Plan now to attend the
AASV 47TH Annual Meeting
February 27 - March 1, 2016
Hyatt Regency New Orleans
NEW ORLEANS, LOUISIANA

Beyond Our Oath:
Integrity, Intensity, Professionalism

Thank you!

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

BOEHRINGER INGELHEIM VETMEDICA, INC
AASV Luncheon

CEVA ANIMAL HEALTH
Refreshment Break Sponsor

ELANCO ANIMAL HEALTH
AASV Awards Reception
AASV Foundation Veterinary Student Scholarships

GLOBALVETLINK
Internet Kiosk

HARRISVACCINES
Refreshment Break Sponsor

HOG SLAT
Refreshment Break Co-sponsor

MERIAL
Refreshment Break Sponsor

MERCK ANIMAL HEALTH
Student Reception

NEWPORT LABORATORIES
Veterinary Student Travel Stipends
Veterinary Student Poster Awards
Refreshment Break Sponsor

STUART PRODUCTS
Praise Breakfast

ZOETIS
Welcome Reception
AASV Student Seminar and Student Poster Session
AASV Foundation Veterinary Student Scholarships

2017 Denver Feb 25 - 28
2018 San Diego Mar 3 - 6
2019 AASV’s 50th Anniversary! Location to be announced

46th AASV Annual Meeting
February 28 - March 3, 2015
Orlando, Florida
In the media and society at large, there are groups that are confronting the role of the veterinarian as an authority on animal well being. They question our relevance! To respond, I challenge our association to improve our image as respected professionals on the health and welfare of the pig. It’s important that we become visible as THE LEADING source of scientific knowledge, sound economics and proven animal husbandry regarding the rearing and care of pigs. To this end we have chosen to build on last year’s theme and “go beyond our oath” to practice what we preach! We want to instill in each of us the drive to “raise the bar” on what we do every day.

I asked Dr. Greg Stevenson, a long-time friend and esteemed diagnostician, to deliver the Howard Dunne Memorial Lecture. I have great respect for his insight of the privileged position that veterinarians hold in society. He will be sharing his wisdom and experience with respect to ethics and character. We follow with the Alex Hogg Memorial Lecture, where Dr. Scanlon Daniels, a respected practitioner, will discuss the future role of veterinarians in leadership positions and how they can become agents of influence.

Welcome colleagues, we return again to the city of Orlando, for the 46th AASV Annual Meeting. This year is a good year to have our annual meeting in a warm climate. But if you think about it, every year is a good year to have our meeting is a warm climate! This is our third conference in the “Sunshine State” and I hope you have time to enjoy the warmth and take a wild ride on Space Mountain or other local attractions with family or friends before you head back recharged and refreshed for the challenges ahead.

In the media and society at large, there are groups that are confronting the role of the veterinarian as an authority on animal well being. They question our relevance! To respond, I challenge our association to improve our image as respected professionals on the health and welfare of the pig. It’s important that we become visible as THE LEADING source of scientific knowledge, sound economics and proven animal husbandry regarding the rearing and care of pigs. To this end we have chosen to build on last year’s theme and “go beyond our oath” to practice what we preach! We want to instill in each of us the drive to “raise the bar” on what we do every day.

I asked Dr. Greg Stevenson, a long-time friend and esteemed diagnostician, to deliver the Howard Dunne Memorial Lecture. I have great respect for his insight of the privileged position that veterinarians hold in society. He will be sharing his wisdom and experience with respect to ethics and character. We follow with the Alex Hogg Memorial Lecture, where Dr. Scanlon Daniels, a respected practitioner, will discuss the future role of veterinarians in leadership positions and how they can become agents of influence.
Please check out our preconference seminars. We have chosen some really good topics. PED is still the hottest issue and now, almost two years since it was introduced into North America, we are still in the steep part of the learning curve. PED topics thread themselves through the pre-conference sessions and continue Monday morning and into the afternoon breakout sessions. Tuesday morning we focus on what might be done by our profession to prevent or control the “next” foreign animal disease.

I want to thank the program committee for putting together a top notch educational program. I know the presenters donated countless hours to our association sharing their knowledge, and I thank them for their generosity. The AASV staff is outstanding in their expertise and support. Thanks to all involved in the effort; it has been a privilege and honor to work with you.

We have just witnessed a couple of incredible years in the swine industry. A period that will be referenced for years to come—volatility in commodity prices and production output, wild swings in swine profitability, and the emergence of an unknown, highly contagious foreign disease. It’s a profession not for the faint of heart! Talk about a roller coaster ride – who needs Space Mountain?!

Ron Brodersen
Program Chairman
Mobile App
Keep track of when and where you need to be with the new, free mobile app! It’s loaded with the most up-to-date schedule, speaker and exhibitor information, maps of the conference rooms, links to proceedings papers, and more! It will be available in February in iOS, Android, and HTML5 format for your phone, tablet, or laptop.

Proceedings
There will be NO printed proceedings, but ALL of the proceedings papers (including seminar papers) will be available for members to download in a variety of formats prior to and during the conference.

For more information on these new features, see www.aasv.org/annmtg.
Registration

Registration desk located in
Great Hall (Convention Level)

Saturday, Feb 28       7:00 AM – 5:00 PM
Sunday, March 1       7:00 AM – 5:00 PM
Monday, March 2       7:00 AM – 5:00 PM
Tuesday, March 3      7:00 AM – 12:00 PM

Fees

Register online at www.aasv.org/annmtg

<table>
<thead>
<tr>
<th>Category</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>AASV member pre-registration</td>
<td>$345</td>
</tr>
<tr>
<td>AASV member registration after February 6</td>
<td>$380</td>
</tr>
<tr>
<td>Non-member veterinarian registration</td>
<td>$475</td>
</tr>
<tr>
<td>Add’l Tech Table representatives (limit 3)</td>
<td>$475</td>
</tr>
</tbody>
</table>

Meeting Hotel

Buena Vista Palace Hotel & Spa
1900 E Buena Vista Drive
Lake Buena Vista (Orlando), Florida 32830
Reservations: 866-397-6516

www.aasv.org/annmtg/2015/lodging.htm

Session Locations

Unless otherwise noted, all conference sessions will be held on the Convention Level of the Buena Vista Palace Hotel & Spa. The Convention Level is accessible only from the outdoors and the Lobby Level. From your guest room, take the elevators to Level 3, then go down the escalator to the Convention Center.

Continuing Education Credit

Up to twenty (20) credit hours of veterinary continuing education are available for attendance during the regular meeting sessions on Sunday 8:00 AM through Tuesday 12:00 PM. Four (4) credit hours are available for the PRRS Risk Assessment Training and each of the pre-conference seminars on Saturday.
Officers

President
Dr. Michelle Sprague
AMVC Management Services
508 Market Street
Audubon, IA 50025
Tel: (712) 563-2080
msprague@amvcms.com

President-Elect
Dr. Ron Brodersen
Suidae Health & Production
Whole Hog Genetics
88155 Hwy 57
Hartington, NE 68739
Tel: (402) 254-2444
ronb@wholehogai.com

Vice President
Dr. George Charbonneau
109 Lightbourne Avenue
Stratford, ON N4Z 1C8
CANADA
Tel: (519) 273-7170
gcharbonneau@southwestvets.ca

Past President
Dr. Matt Anderson
Suidae Health & Production
2200 Hwy 18 East
PO Box 598
Algona, IA 50511
Tel: (515) 295-8777
matt_anderson@suidaehp.com
Board of Directors

District 1
Dr. Lynette Holman
7148 State Hwy 199
Upper Sandusky, OH 43351
USA

District 2
Dr. Eugene Nemechek
905 Oak Forest Drive
Wilson, NC 27896
USA

District 3
Dr. Bill Starke
12200 NW Ambassador
Suite 225
PO Box 20044
Kansas City, MO 64195
USA

District 4
Dr. Jeff Harker
1610 West Armstrong Road
Frankfort, IN 46041
USA

District 5
Dr. Bill Hollis
Carthage Veterinary Service Ltd
PO Box 220
Carthage, IL 62321
USA

District 6
Dr. Alex Ramirez
Iowa State University
2231 Lloyd Veterinary Medical Center
Ames, IA 50011
USA

District 7
Dr. William DuBois
628 Elder Lane
Mustang, OK 73064
USA

District 8
Dr. Brian Schantz
101 North Hwy 20
PO Box 687
Laurel, NE 68745
USA

District 9
Dr. Jeff Kurt
2568 Stella Court
Fairmont, MN 56031
USA

District 10
Dr. Alberto Stephano
Villa De Guadalupe 234
Villas Del Campestre
Leon, GTO 37129
MEXICO

District 11
Dr. Blaine Tully
1628 Mathers Bay W
Winnipeg, MB R3N 0T7
CANADA

Student Delegate
Chris Sievers
305 Orange Avenue
Ames, IA 50010
USA
<table>
<thead>
<tr>
<th>Location: Events Center</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Monday:</strong> 9:00 AM – 5:00 PM</td>
</tr>
<tr>
<td><strong>Tuesday:</strong> 8:00 AM – 12:00 PM</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Company</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academy of Rural Veterinarians</td>
</tr>
<tr>
<td>AgCreate Solutions</td>
</tr>
<tr>
<td>Agrivolt</td>
</tr>
<tr>
<td>AgroSoft</td>
</tr>
<tr>
<td>Allflex USA/Destron Fearing</td>
</tr>
<tr>
<td>Alltech</td>
</tr>
<tr>
<td>Animal Health International</td>
</tr>
<tr>
<td>APC</td>
</tr>
<tr>
<td>ARKO Laboratories</td>
</tr>
<tr>
<td>Automated Production Systems</td>
</tr>
<tr>
<td>Bayer HealthCare</td>
</tr>
<tr>
<td>Beller Biosecurity Strategies</td>
</tr>
<tr>
<td>BioChek</td>
</tr>
<tr>
<td>Biomin USA</td>
</tr>
<tr>
<td>Boehringer Ingelheim</td>
</tr>
<tr>
<td>Choice Genetics USA</td>
</tr>
<tr>
<td>Chr. Hansen</td>
</tr>
<tr>
<td>Christian Veterinary Mission</td>
</tr>
<tr>
<td>CLARCOR Air Filtration Products</td>
</tr>
<tr>
<td>Diamond V</td>
</tr>
<tr>
<td>DNA Genetics</td>
</tr>
<tr>
<td>Double L Group</td>
</tr>
<tr>
<td>DSM Nutritional Products</td>
</tr>
<tr>
<td>Elanco Animal Health</td>
</tr>
<tr>
<td>EPI Air</td>
</tr>
<tr>
<td>Fast Genetics</td>
</tr>
<tr>
<td>Feedstuffs &amp; National Hog Farmer</td>
</tr>
<tr>
<td>Genesus</td>
</tr>
<tr>
<td>GlobalVetLINK</td>
</tr>
<tr>
<td>Grazix Animal Health</td>
</tr>
<tr>
<td>Harrisvaccines</td>
</tr>
<tr>
<td>Hermitage NGT</td>
</tr>
<tr>
<td>Hog Slat</td>
</tr>
<tr>
<td>Huvepharma</td>
</tr>
<tr>
<td>Hydro Systems Company</td>
</tr>
<tr>
<td>Hypor USA</td>
</tr>
</tbody>
</table>
Technical Tables

