donovan
- 10:00* BREAK
- 10:30* Influenza management in a large sow farm: When commercial vaccine fails
Max Rodibaugh
- 11:00* When high path H5N1 enters the North American pig: The USDA Global Flu Plan
Jose Diez
- 11:30* Swine influenza epidemiology in systems: Current thoughts and evidence
Kurt Rossow
- 12:00* Session concludes



40TH
ANNUAL
MEETING

March 7-10
2009

Adam's Mark
Hotel

Dallas, Texas

Speakers

Stacey Adams	Madison, WI
Gary Allee	Columbia, MO
Matt Allerson	Roseville, MN
Jennifer Arnold	Stanhope, IA
Peter Bahnson	Madison, WI
Seth Baker	St. Paul, MN
David Bane	Sidney, IL
David Baum	West Des Moines, IA
Dana Beckler	Fergus Falls, MN
David Benfield	Wooster, OH
Kathryn Bonistalli	Palmerston North, NEW ZEALAND
Josh Bowden	Ames, IA
Mike Brumm	North Mankato, MN
Daniel Bussieres	St-Nicolas, QC
Rafael Cabrera	Marshall, MN
Jean Paul Cano	St. Paul, MN
Francois Cardinal	Ste-Monique, QC
Catherine Charreyre	Lyon, FRANCE
Chris Chase	Brookings, SD
Eric Christianson	Lake Mills, IA
Maria Clavijo	Maracay, Aragua, VENEZUELA
Stan Curtis	Urbana, IL
C. Scanlon Daniels	Dalhart, TX
Peter Davies	St. Paul, MN
Scott Dee	St. Paul, MN
Robert Desrosiers	St-Hyacinthe, QC
Jose Diez	Riverdale, MD
Tyson Dinslage	Ames, IA
Tara Donovan	Spring Green, WI
Paul Dorr	Fulton, MO
Gerald Duhamel	Ithaca, NY
Mike Eisenmenger	Windom, MN
Robyn Elgie	Guelph, ON
Carrie Ellis	Philadelphia, PA
Steve Ensley	Ames, IA
Abdolvahab Farzan	Guelph, ON
Jeff Feder	St. Peter, MN
Lori Feldmann	Ames, IA

Speakers (continued)

Larry Firkins	Mahomet, IL
Robyn Fleck	Norman, AR
Maria Fort	Barcelona, SPAIN
Connie Gebhart	Maple Grove, MN
Marie Gramer	St. Paul, MN
Melissa Grant	Ames, IA
Jana Grauerholz	Clear Lake, IA
Jennifer Greiner	Zionsville, IL
John Greving	Ames, IA
Doug Groth	Carthage, IL
Stephane Guillossou	Manhattan, KS
Charles Haley	Fort Collins, CO
Christy Hanthorn	Ames, IA
Steve Henry	Solomon, KS
Pat Hoffman	Ames, IA
Ursula Hofstetter	Herzogenburg, AUSTRIA
Marlin Hoogland	Orange City, IA
Christa Irwin	Boone, IA
Eva Jablonski	Webster City, IA
Locke Karriker	Ames, IA
Johannes Kauffold	Kennett Square, PA
Marcia Keith	Kalamazoo, MI
Jason Kelly	Algona, IA
Barry Kerkaert	Pipestone, MN
Douglas King	Iowa City, IA
Roy Kirkwood	East Lansing, MI
Jim Kober	Holland, MI
Darwin Kohler	Rochester, MN
John Kolb	Ames, IA
Andrea Lazier	Guelph, ON
Karen Lehe	Lafayette, IN
Boh Chang Lin	Omaha, NE
Tim Loula	St. Peter, MN
Jim Lowe	Albers, IL
Aaron Lower	Seymour, IL
Darin Madson	Ames, IA
Daniel McChesney	Rockville, MD
Steven McOrist	Sutton, Bonington, UNITED KINGDOM

Speakers (continued)

