

56th AASV Annual Meeting

March 1-4, 2025
San Francisco, California



aasv.org/annmtg

Welcome to the 2025 AASV Annual Meeting!



San Francisco, California is a great place to remind ourselves and the world that we are uniquely qualified to “Be the Pig’s Champion!” The preparation leading up to this meeting has renewed discussion of the importance of our annual meeting to the health of the association and our commitment to improving our practice of veterinary medicine. I sincerely appreciate the effort and commitment of the

Program Committee to build an agenda that continues our pursuit of quality science while embracing new topics that reflect our changing world. You’ll find a nice blend of the highly valued, population science-based sessions of past meetings and a mix of new topics that reflect our changing practice environment.

Practice Tips, Research Topics, Student Seminar presentations, and a whole track on PEDV elimination will emphasize our commitment to evidence-based medicine. New this year are sessions that focus on individual pig medicine (Pig 101 on Pig One-on-One) and the incorporation of artificial intelligence (ChatPIG) into practice. These sessions will put new skills in your toolbox.

Monday’s general session will kick off with Dr. Clayton Johnson and “The Challenges and Opportunities of Becoming the Pig’s Champion” at the Howard Dunne Memorial Lecture. In the Alex Hogg Memorial Lecture, Dr. Cara Haden will present “Who Gets to be the Pig’s Champion” and challenge us to expand our communication skills to reach each other, our clients, and consumers.

In her message for the 55th Annual Meeting in Nashville, Dr. Angela Baysinger described the start of her “service journey” and thanked her mentors for encouraging her to join AASV committees to get started. Along that service journey, she mentored many of us in the same way. To honor that legacy, Dr. Anna Johnson has assembled an all-star team of Angela’s collaborators, colleagues, friends, and mentees, many of whom carry all of those labels proudly. Dr. Johnson will bring that collective experience to the first Angela Baysinger Memorial Lecture: “Advancing Pig Welfare Together: Standing on the Shoulders of Angela.” If you need an inspirational reminder of why we do what we do or an excellent example to follow into the future, be at that lecture.

The breakout sessions on Monday include a track on PEDV elimination co-chaired by Drs. Marisa Rotolo and Paul Yeske that describes international elimination efforts and compares elimination protocols for PRRS and *Mycoplasma hyopneumoniae*. Relevant case studies on the impact of transport and a Q&A panel with Drs. Mary Battrell, Darin Madson, Jon Tangen, and Pete Thomas will give you access to valuable, hard-won experience.

Monday has an offering for biomedical, show pig, pet pig and niche production practice. Dr. Megan Hindman's program explores pharmacology at the individual pig level, how to navigate individual pig treatment advice, the challenges of caring for swine in biomedical research, and how to succeed in production environments that restrict the traditional tools to manage disease. Drs. Joe Smith, Caitlin Vonderohe, Pete Schneider, and Trevor Schwartz will field questions in the final portion of the session.

In the Global Hot Topics session, Dr. Perle Zhitnitskiy has assembled speakers from around the world to address the impact and control of ASF in Poland, the Philippines, and Germany. Dr. Vincent ter Beek will review European swine production and Dr. LeeAnn Peters will unlock secrets of *Streptococcus zooepidemicus*. Dr. Glauber Machado will present future strategies in the Brazilian swine industry. When you make your travel plans, keep the Tuesday general session, Influenza Insights, in your plans. Highly pathogenic avian influenza H5N1 has been detected in swine and related strains are spreading in dairy cattle. Dr. Gauger will discuss human spillover cases, Dr. Torremorell will describe the role of fomites in spread, Dr. Bowman will share best practices for control, and Dr. Daniels will challenge our readiness for H5N1. Dr. Rebecca Robbins has recruited Drs. Culhane and Mahan-Riggs to help us select influenza strains for system-specific vaccines. Drs. Hause and Mogler will field questions on how herd-specific vaccines are produced and how to improve the odds of success using them.

Catching up with friends and colleagues is a critical part of the meeting for most of us. Why not plan to meet at the AASV Foundation's auction display to bid on some cool merchandise or at the Technical Tables exhibit hall? If you'd like some reassurance of our border protections, catch the Special Session: Beagles and Bagels at 6:30am on Monday. If you'd like some reassurance that the future of our profession is in good hands, make sure to attend the AASV-AASV Foundation Luncheon on Monday where you can watch amazing students and practitioners pick up scholarships and awards.

Welcome to San Francisco; I hope your meeting is useful and memorable and I appreciate your attendance!