IDEXX
IMV Technologies USA
Insight Wealth Group
IVESCO, A Division of MWI
JBS United Animal Health
King Techina
Merck Animal Health
Merial
MJ Biologics
Mofa Global
MVP Laboratories
National Pork Board
National Pork Producers Council
Nedap Livestock Management
Neogen Corporation
Newport Laboratories
Norbrook
Novartis Animal Health
Nutriquest
Pharmacosmos
Pharmgate Animal Health
Phibro Animal Health Corp
PIC
PigCHAMP
PigKnows
PigTek
Preserve International
PureTek Genetics
RTI – Research Technology Innovation
Struve Labs International
Stuart Products
Swine Medicine Education Center (SMEC)
TechMix
Tetracore
Thermo Fisher Scientific
Topigs Norsvin USA
USDA APHIS Veterinary Services
Value-Added Science & Technologies
Zinpro Corporation
Zoetis
Web-based PRRS Risk Assessment Training for the Breeding Herd

Date: Saturday, February 28
Time: 7:30 AM – 12:30 PM
Location: Captain (Lobby Level)
Fee: No charge
Limit: 20 participants, AASV members only
Coordinator: Derald Holtkamp

This training will guide you through the use of the web-based PRRS Risk Assessment known as the Production Animal Disease Risk Assessment Program (PADRAP). PADRAP allows you to view benchmarking reports immediately after submitting an assessment.

Three ways veterinarians have applied the PRRS Risk Assessment:
• Evaluate current biosecurity protocols and/or develop new biosecurity protocols to avoid risk
• Communicate risks and the importance of biosecurity procedures to clients or production personnel
• Aid in the decision to initiate a project to eliminate PRRSV from a breeding herd site and identify modifiable risk factors in an effort to increase the likelihood that an elimination project will be successful long-term.

This session is open to AASV member veterinarians who have not previously used the PRRS Risk Assessment, as well as those who have previously been trained on the spreadsheet version. Please bring a laptop capable of accessing the internet via wireless connection using one of the following web browsers: Mozilla Firefox, Google Chrome or Internet Explorer.
Risk Assessment Training

7:30  Welcome and introductions (note the early start time!)  
      Derald Holtkamp

7:45  Application of PRRS Risk Assessment  
      Egan Brockhoff

8:00  Overview of PRRS Risk Assessment  
      Dale Polson

8:45  “How to” tour of PADRAP  
      Resetting/retrieving your password, creating a new production system, setting up a site and survey, navigating through a survey, duplicating and taking multiple surveys  
      Chris Mowrer

9:45  BREAK

10:00  Hands-on use of the risk assessment; User interview  
       Dale Polson

12:00  Demonstration of pareto chart and the database and benchmarking tool for risk assessment data; exporting raw data: Interpreting results  
       Derald Holtkamp

12:30  Training concludes
Seminar 1

Beyond Our Oath: *Primum non nocere* and other excellent tips, tricks and shortcuts

Date: Saturday, February 28  
Time: 1:00 – 5:00 PM  
Location: Ireland B  
Fee: $80  
Seminar chair: John Waddell

Back by popular demand, the practice tips pre-conference seminar will again provide even more great “tips, tricks and shortcuts” to take home and utilize immediately in your practice and business. This year will feature tips from veteran practitioners and “young guns” alike for a great mix of experience and unbridled enthusiasm. As in years past, no proceedings will accompany these tips so you have to be “in the seats” to get the latest as these stalwarts of our profession compete to be the “top tipster” for cash and prizes. This session promises to truly go “Beyond our Oath: Integrity, Intensity, Professionalism!”

1:00 What am I worth? Negotiating contracts as a new grad  
*Abbey Harding*

1:15 The rubber band: The most versatile tool in practice?  
*Dale Hendrickson*

1:30 Your most under-appreciated and under-utilized asset  
*Shamus Brown*

1:45 Thinking “outside the crate”: Cleaning up PED in a 10,000-head, pen-gestation sow unit  
*Micah Jansen*

2:00 Sh*t I have done that you shouldn’t: The “un-practice” tip  
*Larry Rueff*

2:15 Experiences with electronic sow feeding and large pen sow housing  
*Pete Schneider*
Seminar 1

2:30 Engaging and motivating employees: Make it their idea!
Bryan Myers

2:45 BREAK

3:15 Pooling without the pain: Factors that influence pooling results
Brent Pepin

3:30 Turn up biosecurity against PEDV with UV
Andrea Pitkin

3:45 Accept reality as it is, not as it used to be or as you wish it were
Paul DuBois

4:00 Setting up a mobile office
Mike Eisenmenger

4:15 Fantasy pig production: Draft day and free agents
Mike Lemmon

4:30 CSF? ASF? Nope, just PCV-APES (TYL!): Scary similarities between FADs and domestic “zebras”
Emily Byers

4:45 A man with a pickup plan
Monte Fuhrman

5:00 Seminar concludes
Since the introduction of PED in the US in 2013, porcine coronaviruses have become a clinical and diagnostic reality. The swine industry and profession have had a lot to learn and accomplish in just a few months. With so many unknowns and the development of many diagnostic tools, swine veterinarians are cautiously learning how to better use and interpret these tools to make the right decisions which will impact the health and well-being of millions of pigs. This pre-conference seminar will spotlight porcine epidemic diarrhea (PED), while referencing porcine delta coronavirus where applicable. The ultimate goal of this seminar is to enhance our current understanding of applicability and interpretation of diagnostic assays.

1:00   Transmission: What do we know so far?     Montse Torremorell

1:30   Serology: Overview of PED antibody response     Luis Gimenez-Lirola

2:00   The use of diagnostic tools for porcine epidemic diarrhea virus and swine deltacoronavirus control     Travis Clement and Jane Christopher-Hennings

2:30   Surveillance: The value of oral fluids in PED surveillance     Marisa Rotolo

3:00   BREAK

3:30   Feed diagnostics: What does it really mean – or does it even matter?     Steve Dritz and Loni Schumacher

4:00   Sequencing: does it really matter?     Jianqiang Zhang

4:30   Field application: Results from longitudinal field studies     Albert Rovira

5:00   Seminar concludes
Seminar 3

**Sow Reproduction: Achieving and maintaining the high-producing sow herd**

**Date:** Saturday, February 28  
**Time:** 1:00 – 5:30 PM  
**Location:** Ireland A  
**Fee:** $95  
**Seminar chair:** Nathan Winkelman

Benchmarking record systems show us that the top 10th percentile of US swine farms are at 29 pigs weaned per sow per year, and the very best are at 34 pw/s/yr!

The objective of this session is for our panel of experts to evaluate the genetic, management, and nutrition technologies needed to achieve this level of production, and try to understand why more herds aren’t reaching their potential. The last two speakers will examine the reproduction and financial records, employee philosophy, and details for success of one of the best sow farms in existence today.

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:00</td>
<td>Swine genetics: Current and future potential</td>
<td>Matt Culbertson</td>
</tr>
<tr>
<td>1:40</td>
<td>Gilt and sow management: Why do most systems fail to reach their potential?</td>
<td>Gustavo Pizarro</td>
</tr>
<tr>
<td>2:20</td>
<td>Recent breakthrough findings in essential fatty acid nutrition and seasonal infertility</td>
<td>R. Dean Boyd</td>
</tr>
<tr>
<td>3:00</td>
<td>Break</td>
<td></td>
</tr>
<tr>
<td>3:30</td>
<td>Day one critical care management: Critical tasks to maximize full value pigs</td>
<td>Sarah Probst Miller</td>
</tr>
<tr>
<td>4:10</td>
<td>Records: Evaluating the production and financial performance of high-producing sow farms</td>
<td>Tom Stein</td>
</tr>
<tr>
<td>4:50</td>
<td>People: What it takes to produce 34 pigs weaned/sow/year</td>
<td>Larry Coleman</td>
</tr>
<tr>
<td>5:30</td>
<td>Seminar concludes</td>
<td></td>
</tr>
</tbody>
</table>
## Practical Interventions that Impact Swine Housing

**Date:**  Saturday, February 28  
**Time:**  1:00 – 5:00 PM  
**Location:**  Scotland A  
**Fee:**  $95  
**Seminar chair:**  Michelle Michalak

All pig housing is not alike, but there are many common factors. The housing environment affects the pigs’ health and productivity. This workshop is filled with information that can be used on your next farm visit or team meeting. Presentations are by experts that specialize in swine production, including agricultural engineers, a livestock entomologist, a pest control expert, and a veterinarian. They will enlighten you with ideas and methods to improve the pigs’ environment. Case studies will illustrate the swine practitioner’s role in evaluating swine housing concerns. This workshop is practical and filled with tips and action steps.