James Mills	Bucyrus, KS
Adam Moeser	Raleigh, NC
Deborah Murray	Jackson, MN
Michael Murtaugh	St. Paul, MN
Megan Nemechek	Raleigh, NC
Betsy Newton	Lewisburg, OH
Simone Oliveira	St. Paul, MN
Daryl Olsen	Audubon, IA
Gwenda Olson	Saskatoon, SK
Tanja Opriessnig	Ames, IA
Ed Pajor	West Lafayette, IN
John Patience	Saskatoon, SK
Brian Payne	DeKalb, IL
Christine Pelland	Guelph, ON
Maria Pieters	St. Paul, MN
Juan Carlos Pinilla	Hendersonville, TN
Andrea Pitkin	Falcon Heights, MN
Jeremy Pittman	Prince George, VA
Jessica Platts	Ames, IA
Megan Potter	Manhattan, KS
Sarah Probst Miller	Neoga, IL
Katie Ptak	Brooklyn
Maryn Ptaschinski	Sun Prairie, WI
Alex Ramirez	Ames, IA
Vicki Rapp-Gabrielson	Kalamazoo, MI
Darwin Reicks	St. Peter, MN
Anna Rice	Westbrook, ME
Max Rodibaugh	Frankfort, IN
Dan Rosener	Waukesha, WI
Kurt Rossow	St. Paul, MN
Bob Rowland	Manhattan, KS
Lucas Santos	Vicosa, MG, BRAZIL
Nathan Schaefer	St. Paul, MN
Sarah Schlink	Columbia, MO
Carissa Schloesser	St. Peter, MN
Cameron Schmitt	Pipestone, MN
Kent Schwartz	Ames, IA
Keri Shaver	Raleigh, NC
Kevin Smith	Denver, CO
John Sonderman	Columbus, NE

Speakers (continued)

Glenn Songer	Tucson, AZ
Bruce Spence	Sioux City, IA
Joel Spencer	Sheridan, IN
Ken Stalder	Ames, IA
Shelley Stanford	West Lafayette, IN
Charles Starkey	Pomfret Center, CT
Garrett Stewart	Manhattan, KS
Douglas Stine	Overland Park, KS
Rexanne Struve	Manning, IA
Charles Surprenant	St-Jean sur Richelieu
Sabrina Swenson	Ames, IA
Mike Terrill	Snowflake, AZ
Brad Thacker	Huxley, IA
Eileen Thacker	Ames, IA
Harold Tilstra	Luverne, MN
Mike Tokach	Abilene, KS
Montserrat Torremorell	Hendersonville, TN
Jerry Torrison	St. Paul, MN
Matthew Turner	Clinton, NC
John Urbanchuk	Wayne, PA
Kevin Vilaca	Listowel, ON
Amy Vincent	Ames, IA
Jess Waddell	Ames, IA
John Waddell	Sutton, NE
Mark Wagner	Ceylon, MN
Liz Wagstrom	Clive, IA
Mark Walton	Austin, TX
Terry Ward	Eden Prairie, MN
Suphot Wattanaphansak	St. Paul, MN
Patrick Webb	Clive, IA
Noel Williams	Hendersonville, TN
Nathan Winkelman	Rice, MN
Teddi Wolff	Kansas City, MO
Stephen Wu	Fort Dodge, IA
Gavin Yager	Ames, IA
Paul Yeske	St. Peter, MN
Malachy Young	Wainwright, AB
Federico Zuckermann	Urbana, IL

SATURDAY, MARCH 8**7:00 AM**

Registration Desk open
Location: Bayview Foyer

7:30 AM

PRRS Risk Assessment Tool Training (see page 10)
Location: Marina 5

8:00 AM

ABVP Entrance Examination
Location: Marina 4

PQA Plus Advisor Training (see page 11)
Location: Harbor Island III

Committee Meetings

1:00 PM**SEMINARS**

- #1 Contemporary Clinical Disease and Pathology
(see page 12)
Location: Nautilus 4 & 5
- #2 Filtration (see page 13)
Location: Nautilus 3
- #3 Applications for Improving Evidence-Based
Decisions: Projects, Processes, Quality
Improvement (see page 14)
Location: Nautilus 2
- #4 Pigs, Politics, Public Health and Pet Food
(see page 16)
Location: Nautilus 1

6:30 PM**RECEPTION**

Sponsored by **SCHERING-PLOUGH ANIMAL HEALTH**
Location: Pavilion

Schedule

SUNDAY, MARCH 9

6:30 AM

AASV Student Breakfast

Location: Harbor Island 1

7:00 AM

Prayer Breakfast (see page 17)

Sponsored by **NEWSHAM CHOICE GENETICS**

Location: Harbor Island III

Registration Desk open

Location: Bayview Foyer

8:00 AM

Canadian Swine Veterinarians

Location: Marina 6

SEMINARS

#5 **Reproduction (see page 19)**

Location: Grande A

#6 **Foreign Animal Disease: what you always wanted to know about animal disease disasters but were afraid to ask (see page 20)**