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
</table>
| 1:00  | Things to know about environmental sustainability: Keeping energy bills tamed  
Mike Brumm  |
| 1:45  | Repair or replace? When is old too old?  
Scott Unke  |
| 2:30  | Ventilation tweaks and upgrades to help the pig WIN!  
Jeff Kurt  |
| 3:00  | BREAK                                                                     |
| 3:15  | Bugs that bug you: Flies, biting insects, and meal moths  
Mike Catangui  |
| 4:00  | Uninvited guests: Rodent control in production facilities  
John Beller  |
| 4:45  | Roundtable Q & A  
All presenters  |
| 5:00  | Seminar concludes                                                         |
“Hey, Doc – pigs look great, but they can’t walk. What can you give me to get them on the truck?” With margins reaching record highs, the cost of late finishing losses has never been more significant. Why do we lose so many pigs to lameness? This session will focus on diagnosis, prevention, and treatment of growing pig lameness. Attendees will pick up the most current tools and techniques to diagnose complex lameness issues, enabling their customers to improve their bottom line.

1:00 Growing pig lameness: A costly emerging issue
Jess Waddell

1:30 Infectious causes of lameness: Diagnostic tools and approach
Kent Schwartz

2:00 Using prevalence and severity alongside diagnostics to monitor lameness treatment plans over time
Sarah Probst Miller

2:30 The pharmacology of lameness treatment
Locke Karriker

2:45 BREAK

3:15 Emerging insights into classical cases of nutritionally induced lameness in pigs
Laura Amundson (Rortvedt)

4:00 Diagnostic evaluation of metabolic lameness: New tools and techniques
Kent Schwartz

4:30 A case of non-infectious lameness
Pete Lasley

5:00 Seminar concludes
Public policy and regulators at the US Food and Drug Administration (FDA) are playing a bigger role in how swine veterinarians work with clients and patients. This seminar will provide an update on FDA’s Guidance for the Industry #213, while adding in the perspective on implementation from a state veterinarian. It will provide information and experiences about FDA inspections and prescription management that can be taken home and implemented in the practice and on the farm. AMDUCA and compounding will also be addressed. Finally, this seminar will provide an update from Washington, DC on policy that directly impacts swine veterinarians.

1:00  What’s happening in Washington, DC that can impact what happens on the farm  
      Liz Wagstrom

1:30  FDA CVM update on implementing Guidance 213 and updating the VFD rule  
      Neal Bataller

1:50  A State Veterinarian’s perspective on Guidance 213  
      Bret Marsh

2:15  Prescription management in our practices  
      Todd Williams

2:35  FDA inspections of clinics and farms: How do we prepare and what do we do?  
      Brad Leuwerke

2:55  BREAK

3:25  AMDUCA: What pain management options are available to swine veterinarians?  
      Neal Bataller
3:45  AMDUCA and compounding in the real world: How do our practices conform?  
Mike Apley  

4:05  The Food Safety Modernization Act and what it means to you  
Leah Wilkinson  

4:35  Roundtable Q & A  
All presenters  

5:00  Seminar concludes
Sponsored by Stuart Products

For many, Sunday is a day to gather with family and friends for spiritual nourishment and encouragement in faith. Bring your family and join your AASV friends for breakfast, music, and fellowship at the AASV Praise Breakfast!

Praise our Lord with the AASV praise team. Then receive a God-directed message provided by AASV member Dr. David Baum!

Your free-will offering, along with support from Stuart Products, will defray the cost of the breakfast. The program will conclude by 8:00 AM to allow you to attend the meeting sessions, but feel free to stay and visit.

All AASV meeting attendees and their family members are welcome!
Seminar 7

Piglet Diarrhea

Date: Sunday, March 1
Time: 8:00 AM – 12:00 PM
Location: Ireland B
Fee: $95
Seminar chair: Andrew Bents

8:00  Pathophysiology of piglet diarrhea during and after a PED infection
      Kurt Rossow

8:35  Porcine deltacoronavirus: What we know so far
      Kelly Lager

9:10  *Clostridium perfringens and difficile*: Proper diagnosis, prevention, and control
      Paulo Arruda

9:45  BREAK
      Sponsored by: MERIAL and NEWPORT LABORATORIES

10:15 Alternative scour prevention and control: On-farm experience
      Deb Murray

10:50 Alternative scour prevention and control: History and science of options
      Randy Simonson

11:25 *E. coli* control and prevention strategies
      Hans Koehnk

12:00 Seminar concludes
This seminar will provide a review of infectious disease transmission and biosecurity with respect to PRRS and PEDV, followed by a look into managing biosecurity within an integrated system. We will take a look at the next levels of biosecurity, as well as understanding the risks to our country’s borders. Finally, there will be a look into biosecurity within the poultry industry and human behavior. A roundtable discussion will conclude the seminar.

8:00  Biosecurity: PRRS, PEDV, and a history of progress
      Scott Dee

8:45  Managing biosecurity in an integrated system
      Deborah Murray

9:30  BREAK
      Sponsored by: Merial and Newport Laboratories

10:00 Biosecurity to the extremes and protecting our borders
      Dick Hesse

10:45 Biosecurity: Driving execution
      Jean-Pierre Vaillancourt

11:30 Biosecurity roundtable Q&A
      All speakers

12:00 Seminar concludes
Seminar 9

Nutrition and Feeding in the Era of PED Virus

Date: Sunday, March 1
Time: 8:00 AM – 12:00 PM
Location: Scotland A
Fee: $95
Seminar chair: Joel Spencer

The introduction of PED virus into North America has intensified the focus on feeding health-challenged pigs and early-weaned pigs. This session delves into the latest science and on-farm practices for feeding pigs that are challenged by health status or young age. The session will also provide the latest knowledge of the relationships between PEDV/PDCoV transmission and feed.

8:00 Neonatal nutritional concepts learned by using piglets as models for preterm human nutrition
Randy Buddington

8:45 Nutrition concepts for early-weaned PEDV pigs and nutrition-related welfare concerns
Laura Greiner

9:30 BREAK
Sponsored by: Merial and Newport Laboratories

9:50 Research update on nutrition and metabolism needs for health-challenged pigs
Nick Gabler

10:40 State of the knowledge: The relationships between PEDV/PDCoV transmission and feed
Russ Nugent

11:40 Q & A Roundtable
All speakers

12:00 Seminar concludes
Swine Medicine for Students

Date: Sunday, March 1
Time: 8:00 AM – 12:00 PM
Location: Ireland A
Fee: $95; No charge for veterinary students or 2013 or 2014 DVM graduates
Seminar co-chairs: Angela Supple and Jeremy Pittman

The student pre-conference seminar has been set up to provide supplementary and useful information that students may not receive in their veterinary curriculum. The goal is to provide this information through the experience of recent graduates who remember what it was like to be a student. This year, we will return to a topic that is consistently requested and in which many students feel deficient upon graduating: medication. In addition, the ever-popular interactive case will return in this session. To close the session, we will have a question-and-answer panel of recent graduates (within 1 year) from a variety of practice types.

8:00  Introduction

8:05  Essentials of farm pharm
Jeremy Pittman

9:00  Practical farm pharm
Amber Stricker

9:50  BREAK
Sponsored by: MERAL and NEWPORT LABORATORIES

10:00  Multi-sourced commingling event and interactive case
Angela Supple and Jeremy Pittman

11:30  Q & A: What to expect the first year out?
Recent Graduate Panel

12:00  Seminar concludes
Our focus is two-fold: first, to address the challenge of PEDV specific to boars, and second, to examine the ways boar studs influence reproductive performance. Whether you are responsible for the health of a boar stud, need to know more about the judicious use of CASA systems to better apply motility, morphology, and morphometry parameters at the production level, have an interest in reference lab flow cytometry analysis, or work primarily with sow farms and want to hear a western European perspective on what boar studs can and should be doing to protect and enhance your client’s performance, this is the session for you. Swine practitioners and consultants will leave this seminar with practical information they can apply immediately, and will gain confidence in becoming familiar with topics they are likely to encounter in the near future.

8:00 PEDV and boars: Case studies from practitioner experience
Marlena McCarty and Bob Thompson

8:45 PEDV and boars: Research update
Darwin Reicks

9:15 Internal quality control performed at boar studs: The importance to the breeding herd veterinarian
Hanneke Feitsma

9:45 BREAK
Sponsored by: Merial and Newport Laboratories

10:00 Currently available technologies to refine semen analysis, processing decisions, and boar usage
Claus Hansen

11:00 Chromosomal causes of impaired reproductive performance in swine
Alain Pinton

12:00 Seminar concludes
Research Topics

Date: Sunday, March 1
Time: 8:00 AM – 12:00 PM
Location: England
Session chair: Chris Rademacher

8:00 Viremia and tissue distribution of porcine epidemic diarrhea virus in weaned pigs after experimental infection
Mahesh Bhandari

8:15 Evaluation of porcine epidemic diarrhea virus transmission and the immune response in growing pigs
Kimberly Crawford

8:30 Defining PEDV maternal immunity and correlates of neonatal protection
Korakrit Poonsuk

8:45 Comparison of the pathogenesis differences of the US PEDV prototype and variant strains in neonatal piglets
Jianqiang Zhang

9:00 In vitro evaluation of serological cross-reactivity and cross-neutralization between the US PEDV prototype and variant strains
Qi Chen

9:15 Does previous infection of sows with a “mild” (variant) strain of PED virus confer significant protection against infection with a “severe” (prototype) strain?
Dane Goede

9:30 Airborne transmission of PED virus and effect of the electrostatic particle ionization technology on decreasing airborne swine viruses
Carmen Alonso

9:45 BREAK
Sponsored by: Merial and Newport Laboratories
<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Presenter</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:15</td>
<td>Risk assessment of feed ingredients of porcine origin as vehicles for transmission of porcine epidemic diarrhea virus (PEDV)</td>
<td>Fernando Sampedro</td>
</tr>
<tr>
<td>10:30</td>
<td>A porcine deltacoronavirus serological survey using an indirect PDCoV anti-IgG ELISA confirms that PDCoV infection in US pigs is low and has been present since 2010</td>
<td>Tanja Opriessnig</td>
</tr>
<tr>
<td>10:45</td>
<td>Histopathological and immunohistochemical characterization of pigs experimentally infected with porcine deltacoronavirus</td>
<td>Sarah Vitosh-Sillman</td>
</tr>
<tr>
<td>11:00</td>
<td>Effects of porcine reproductive and respiratory syndrome (PRRS) modified live virus vaccine on the host response of nursery pigs to co-infection with PRRS virus and porcine circovirus type 2b</td>
<td>Megan Niederwerder</td>
</tr>
<tr>
<td>11:15</td>
<td>Dynamics of co-circulating H1N1 and H3N2 influenza A viruses in a cohort of pigs after weaning</td>
<td>Andres Diaz</td>
</tr>
<tr>
<td>11:30</td>
<td>Effect of timing of gilt relocation from group pens to individual stalls on measures of fertility and well-being</td>
<td>Laura Greiner</td>
</tr>
<tr>
<td>11:45</td>
<td>The timing of estrus and ovulation in gilts synchronized using Matrix and the effects of synchronizing ovulation using OvuGel® on fertility</td>
<td>Rob Knox</td>
</tr>
<tr>
<td>12:00</td>
<td>Session concludes</td>
<td></td>
</tr>
</tbody>
</table>
Sunday Session #1

Student Seminar

**Date:** Sunday, March 1  
**Time:** 1:00 – 5:15 PM  
**Location:** Great Hall North  
**Session co-chairs:** Alex Ramirez and Peter Davies

---

**Sponsored by ZOETIS**

1:00  Impact of piglet weight and weaning age on influenza A virus infection and nucleoprotein antibody levels at weaning  
*Hunter Baldry, University of Minnesota*

1:15  An investigation of PRRSV-positive PCR findings in weanling pigs using a novel sampling method  
*Brigitte Mason, University of Illinois*

1:30  The effects of vaccination timing on porcine circovirus type 2 viremia  
*Colleen Crozier, North Carolina State University*

1:45  Comparison of sow decubital shoulder ulcer treatments  
*Emily Renner, University of Minnesota*

2:00  Effect of porcine epidemic diarrhea virus infectious doses on outcome of infection in naïve neonatal piglets and weaned pigs  
*Joseph Thomas, Iowa State University*

2:15  Persistence of clinical signs associated with a porcine epidemic diarrhea virus outbreak on a farrow-to-grow swine operation in southwestern Ontario: A case study  
*Ryan Tenbergen, University of Guelph*

2:30  Correlation of semi-quantitative reverse transcription polymerase chain reaction results for porcine epidemic diarrhea virus and the presence of positive immunohistochemistry  
*Alyssa Taplett, Iowa State University*

2:45  BREAK

---

Sponsored by: HARRISVACCINES
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter</th>
<th>Affiliation</th>
</tr>
</thead>
<tbody>
<tr>
<td>3:15</td>
<td>Evaluation of an accelerated hydrogen peroxide disinfectant to inactivate PEDV in swine feces on metal surfaces found in livestock trailers</td>
<td>Jacqueline Myers</td>
<td>Iowa State University</td>
</tr>
<tr>
<td>3:30</td>
<td>Comparison of ante-mortem sampling procedures to post-mortem bronchial swabs for detection of <em>Mycoplasma hyopneumoniae</em> by PCR</td>
<td>Christopher Sievers</td>
<td>Iowa State University</td>
</tr>
<tr>
<td>3:45</td>
<td>Evaluation of disinfectants to neutralize porcine epidemic diarrhea virus</td>
<td>Scott Radke</td>
<td>Iowa State University</td>
</tr>
<tr>
<td>4:00</td>
<td>Use of environmental sampling and bioassay as supportive diagnostics in eliminating porcine epidemic diarrhea virus from sow farms</td>
<td>Kathleen Wood</td>
<td>North Carolina State University</td>
</tr>
<tr>
<td>4:15</td>
<td>A solution to controlled exposure of feedback material in group-housed gestating sows</td>
<td>Alexandra John</td>
<td>University of Pennsylvania</td>
</tr>
<tr>
<td>4:30</td>
<td>Evaluation of a porcine epidemic diarrhea vaccine to reduce preweaning mortality</td>
<td>Amanda Harris</td>
<td>Iowa State University</td>
</tr>
<tr>
<td>4:45</td>
<td>Evaluating the use of Swiffer® pads to detect porcine epidemic diarrhea virus in the farrowing environment</td>
<td>Quinn Robinson</td>
<td>Iowa State University</td>
</tr>
<tr>
<td>5:00</td>
<td>Pharmacokinetics of translactational delivery of the analgesic meloxicam</td>
<td>Brianna Peters</td>
<td>University of Tennessee</td>
</tr>
<tr>
<td>5:15</td>
<td>Session concludes</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Sunday Session #2**

**Industrial Partners**

**Date:** Sunday, March 1  
**Time:** 1:00 – 4:30 PM  
**Location:** Great Hall Center  
**Session chair:** Dwain Guggenbiller

---

1:00  **Impact of Neo-Terramycin®, Mecadox®, Denagard® plus CTC and Denagard® feeding programs on nursery pigs with PEDV, Salmonella serovars, and E.coli**  
---  
**Dwain Guggenbiller**  
**PHIBRO ANIMAL HEALTH**

1:15  **Novel tool for on-farm quantification of prevalence and severity of sow claw lesions and lameness**  
---  
**Jerry Torrison**  
**ZINPRO CORPORATION**

1:30  **How post-cervical artificial insemination (PCAI) impacts the sow farm and reduces genetic lag**  
---  
**John Sonderman**  
**DNA GENETICS**

1:45  **Practicalities of batch farrowing implementation**  
---  
**Juan Carlos Pinilla**  
**PIC NORTH AMERICA**

2:00  **New developments in dietary acidifier usage for swine**  
---  
**Joseph Soto**  
**BIOMIN USA**

2:15  **Map-based comparative genomic analysis of a virulent Streptococcus suis serotype 2 strain against recent field isolates**  
---  
**Paulraj Lawrence**  
**NEWPORT LABORATORIES**

2:30  **Virulence-associated multi-locus genetic typing of Streptococcus suis**  
---  
**Srivishnupriya Anbalagan**  
**NEWPORT LABORATORIES**
Sunday Session #2

2:45 BREAK
Sponsored by: HARRISVACCINES

3:15 Development of real-time PCR reagents for the detection of porcine epidemic diarrhea virus and porcine deltacoronavirus
Michael Angelichio
IDEXX

3:30 System-based PRRS control: A summary of 4 large system PRRS control projects
John Kolb
BOEHRINGER INGELHEIM VETMEDICA

3:45 Evaluation of the Enterisol® Salmonella T/C vaccine strains against challenge with a virulent S Typhimurium isolate
Axel Neubauer
BOEHRINGER INGELHEIM VETMEDICA

4:00 Mycoplasma hyopneumoniae gilt acclimation and sow herd stability: Essentials to the systematic control approach
Eduardo Fano
BOEHRINGER INGELHEIM VETMEDICA

4:15 Efficacy of an innovative food to reduce neonatal losses in piglets and increase pre-weaning growth
Hervé Gabillet
EARLYPIG

4:30 Session concludes
Sunday Session #3

Industrial Partners

Date: Sunday, March 1
Time: 1:00 – 4:15 pm
Location: Great Hall East/West
Session chair: Adam Moeser

1:00 Detection of tylvalosin (Aivlosin®) in synovial fluid from nursery pigs
   Paisley Canning
   PHARMGATE ANIMAL HEALTH

1:15 Enterotoxigenic E. coli pathophysiology and new insights on the impact of gut function and health
   Adam Moeser
   ELANCO ANIMAL HEALTH

1:30 Evaluation of the effects of narasin on the growth performance and viral shedding of nursery pigs infected with porcine epidemic diarrhea virus
   Chris Puls
   ELANCO ANIMAL HEALTH

1:45 A health information management system to analyze diagnostic data for rapid, precise decision-making
   Joseph Connor
   GLOBALVETLINK

2:00 Nursery, finishing and wean-to-finish cost-of-production data benchmarking
   Tom Stein
   METAFARMS

2:15 Post-PEDV sow reproductive performance following an epidemic
   James Lehman
   MERCK ANIMAL HEALTH

2:30 Circumvent® PCV M G2: Impact of vaccination timing and interval on PCV2 efficacy and serological responses
   Brad Thacker
   MERCK ANIMAL HEALTH
2:45  BREAK  
Sponsored by: HARRISVACCINES

3:15  PCV2 vaccination update: Field experiences and serological test comparisons  
Brad Thacker  
MERCK ANIMAL HEALTH

3:30  Vaccination of sows with CIRCOVAC® and piglet PCV2 vaccination gives better chances to control PCV2 circulation in the pig flow  
Francois Joisel  
MERRIAL

3:45  The impact of supportive care on Challenged Pig recovery  
Dan McManus  
PURINA ANIMAL NUTRITION

4:00  A new PRRSV ELISA, highly correlated with IPMA  
Eric van Esch  
BIOCHEK

4:15  Session concludes

WELCOME RECEPTION  
Sponsored by: ZOETIS  
Sunday, March 1  
6:30 – 8:30 PM  
Scotland/England
### Sunday Session #4

**Industrial Partners**

**Date:** Sunday, March 1  
**Time:** 1:00 – 4:15 PM  
**Location:** England  
**Session chair:** Gene Nemechek

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
<th>Company</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:00</td>
<td>New findings for injectable and oral fat-soluble vitamins</td>
<td>Robert Stuart</td>
<td>STUART PRODUCTS</td>
</tr>
<tr>
<td>1:15</td>
<td><strong>EUTHANEX</strong>&lt;sup&gt;®&lt;/sup&gt; AgPro&lt;sup&gt;TM&lt;/sup&gt; humane euthanasia with CO2: How it meets AVMA Guidelines for the Euthanasia of Animals: 2013 Edition</td>
<td>Corky Feuerbach</td>
<td>VALUE-ADDED SCIENCE &amp; TECHNOLOGIES</td>
</tr>
<tr>
<td>1:30</td>
<td>Comparison of culture and PCR from oral fluids for the detection of <em>Brachyspira hyodysenteriae</em></td>
<td>Perle Boyer</td>
<td>NOVARTIS ANIMAL HEALTH US</td>
</tr>
<tr>
<td>1:45</td>
<td>Solubility of Florvio&lt;sup&gt;®&lt;/sup&gt; under various water quality conditions in the laboratory</td>
<td>Keith Erlandson</td>
<td>NOVARTIS ANIMAL HEALTH US</td>
</tr>
<tr>
<td>2:00</td>
<td>Evaluation of reproductive performance using OvuGel&lt;sup&gt;®&lt;/sup&gt; with a single fixed-time artificial insemination protocol in six commercial swine farms</td>
<td>Charles Francisco</td>
<td>JBS UNITED ANIMAL HEALTH</td>
</tr>
<tr>
<td>2:15</td>
<td>Fostera PRRS keeps pigs growing in the face of heterologous challenge</td>
<td>Brett O’Brien</td>
<td>ZOETIS</td>
</tr>
<tr>
<td>2:30</td>
<td>Field efficacy of an experimental porcine epidemic diarrhea vaccine, killed virus, administered to pregnant sows</td>
<td>Ashley DeDecker</td>
<td>ZOETIS</td>
</tr>
</tbody>
</table>
Sunday Session #4