Location: Seabreeze

#7 **How to Manage Sick Pigs (see page 21)**

Location: Grande B

#8 **Practice Tips (see page 23)**

Location: Grande C

#9 **Swine Production and Medicine for Veterinary Students (see page 24)**

Location: Harbor Island II

9:45 AM • 12:00 PM • 2:45 PM

Classical Swine Fever 3-D Video (see page 18)

Location: Marina 2

SUNDAY, MARCH 9

12:00 PM

Student Poster Session (see page 35)

Sponsored by **ALPHARMA INC.**

Location: Grande Foyer

Industrial Partners Poster Session (see page 37)

Location: Grande Foyer

AASV FOUNDATION LUNCHEON

Location: Marina 5

1:00 PM

CONCURRENT SESSIONS

#1 **Student Seminar** (see page 25)
Sponsored by **ALPHARMA INC.**
Location: Grande A

#2 **Research Topics** (see page 27)
Location: Harbor Island III

#3 **Industrial Partners** (see page 29)
Location: Grande B

#4 **Industrial Partners** (see page 32)
Location: Grande C

6:30 – 8:30 PM

WELCOME RECEPTION

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

Location: Pavilion

8:30 – 11:00 PM

STUDENT RECEPTION

Sponsored by **INTERVET**

Location: Grande A

Schedule

MONDAY, MARCH 10

7:00 AM

Registration Desk open
Location: Bayview Foyer

Spouse Hospitality Suite (see page 39)
Location: Marina 5
Spouse Tour departs at 9:15 AM from Grande Foyer

8:00 AM - 12:30 PM

GENERAL SESSION (see page 41)
Location: Grande Ballroom

Howard Dunne Memorial Lecture: Dr. Tim Loula
"Use your strengths to stay in the game"

Alex Hogg Memorial Lecture: Dr. Mike Terrill
The pork value chain: A view from inside a branded food company"

9:00 AM – 5:00 PM

COMMERCIAL TECHNICAL TABLES
Location: Pavilion

Student Poster Session (see page 35)
Industrial Partners Poster Session (see page 37)
Location: Pavilion

12:30 PM

LUNCHEON
Sponsored by BOEHRINGER INGELHEIM
VETMEDICA Inc.
Location: Pavilion

2:00 PM

CONCURRENT SESSIONS

- #1 Respiratory Disease (see page 42)
Location: Grande A
- #2 Controlling Feed Costs (see page 43)
Location: Grande B
- #3 PRRS and PCVAD (see page 44)
Location: Grande C

6:30 PM - 8:30 PM

AASV AWARDS RECEPTION
Sponsored by ELANCO ANIMAL HEALTH
Location: Pavilion

AASV FOUNDATION AUCTION (see page 40)

Schedule

TUESDAY, MARCH 6

7:00 AM

Registration Desk open
Location: Bayview Foyer

BREAKFAST and AASV ANNUAL BUSINESS MEETING
Location: Harbor Island III

FRENCH MEMBER BREAKFAST
Location: Marina 2

SPANISH MEMBER BREAKFAST
Location: Marina 6

8:00 AM – 12:00 PM

COMMERCIAL TECHNICAL TABLES
Location: Pavilion

8:00 AM

CONCURRENT SESSIONS

#1 Enteric Disease (see page 45)
Location: Grande A

#2 Housing and Managing the Modern Sow in Gestation
(see page 46)
Location: Grande B

#3 Influenza (see page 47)
Location: Grande C

12:00 PM

MEETING CONCLUDES

1:00 PM

AASV BOARD OF DIRECTORS MEETING



Commercial Exhibit

Technical Tables Open

Monday, March 10
9:00 AM – 5:00 PM

Tuesday, March 11
8:00 AM – 12:00 PM

Location: Pavilion

*Thank
you*

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

We extend our sincere appreciation
to the following sponsors of AASV
annual meeting activities:

SCHERING-PLOUGH ANIMAL HEALTH
Saturday Reception

NEWSHAM CHOICE GENETICS
AASV Prayer Breakfast

ALPHARMA INC.
AASV Student Seminar and
Student Poster Session

FORT DODGE ANIMAL HEALTH
and **WYETH ANIMAL HEALTH**
Welcome Reception

INTERVET
Student Reception

BOEHRINGER INGELHEIM VETMEDICA
AASV Luncheon

ELANCO ANIMAL HEALTH
AASV Awards Reception

ALPHARMA INC
and **ELANCO ANIMAL HEALTH**
AASV Foundation Veterinary Student Scholarships

NEWPORT LABORATORIES
and the **AASV FOUNDATION**
Veterinary Student Travel Stipends