2:45  BREAK  
Sponsored by: HARRISVACCINES

3:15  Anti-inflammatory properties of Draxxin® (tulathromycin)  
Doug King  
ZOETIS

3:30  ESF implementation options: Finding the right solution to meet your clients’ needs  
Jeff Schoening  
AUTOMATED PRODUCTION SYSTEMS

3:45  Feeding a proprietary animal protein mitigates PRRSV-induced effects in mature gilts  
Ran Song  
NUTRIQUEST

4:00  Evaluation of PED RNA vaccine efficacy in a dam vaccination, suckling pig challenge model  
Mark Mogler  
HARRISVACCINES

4:15  Session concludes
Veterinary Student Posters (#1 – #46)

Location: Events Center

Sunday, March 1
12:00 – 5:00 PM
Authors present from 12:00 – 1:00 PM

Monday, March 2
9:00 AM – 5:00 PM

Sponsored by ZOETIS

Posters #1-15 have been selected for judging in the Student Poster Competition, with scholarship awards sponsored by NEWPORT LABORATORIES

1. A porcine reproductive and respiratory syndrome virus vaccine based on the synthetic attenuated virus engineering (SAVE) approach is attenuated and effective in protecting against macroscopic lung lesions associated with homologous virus challenge
   Danielle Evenson, Iowa State University

2. A retrospective study of Brachyspira hampsonii in western Canadian swine using paraffin-embedded colon tissue from diagnostic cases
   Stephanie Derbawka, University of Saskatchewan

3. Effect of reconstitution of an influenza A swine vaccine with another vaccine on the serological response
   Daniel Gascho, Purdue University

4. Evaluation of deworming protocols in breeding herds using a survey and fecal examination
   Cassy Griebel, University of Minnesota

5. Individual Pig Care: Determining the best management practice for the B-pig
   Chelsea Onken, Iowa State University

6. Investigation of neutralizing antibodies to determine lactogenic immunity levels following exposure to porcine epidemic diarrhea virus
   Erin Jobman, Kansas State University
7. Alternative methods of measuring swine body temperature  
   Amanda Jara, University of Georgia

8. Serology comparison of pigs vaccinated with Ingelvac® PRRS MLV at different ages, from a PRRSV positive stable source  
   Tyler Te Grotenhuis, Iowa State University

9. Vaccination mitigates the negative impact PRRSV infection has on the pharmacokinetics of ceftiofur crystalline free acid in pigs  
   Joel Sparks, Iowa State University

10. Comparison of 4 euthanasia methods in weaning age piglets  
    Dan Breuer, Iowa State University

11. Elucidating positive states of sow welfare  
    Bernadetta Bernatowicz, University of Pennsylvania

12. Comparison of sampling methods for detection of influenza A virus  
    Kayla Ohrt, Iowa State University

13. The effect of translactational antibodies on preweaning mortality in a porcine epidemic diarrhea virus exposed herd  
    Donna Drebes, University of Minnesota

14. Differences in host genetics influence PCVAD susceptibility based on experimental challenges with porcine circovirus 2b  
    Taylor Engle, Virginia-Maryland Regional College of Veterinary Medicine

15. Evaluation of Flu DETECT antigen test kit using three different sampling methods during natural infections of influenza A virus in swine  
    Joseph Yaros, Cornell University

16. Determining *Mycoplasma hyopneumoniae* viability through the use of ethidium monoazide  
    Alyssa Anderson, University of Minnesota

*Continued on next page*
Veterinary Student Posters

17. Swine handling facilities at small regional pork processors
   Kayla Blake, Auburn University

18. Characterization of lesions of pigs rejected at finisher placement
   Daniel Boykin, North Carolina State University

19. Prophylactic antibiotic and navel care used for the prevention of umbilical hernias in swine
   Daniel Carreño, North Carolina State University

20. Comparison of performance in pigs administered Fostera PRRS at processing or weaning with subsequent PRRSV challenge in nursery
   Laura Carroll, North Carolina State University

21. Feral swine and brucellosis in the United States
   Adam Copeland, Texas A&M University

22. Influence of caretaker preferences and implementation of protocols on the use of carbon dioxide gas for piglet euthanasia
   Lindsay Daly, Cornell University

23. Characterization and management of Mycoplasma hyopneumoniae status in a newly established genetic multiplication herd
   Natalie Didier, University of Illinois

24. The effects of hemoglobin levels on growth rates in pigs
   Sarah Dunnigan, North Carolina State University

25. Examining spatial dynamics of influenza A virus in swine at agricultural fairs
   Alexa Edmunson, The Ohio State University

26. Comparison of tracheobronchial mucus collection and RT-PCR with seroconversion for assessment of herd prevalence
   Brittany Farron, University of Illinois

27. Influence of the neonatal piglet microbiota on survivability and wean weight
   Marissa Garry, University of Minnesota
Veterinary Student Posters

28. Effects of third generation cephalosporin administration at piglet processing on mortality, morbidity, average daily gain, and castration wound-healing
Kristen Hayman, Iowa State University

29. Biosecurity audits of grow-finish sites
Jessica Johnson, University of Minnesota

30. Evaluation of diagnostic sampling types to evaluate porcine epidemic diarrhea virus shedding status after known exposure to replacement gilts
Henry Johnson, University of Illinois

31. An evaluation of 4 different mobile phone applications for on-farm data collection
Mackenzie Kelling, University of Illinois

32. The association between environmental conditions and diseases in nursery pigs
Kaushalya Kuruppu, University of Guelph

33. Monitoring of porcine reproductive and respiratory syndrome virus in Ontario swine herds and assessing its impact on morbidity and mortality
Roxana Lelewski, University of Guelph

34. Seasonal infertility: A clinical case analysis
Emily Mahan-Riggs, North Carolina State University

35. Investigation into increased rectal, uterine, and vaginal prolapses in commercial sow herds
Brittney McLamb, North Carolina State University

36. Environmental enrichment for growing swine
Heather Neureuther, University of Guelph

37. Comparison of Florvio® and amoxicillin impacts on clinical diarrhea and average daily gain
Mara Nix, University of Illinois

Continued on next page
Veterinary Student Posters

38. A pilot study evaluating maternal antibody interference with Ingelvac PRRS MLV and Fostera PRRS vaccines
   Mary O’Loughlin, Iowa State University

39. The challenge of type 1 PRRSV isolation and propagation: A review
   Chris Olsen, Iowa State University

40. Behavioral preference for different enrichment types in a commercial sow herd
   Lynn Pavlovic, University of Pennsylvania

41. Determining if oral fluids can detect *Lawsonia intracellularis* in a commercial pen environment
   Megan Pieters, Iowa State University

42. Systematic investigation of elevated piglet mortality in a high health swine herd
   Amy Sneed, University of Illinois

43. Visual evaluation of sleep behavior in crated gestating sows
   John Sopronyi, University of Pennsylvania

44. A retrospective study on the distribution of MLST types ST1, ST25, and ST28 of *Streptococcus suis* serotypes 1/2 and 2 clinical strains isolated in the US and evaluation of immunogenicity of each MLST in mice by vaccination
   Molly Stafne, Iowa State University

45. Influenza A virus testing: Which sample material should you use?
   Christine Szablewski, The Ohio State University

46. Prevalence of coccidiosis in nursing piglets
   Emily Zakrajsek, University of Guelph
Poster Session

Research Topics Posters (#47 - #62)

Location: Events Center

Sunday, March 1
12:00 – 5:00 PM
Authors present from 12:00 to 1:00 PM

Monday, March 2
9:00 AM – 5:00 PM

47. Particle size characterization of influenza A, PRRS, and PED viruses in aerosols from acutely infected pigs
   Carmen Alonso

48. Exploring the uses of a PRRS area regional control and elimination database for disease investigation
   Andreia Arruda

49. Determining the frequency and associated risk factors of type A influenza virus infections in swine upon arrival at agriculture exhibitions
   Nola Bliss

50. Novel molecular epidemiology tools to assess the relation among porcine reproductive and respiratory syndrome viruses causing outbreaks in sow farms
   Andres Perez

51. Effects of gilt body weight on litter characteristics under commercial conditions
   Marcio Goncalves

52. Evaluation of a PED vaccine on piglet mortality and sow immunity
   Laura Greiner

53. Cross-protection after challenge with a contemporary, heterologous PRRS virus in pigs vaccinated with Fostera PRRSTM
   Drew Magstadt

54. 26-week duration of respiratory immunity for Fostera PRRSTM vaccine in day-old piglets
   Brett O’Brien

Continued on next page
Poster Session

Research Topics Posters

55. Experimental PRRS vaccine for prevention of reproductive disease in gestating gilts
   Brett O’Brien

56. Evidence from bioassays that commercial spray drying processes are effective at inactivating PEDV
   Tanja Opriessnig

57. Impact of mixing strategies on animal-based measures of welfare in sows fed via electronic sow feeder
   Meghann Pierdon

58. Safety and immunogenicity of an experimental porcine epidemic diarrhea vaccine, killed virus
   Vicki Rapp-Gabrielson

59. Biological hazard analysis and biosecurity assessments for feed manufacturing and distribution in the swine feed supply chain
   Tim Snider

60. Quantitative evaluation of nasal carriage of Staphylococcus aureus in swine veterinarians
    Jisun Sun

61. Seasonal variation in prevalence of different respiratory pathogens during post-weaning and fattening period in Belgian and Dutch pig herds using a tracheo-bronchial swab technique
    Frederic Vangroenweghe

62. Survey on pig farmers’ current knowledge on important aspects of Good Vaccination Practices under field conditions in the Netherlands
    Frederic Vangroenweghe
Industrial Partners Posters (#63 - #72)

Location: Grand Hall (conf center, 1st floor)

Sunday, March 1
12:00 – 5:00 PM
Authors present from 12:00 to 1:00 PM

Monday, March 2
9:00 AM – 5:00 PM

63. Effect of piglet birth weight on performance and profitability
Darwin Kohler
BABCOCK GENETICS

64. In vitro activity of 12 antimicrobials against an oral attenuated live Lawsonia intracellularis vaccine isolate
Bernd Grosse Liesner
BOEHRINGER INGELHEIM VETMEDICA

65. Comparative performance of Hyogen® and three commercial Mhyo vaccines: Slaughterhouse evaluation
William M.T. Costa
CEVA ANIMAL HEALTH BRAZIL

66. The use of antemortem tracheobronchial mucus collection technique for Mycoplasma hyopneumoniae diagnostics
Jessica Bates
ELANCO ANIMAL HEALTH

67. Evaluation of gilt reproductive performance using OvuGel® with a single fixed-time artificial insemination protocol
Michael Johnston
JBS UNITED ANIMAL HEALTH

68. Diagnostic and control strategies for managing PCV2 in the breeding herd
Keith Aljets
MERCK ANIMAL HEALTH

69. Market hog sales data benchmarking
Tom Stein
META FARMS

Continued on next page
Industrial Partners Posters

70. A case report on discrepant serologic results obtained from ELISA and Western blot immunoassay for young pigs that received two vaccinations with *Mycoplasma hyopneumoniae* vaccine
   Bob Chang Lin
   MVP LABORATORIES

71. *Lawsonia* shedding in grow-finish pigs given a partial dose of *Lawsonia* vaccine. A case study
   Bob Evelsizer
   NOVARTIS ANIMAL HEALTH US

72. Comparative evaluation of two-dose PCV/*M hyopneumoniae* vaccination protocols in swine challenged with PCV and *M hyopneumoniae*
   Bobby Cowles
   ZOETIS

INTERNET KIOSK
Sponsored by GLOBALVETLINK

Located in Hampton Court Booth
Technical Tables

The marketplace devoted to the needs of the swine veterinarian.

Visit the Technical Tables Exhibit!

With more than 75 companies and organizations participating (see page 8), the Technical Tables offer the perfect opportunity to learn about the latest products and services available to you and your clients.

EXHIBITS OPEN

Monday, March 2
9:00 AM – 5:00 PM

Tuesday, March 3
8:00 AM – 12:00 PM

LOCATION

Events Center

All refreshment breaks on Monday and Tuesday will take place in the Events Center. Take some time to visit with our exhibitors and thank them for their support of the AASV Annual Meeting!
The AASV is pleased to host the Spouse Hospitality Suite at the Buena Vista Palace. Visit with old friends and make new acquaintances as you enjoy pastries, juice, and coffee. This is a great place to plan the rest of your day with fellow AASV spouses and families.

AASV Foundation
Big, Hairy, Audacious Raffle

Here’s a fabulous opportunity for ALL AASV members to support the Foundation and have a chance to win – drum roll, please –

A BRAND NEW CAR!

That’s right - MVP LABORATORIES has demonstrated their passionate support of the AASV Foundation by donating a car valued at $25,000 to raffle in Orlando, with all proceeds benefiting the foundation.

The raffle drawing will be held during the Live Auction on Monday, March 2.
It is not necessary to be present for the drawing in order to win.

For $100 per raffle ticket, you can support the foundation AND have a chance to win a brand new vehicle valued at $25,000. Contact the AASV office or one of the Auction Committee members to purchase your ticket(s) and show your support for the AASV Foundation!
Monday, March 2
Empire Ballroom

Follow Your Passion!

It’s only fitting that this year’s AASVF Auction Committee has dedicated the 2015 fundraiser in honor of two of the foundation’s most passionate supporters, the late Dr Rod Johnson and his wife, Jean. Rod and Jean donated items for the annual Foundation Auctions as generously and enthusiastically as they requested donations from others, and then followed up with their active participation in the bidding. The example set by Rod and Jean reminds us all of the greatness that can be achieved when we put the words “Follow your passion” into action.

Look over the auction catalog or go to aasv.org/foundation to see the items up for bid. Since everything’s been donated, the full amount of your bid will support AASV Foundation programs, including swine research, scholarships, swine externship grants, annual meeting travel stipends for students, heritage videos, and more!

Silent Auction
Bid on the silent auction items on Monday, March 2. The bidding will close Monday evening, and we’ll announce the names of the winning bidders at the AASV Awards Reception.

Live Auction
The Live Auction will be held at the conclusion of the AASV Awards Reception Monday evening.

aasv.org/foundation
Beyond Our Oath: Integrity, Intensity, Professionalism

Date: Monday, March 2
Time: 8:00 AM – 12:30 PM
Location: Great Hall East/West
Program chair: Ron Brodersen

8:00  Howard Dunne Memorial Lecture
      Because it’s the right thing to do
      Greg Stevenson

9:00  Alex Hogg Memorial Lecture
      Influence and advocacy: Opportunities for swine veterinarians
      C. Scanlon Daniels

10:00 BREAK
      Co-sponsored by HOG SLAT

PED, TGE, and Enteric Immunology:

10:30 Coronavirus overview and maternal vaccines to induce lactogenic immunity to PEDV in swine
      Linda Saif

11:10 Gut immunity – What are the keys to protection?
      Chris Chase

11:50 Coronavirus clinical presentation
      Dick Hesse

12:30 LUNCHEON

AASV LUNCHEON
Sponsored by:
BOEHRINGER INGELHEIM
VETMEDICA, INC

Monday, March 2
12:30 – 2:00 PM
Empire Ballroom
### Managing Enteric Coronaviruses at the Farm Level

**Date:** Monday, March 2  
**Time:** 2:00 – 5:30 PM  
**Location:** Great Hall North  
**Session chair:** Jeff Harker

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:00</td>
<td>Managing the initial break</td>
<td>Elissa Schlueter</td>
</tr>
<tr>
<td>2:25</td>
<td>Intentional exposure techniques</td>
<td>Matthew Turner</td>
</tr>
<tr>
<td>2:50</td>
<td>PED rebreaks</td>
<td>Matt Ackerman</td>
</tr>
<tr>
<td>3:15</td>
<td><strong>BREAK</strong></td>
<td></td>
</tr>
<tr>
<td>3:15</td>
<td>Sponsored by <a href="#">CEVA ANIMAL HEALTH</a></td>
<td></td>
</tr>
<tr>
<td>3:45</td>
<td>Managing chronic farms</td>
<td>Luc Dufresne</td>
</tr>
<tr>
<td>4:10</td>
<td>Risk factors for chronic farms</td>
<td>Jeremy Pittman</td>
</tr>
<tr>
<td>4:35</td>
<td>Time to stability/negative</td>
<td>Dane Goede</td>
</tr>
<tr>
<td>5:00</td>
<td>Roundtable discussion</td>
<td>All speakers</td>
</tr>
<tr>
<td>5:30</td>
<td>Session concludes</td>
<td></td>
</tr>
</tbody>
</table>

---

### AASV AWARDS RECEPTION

**Sponsored by:** [ELANCO ANIMAL HEALTH](#)  
**Monday, March 2**  
**6:30 – 8:30 PM**  
**Empire Ballroom**
Monday Session #2

Animal Welfare

Date: Monday, March 2
Time: 2:00 – 5:30 PM
Location: Great Hall Center
Session chair: George Charbonneau

2:00  What’s coming down the pipe?
      Donald Lay

2:30  Canada’s new pig code
      Blaine Tully

2:45  AMDUCA and pain mitigation; What tools are available to veterinarians?
      Mike Apley

3:15  Meloxicam use in pain management
      Locke Karriker

3:30  BREAK
      Sponsored by CEVA ANIMAL HEALTH

4:00  Feeding sows in pens: Keeping it simple
      Chad Smith

4:15  Advantages and challenges of implementing electronic sow feeding (ESF)
      Thomas Parsons

4:30  Beta-agonists and animal welfare
      Jeremy Marchant-Forde

4:45  Feeding/nutrition interactions affecting aggression
      Jeremy Marchant-Forde

5:00  B.E.S.T.: Identifying the sick or compromised pig
      Madonna Benjamin

5:15  Caring for pigs in hospital pens
      Suzanne Millman

5:30  Session concludes
### Significant Swine Disease Topics

**Date:** Monday, March 2  
**Time:** 2:00 – 5:30 PM  
**Location:** Great Hall East/West  
**Session chair:** Mitch Christensen

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Description</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2:00</td>
<td>PCV2: Tools for assessing the subclinical impact</td>
<td>Kent Schwartz</td>
</tr>
<tr>
<td>2:30</td>
<td>Influenza A viruses in swine: Diversity, diagnostics and interpretation</td>
<td>Phil Gauger</td>
</tr>
<tr>
<td>3:00</td>
<td>Parainfluenza: Influenza-like syndromes</td>
<td>Kyoung-Jin Yoon</td>
</tr>
<tr>
<td>3:30</td>
<td>BREAK</td>
<td>Sponsored by CEVA ANIMAL HEALTH</td>
</tr>
<tr>
<td>4:00</td>
<td><em>Mycoplasma hyopneumoniae</em> elimination: Swine Vet Center experience</td>
<td>Paul Yeske</td>
</tr>
<tr>
<td>4:30</td>
<td>PRRS diagnostic trends: What changed with PRRS behavior?</td>
<td>Albert Rovira</td>
</tr>
<tr>
<td>5:00</td>
<td>PRRS update from North Carolina: Regional spread of 1-7-4 virus</td>
<td>Ashley Johnson</td>
</tr>
<tr>
<td>5:30</td>
<td>Session concludes</td>
<td></td>
</tr>
</tbody>
</table>

---

### AASV FOUNDATION AUCTION

**Monday, March 2**  
**Empire Ballroom**

**Silent Auction:** Bidding starts at noon  
**Live Auction:** Immediately following the AASV Awards Reception
Transboundary or FAD: What difference does it make?

Date: Tuesday, March 3  
Time: 8:00 AM – 12:00 PM  
Location: Great Hall North/Center  
Session chair: Ron Brodersen

8:00  Global effects of disease on world pork production  
      Patrick Webb

9:00  Emerging diseases: The past and the future  
      Robert Desrosiers

10:00  BREAK

10:30  Building on the Swine Futures Project: Detecting and responding to an emerging animal disease  
       Beth Lautner

11:00  Protecting ourselves: The Feed Safety Modernization Act  
       Henry Turlington

11:30  What veterinarians will do differently in the future  
       Max Rodibaugh

12:00  Session concludes

AASV BUSINESS BREAKFAST
Tuesday, March 3  
7:00 – 8:00 AM  
Scotland
Speakers

Matt Ackerman  Greensburg, IN
Keith Aljets    Williamsburg, IA
Carmen Alonso   St Paul, MN
Laura Amundson (Rortvedt) Madison, WI
Srivishnupriya Anbalagan Worthington, MN
Alyssa Anderson St Paul, MN
Michael Angelichio Westbrook, ME
Mike Apley      Manhattan, KS
Andrea Arruda   Guleph, ON
Paulo Arruda    Ames, IA
Hunter Baldry   St Paul, MN
Neal Bataller   Rockville, MD
Jessica Bates   Ames, IA
John Beller     Columbus, NE
Madonna Benjamin East Lansing, MI
Bernadetta Bernatowicz Jefferson Twp, PA
Mahesh Bhandari Ames, IA
Kayla Blake     Auburn, AL
Nola Bliss      Columbus, OH
R. Dean Boyd    Franklin, KY
Perle Boyer     Raleigh, NC
Daniel Boykin   Raleigh, NC
Daniel Breuer   Ames, IA
Egan Brockhoff  Red Deer, AB
Shamus Brown    Indianola, IA
Mike Brumm      North Mankato, MN
Randy Buddington Memphis, TN
Emily Byers     Warsaw, NC
Paisley Canning Ames, IA
Daniel Carreño  Raleigh, NC
Laura Carroll   Cary, NC
Mike Catangui   Sioux Falls, SD
Chris Chase     Brookings, SD
Qi Chen         Ames, IA
Jane Christopher-Hennings Brookings, SD
Travis Clement  Brookings, SD
Larry Coleman   Broken Bow, NE
Joseph Connor   Carthage, IL
Adam Copeland   College Station, TX
William M.T. Costa BRAZIL
Bobby Cowles    Ridgefield, WA
Kimberly Crawford Radcliffe, IA
Colleen Crozier Raleigh, NC
Matt Culbertson Hendersonville, TN
Speakers

Lindsay Daly
C. Scanlon Daniels
Ashley DeDecker
Scott Dee
Stephanie Derbawka
Robert Desrosiers
Andres Diaz
Natalie Didier
Donna Drebis
Steve Dritz
Paul Dubois
Luc Dufresne
Sarah Dunnigan
Alexa Edmunson
Mike Eisenmenger
Taylor Engle
Keith Erlandson
Bob Ewelsizer
Danielle Evenson
Eduardo Fano
Brittany Farron
Hanneke Feitsma
Corky Feuerbach
Charles Francisco
Monte Fuhrman
Hervé Gabillet
Nicholas Gabler
Marissa Garry
Daniel Gascho
Phil Gauger
Luis Gimenez-Lirola
Dane Goede
Marcio Goncalves
Laura Greiner
Cassy Griebel
Bernd Grosse Liesner
Dwaine Guggenbiller
Claus Hansen
Abbey Harding
Amanda Harris
Kristen Hayman
Dale Hendrickson
Dick Hesse
Derald Holtkamp

Ithaca, NY
Dalhart, TX
Rose Hill, NC
Pipestone, MN
Saskatoon, SK
St-Hyacinthe, QC
St Paul, MN
DeLand, IL
St Paul, MN
Manhattan, KS
Cameron, OK
Shawnee Mission, KS
Raleigh, NC
Columbus, OH
Windom, MN
Blacksburg, VA
Greensboro, NC
Fairmont, MN
Ames, IA
St Joseph, MO
Champaign, IL
Northfield, MN
Mason City, IA
Sheridan, IN
Canistota, SD
FRANCE
Ames, IA
St Paul, MN
West Lafayette, IN
Ames, IA
Ames, IA
St Paul, MN
Manhattan, KS
Carthage, IL
Falcon Heights, MN
St Joseph, MO
Columbus, OH
DENMARK
Collinsville, IL
Ames, IA
Farmland, IN
Manhattan, KS
Ames, IA
Speakers

Micah Jansen  Wheeler, IL
Amanda Jara  Athens, GA
Erin Jobman  Manhattan, KS
Alexandra John  Philadelphia, PA
Ashley Johnson  Raleigh, NC
Henry Johnson  Champaign, IL
Jessica Johnson  Roseville, MN
Michael Johnston  Sheridan, IN
Francois Joisel  FRANCE
Locke Karriker  Ames, IA
Mackenzie Kelling  Savoy, IL
Doug King  Florham Park, NJ
Rob Knox  Urbana, IL
Hans Koehnk  Jewell, IA
Darwin Kohler  Rochester, MN
John Kolb  Ames, IA
Jeff Kurt  Fairmont, MN
Kaushalya Kuruppu  Scarborough, ON
Kelly Lager  Colo, IA
Pete Lasley  Trenton, MO
Beth Lautner  Johnston, IA
Paulraj Lawrence  Worthington, MN
Donald Lay  West Lafayette, IN
Jamie Lehman  Sullivan, IL
Roxana Lelewski  Guelph, ON
Mike Lemmon  Albion, IN
Brad Leuwerke  Janesville, MN
Bob Chang Lin  Omaha, NE
Drew Magstadt  Ames, IA
Emily Mahan-Riggs  Angier, NC
Jeremy Marchant-Forde  West Lafayette, IN
Bret Marsh  Indianapolis, IN
Brigitte Mason  Savoy, IL
Marlena McCarty  Hadar, NE
Brittney McLamb  Raleigh, NC
Dan McManus  Dakota Dunes, SD
Suzanne Millman  Ames, IA
Adam Moeser  Raleigh, NC
Mark Mogler  Ames, IA
Chris Mowrer  Ames, IA
Deborah Murray  Jackson, MN
Bryan Myers  Farley, IA
Jacqueline Myers  Ames, IA
Axel Neubauer  St Joseph, MO
<table>
<thead>
<tr>
<th>Speakers</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heather Neureuther</td>
<td>Guelph, ON</td>
</tr>
<tr>
<td>Megan Niederwerder</td>
<td>Manhattan, KS</td>
</tr>
<tr>
<td>Mara Nix</td>
<td>Urbana, IL</td>
</tr>
<tr>
<td>Russ Nugent</td>
<td>Springdale, AR</td>
</tr>
<tr>
<td>Brett O’Brien</td>
<td>Mankato, MN</td>
</tr>
<tr>
<td>Kayla Ohrt</td>
<td>Ames, IA</td>
</tr>
<tr>
<td>Mary O’Loughlin</td>
<td>Ames, IA</td>
</tr>
<tr>
<td>Chris Olsen</td>
<td>Johnston, IA</td>
</tr>
<tr>
<td>Chelsea Onken</td>
<td>Ames, IA</td>
</tr>
<tr>
<td>Tanja Opriessnig</td>
<td>Ames, IA</td>
</tr>
<tr>
<td>Tom Parsons</td>
<td>Kennett Square, PA</td>
</tr>
<tr>
<td>Lynn Pavlovic</td>
<td>Harrisburg, PA</td>
</tr>
<tr>
<td>Brent Pepin</td>
<td>Postville, IA</td>
</tr>
<tr>
<td>Andres Perez</td>
<td>St Paul, MN</td>
</tr>
<tr>
<td>Brianna Peters</td>
<td>Knoxville, TN</td>
</tr>
<tr>
<td>Meghann Pierdon</td>
<td>Bainbridge, PA</td>
</tr>
<tr>
<td>Megan Pieters</td>
<td>Ames, IA</td>
</tr>
<tr>
<td>Juan Carlos Pinilla</td>
<td>Hendersonville, TN</td>
</tr>
<tr>
<td>Alain Pinton</td>
<td>Fairmont, MN</td>
</tr>
<tr>
<td>Andrea Pitkin</td>
<td>Wakefield, VA</td>
</tr>
<tr>
<td>Jeremy Pittman</td>
<td>Pipestone, MN</td>
</tr>
<tr>
<td>Gustavo Pizarro</td>
<td>Ankeny, IA</td>
</tr>
<tr>
<td>Dale Polson</td>
<td>Ames, IA</td>
</tr>
<tr>
<td>Korakrit Poonsuk</td>
<td>Monticello, IL</td>
</tr>
<tr>
<td>Sarah Probst Miller</td>
<td>Greenfield, IN</td>
</tr>
<tr>
<td>Chris Puls</td>
<td>Ames, IA</td>
</tr>
<tr>
<td>Scott Radke</td>
<td>Kalamazoo, MI</td>
</tr>
<tr>
<td>Vicki Rapp-Gabrielson</td>
<td>St Peter, MN</td>
</tr>
<tr>
<td>Darwin Reicks</td>
<td>Lauderdale, MN</td>
</tr>
<tr>
<td>Emily Renner</td>
<td>Ames, IA</td>
</tr>
<tr>
<td>Quinn Robinson</td>
<td>Ames, IA</td>
</tr>
<tr>
<td>Max Rodibaugh</td>
<td>Frankfort, IN</td>
</tr>
<tr>
<td>Kurt Rossow</td>
<td>St Paul, MN</td>
</tr>
<tr>
<td>Marissa Rotolo</td>
<td>Ames, IA</td>
</tr>
<tr>
<td>Albert Rovira</td>
<td>St Paul, MN</td>
</tr>
<tr>
<td>Larry Rueff</td>
<td>Greensburg, IN</td>
</tr>
<tr>
<td>Linda Saif</td>
<td>Wooster, OH</td>
</tr>
<tr>
<td>Fernando Sampedro</td>
<td>St Paul, MN</td>
</tr>
<tr>
<td>Elissa Schlueter</td>
<td>Carlyle, IL</td>
</tr>
<tr>
<td>Pete Schneider</td>
<td>Waterloo, IA</td>
</tr>
<tr>
<td>Jeff Schoening</td>
<td>Pocahontas, IA</td>
</tr>
<tr>
<td>Loni Schumacher</td>
<td>Manhattan, KS</td>
</tr>
<tr>
<td>Kent Schwartz</td>
<td>Ames, IA</td>
</tr>
<tr>
<td>Christopher Sievers</td>
<td>Ames, IA</td>
</tr>
</tbody>
</table>
Speakers

Randy Simonson
Chad Smith
Amy Sneed
Tim Snider
John Sonderman
Ran Song
John Sopronyi
Joseph Soto
Joel Sparks
Molly Stafne
Tom Stein
Greg Stevenson
Amy Sneed
John Sopronyi
Ran Song
Joseph Soto
Joel Sparks
Molly Stafne
Tom Stein
Greg Stevenson
Amber Stricker
Rob Stuart
Jisun Sun
Angela Supple
Christine Szablewski
Alyssa Taplett
Tyler Te Grotenhuis
Ryan Tenbergen
Brad Thacker
Joseph Thomas
Bob Thompson
Montse Torremorell
Jerry Torrison
Blaine Tully
Henry Turlington
Matthew Turner
Scott Unke
Jean-Pierre Vaillancourt
Eric van Esch
Frederic Vangroenweghe
Sarah Vitosh-Sillman
Jess Waddell
Liz Wagstrom
Patrick Webb
Leah Wilkinson
Todd Williams
Kathleen Wood
Joseph Yaros
Paul Yeske
Kyoung-Jin Yoon
Emily Zakrajsek
Jianqiang Zhang

Worthington, MN
Goldboro, NC
Savoy, IL
St Paul, MN
Columbus, NE
Mason City, IA
Jackson, NJ
San Antonio, TX
Ames, IA
Ames, IA
Burnsville, MN
Ames, IA
Albert Lea, MN
Bedford, TX
St Paul, MN
Hopkinton, IA
Hilliard, OH
Ames, IA
Ames, IA
Guelph, ON
Columbia, MD
Ames, IA
Franklin, KY
St Paul, MN
Eden Prairie, MN
Winnipeg, MB
Arlington, VA
Clinton, NC
Fairmont, MN
St-Hyacinthe, QC
THE NETHERLANDS
BELGIUM
Lincoln, NE
Sutton, NE
Washington, DC
Des Moines, IA
Arlington, VA
Ottumwa, IA
Raleigh, NC
Ithaca, NY
St Peter, MN
Ames, IA
Guelph, ON
Ames, IA
Saturday, February 28

7:00 AM
Registration Desk open
Location: Great Hall
Committee Meetings
Location: Events Center

7:30 AM
PRRS Risk Assessment Training (page 10)
Location: Captain (Lobby Level)

8:00 AM
ABVP Entrance Examination
Location: Emerald
ABVP Oral Examination
Location: Diamond

1:00 PM
SEMINARS
#1 Beyond Our Oath: Primum non nocere and other excellent tips, tricks and shortcuts (page 12)
Location: Ireland B

#2 Coronavirus Diagnostics and Surveillance (page 14)
Location: Scotland B

#3 Sow Reproduction: Achieving and expanding the high-producing heat (page 15)
Location: Ireland A

#4 Practical Interventions that Impact Swine Housing (page 16)
Location: Scotland A

#5 Growing Pig Lameness: An emerging syndrome (page 17)
Location: Scotland C

#6 Public Policy, Pigs, and FDA: Why you should care (page 18)
Location: Ireland C

5:00 PM
OPEN EVENING
There is no reception scheduled for Saturday evening. Enjoy Orlando!
Sunday, March 1

6:30 AM
AASV Student Breakfast
Location: Great Hall East

7:00 AM
Praise Breakfast (page 20)
Sponsored by: STUART PRODUCTS
Location: Great Hall Center
Registration Desk open
Location: Great Hall

8:00 AM
Canadian Swine Veterinarians
Location: Cambridge (Lobby Level)

SEMINARS

#7 Piglet Diarrhea (page 21)
Location: Ireland B

#8 Biosecurity: Bridging the gap between science and compliance (page 22)
Location: Scotland B

#9 Nutrition and Feeding in the Era of PED Virus (page 23)
Location: Scotland A

#10 Swine Medicine for Students (page 24)
Location: Ireland A

#11 Boar Stud Health, Biosecurity, and Technology (page 25)
Location: Scotland C

RESEARCH TOPICS (page 26)
Location: England
12:00 PM

POSTER SESSION OPEN
Authors in attendance: 12:00 – 1:00 PM
Location: Events Center

Veterinary Student Posters (page 36)
Sponsored by ZOETIS

Research Topics Posters (page 41)

Industrial Partners Posters (page 43)

AASV FOUNDATION LUNCHEON
(Advance registration required)
Location: Ireland C

1:00 PM

CONCURRENT SESSIONS

#1 Student Seminar (page 28)
Sponsored by ZOETIS
Location: Great Hall North

#2 Industrial Partners (page 30)
Location: Great Hall Center

#3 Industrial Partners (page 32)
Location: Great Hall East/West

#4 Industrial Partners (page 34)
Location: England

6:30 PM – 8:30 PM

WELCOME RECEPTION
Sponsored by ZOETIS
Location: Scotland/England

8:30 PM – 11:00 PM

STUDENT RECEPTION
Sponsored by MERCK ANIMAL HEALTH
Location: Great Hall North
Monday, March 2

7:00 AM
Registration Desk open
Location: Great Hall

Spouse Hospitality Suite open (page 46)
Location: Veranda (Lobby Level)

8:00 AM – 12:30 PM
GENERAL SESSION: Beyond Our Oath: Integrity, Intensity, Professionalism (page 48)
Location: Great Hall East/West

Howard Dunne Memorial Lecture: Dr. Greg Stevenson
“Because it’s the right thing to do”

Alex Hogg Memorial Lecture: Dr. C. Scanlon Daniels
“Influence and advocacy: Opportunities for swine veterinarians”

9:00 AM – 5:00 PM
COMMERCIAL TECHNICAL TABLES (page 8)
Location: Events Center

12:30 PM
LUNCHEON
Sponsored by BOEHRINGER INGELHEIM VETMEDICA INC.
Location: Empire Ballroom

2:00 – 5:30 PM
CONCURRENT SESSIONS

#1 Managing Enteric Coronaviruses at the Farm Level (page 49)
Location: Great Hall North

#2 Animal Welfare (page 50)
Location: Great Hall Center

#3 Significant Swine Disease Topics (page 51)
Location: Great Hall East/West

6:30 PM – 8:30 PM
AASV AWARDS RECEPTION
Sponsored by ELANCO ANIMAL HEALTH
Location: Empire Ballroom

AASV FOUNDATION AUCTION (page 47)
Empire Ballroom
Tuesday, March 3

7:00 AM
Registration Desk open
Location: Great Hall

BREAKFAST and AASV ANNUAL BUSINESS MEETING
Location: Scotland

8:00 AM – 12:00 PM
GENERAL SESSION
Transboundary or FAD: What difference does it make?
(page 52)
Location: Great Hall North/Center

8:00 AM – 12:00 PM
COMMERCIAL TECHNICAL TABLES (page 8)
Location: Events Center

12:00 PM
MEETING CONCLUDES

Thank you to ALL of the companies, organizations, and members 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 provide high quality educational programming at a reasonable cost to AASV members.
Plan now to attend the
AASV 47TH Annual Meeting
February 27 - March 1, 2016
Hyatt Regency New Orleans
NEW ORLEANS, LOUISIANA

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

**BOEHRINGER INGELHEIM VETMEDICA, INC**
AASV Luncheon

**CEVA ANIMAL HEALTH**
Refreshment Break Sponsor

**ELANCO ANIMAL HEALTH**
AASV Awards Reception
AASV Foundation Veterinary Student Scholarships

**GLOBALVETLINK**
Internet Kiosk

**HARRISVACCINES**
Refreshment Break Sponsor

**HOG SLAT**
Refreshment Break Co-sponsor

**MERIAL**
Refreshment Break Sponsor

**MERCK ANIMAL HEALTH**
Student Reception

**NEWPORT LABORATORIES**
Veterinary Student Travel Stipends
Veterinary Student Poster Awards
Refreshment Break Sponsor

**STUART PRODUCTS**
Praise Breakfast

**ZOETIS**
Welcome Reception
AASV Student Seminar and Student Poster Session
AASV Foundation Veterinary Student Scholarships

Beyond Our Oath:
*Integrity, Intensity, Professionalism*

February 28 - March 3, 2015
Orlando, Florida
Plan now to attend the
AASV 47TH Annual Meeting
February 27 - March 1, 2016
Hyatt Regency New Orleans
NEW ORLEANS, LOUISIANA

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

BOEHRINGER INGELHEIM VETMEDICA, INC
AASV Luncheon

CEVA ANIMAL HEALTH
Refreshment Break Sponsor

ELANCO ANIMAL HEALTH
AASV Awards Reception
AASV Foundation Veterinary Student Scholarships

GLOBALVETLINK
Internet Kiosk

HARRISVACCINES
Refreshment Break Sponsor

HOG SLAT
Refreshment Break Co-sponsor

MERIAL
Refreshment Break Sponsor

MERCK ANIMAL HEALTH
Student Reception

NEWPORT LABORATORIES
Veterinary Student Travel Stipends
Veterinary Student Poster Awards
Refreshment Break Sponsor

STUART PRODUCTS
Praise Breakfast

ZOETIS
Welcome Reception
AASV Student Seminar and Student Poster Session
AASV Foundation Veterinary Student Scholarships

Beyond Our Oath:
Integrity, Intensity, Professionalism

February 28 - March 3, 2015
Orlando, Florida