Locke Karriker, Program Chair

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SCHEDULE AT A GLANCE

Saturday, March 1

7:00 AM

Registration Desk open until 5:00 PM

Yerba Buena Level B3

AASV Committee Meetings (page 13)

Yerba Buena Level B3

1:00 PM

PRECONFERENCE SEMINARS (*additional fees apply*)

Yerba Buena Level B3

#1 Max Rodibaugh Memorial Practice Tips Seminar

(page 14)

Salon 1-2

#2 Boar Stud Issues (page 16)

Salon 3-4

#3 Transforming the Pork Industry: Optimizing the pork chain from farm to fork (page 18)

Salon 5-6

#4 Being the Pig's Champion: Assessing, addressing, and reflecting on current issues in swine welfare

(page 20)

Salon 10-11

#5 ChatPIG (page 21)

Salon 12-13

5:00 PM

OPEN EVENING

6:00 PM – 8:00 PM

Veterinary Student Trivia Event (page 53)

Sponsored by: **MERCK ANIMAL HEALTH**

Foothill G (Marriott, 2nd floor)

SCHEDULE AT A GLANCE

Sunday, March 2

6:30 AM

AASV STUDENT BREAKFAST

Golden Gate C3

7:00 AM

PRAISE BREAKFAST

Co-sponsored by: **STUART PRODUCTS** and
the **AASV FOUNDATION**

Golden Gate C1-2

Registration Desk open until 5:00 PM

Yerba Buena Level B3

8:00 AM

PRECONFERENCE SEMINARS *(additional fees apply)*

Yerba Buena Level B3

#6 Biosecurity (page 22)

Salon 1-2

#7 Swine Lameness (page 24)

Salon 3-4

**#8 Early Career Development Program: Be the pig's
champion with effective herd visits** (page 25)

Salon 5-6

#9 NPPC Public Policy and Advocacy Update (page 26)

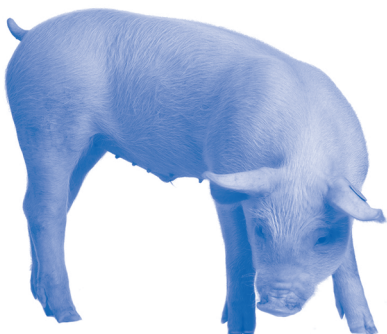
Salon 10-11

#10 Swine Medicine for Students (page 27)

Salon 12-13

RESEARCH TOPICS (page 28)

Salon 7



SCHEDULE AT A GLANCE

Sunday, March 2

12:00 PM

POSTER SESSION OPEN

Authors in attendance: 12:00 – 1:00 PM

Salon 9

- **Veterinary Student Posters** (page 38)
Funded by the **ZOETIS FOUNDATION**
- **Research Topics Posters** (page 41)
- **Industrial Partners Posters** (page 44)

1:00 PM

CONCURRENT SESSIONS

#1 Student Seminar (page 30)

Funded by the **ZOETIS FOUNDATION**

Salon 7

#2 Industrial Partners (page 32)

Salon 8

#3 Industrial Partners (page 34)

Salon 1-6

#4 Industrial Partners (page 36)

Salon 10-15

8:30 – 11:45 PM

STUDENT RECEPTION (page 54)

Sponsored by **MERCK ANIMAL HEALTH**

Golden Gate A-B

Security Message

If a person or group attempts to disrupt the meeting, report their activities immediately to hotel security personnel or an AASV staff member.

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Do not engage or incite anyone exhibiting disruptive behavior.



SCHEDULE AT A GLANCE

Monday, March 3

6:30 AM

SPECIAL SESSION: Beagles and Bagels (page 46)

Salon 3-6

7:00 AM

Registration Desk open until 5:00 PM

Yerba Buena Level B3

8:00 AM – 12:30 PM

GENERAL SESSION: Be the Pig's Champion (page 47)

Salon 7-8

Howard Dunne Memorial Lecture:

The challenges and opportunities of becoming the pig's champion

Dr. Clayton Johnson

Alex Hogg Memorial Lecture:

Who gets to be the pig's champion?

Dr. Cara Haden

Earning the role of the pig's champion

Dr. Daryl Olsen

Angela Baysinger Memorial Lecture:

Advancing pig welfare together: Standing on the shoulders of Angela

Dr. Anna Johnson

9:00 AM – 5:00 PM

TECHNICAL TABLES EXHIBIT OPEN (pages 58-60)

Salon 9-15

12:30 PM

AASV-AASVF LUNCHEON (page 55)

Co-sponsored by **AASV** and the **AASV FOUNDATION**

Golden Gate A-B

SCHEDULE AT A GLANCE

Monday, March 3

2:00 – 5:30 PM

CONCURRENT SESSIONS

#1 PEDV Elimination (page 48)

Salon 7

#2 Pig 101 on Pig One-on-One (page 49)

Salon 1-6

#3 Global Hot Topics (page 50)

Salon 8

6:30 – 9:00 PM

AASV AWARDS RECEPTION (page 55)

Co-sponsored by **AASV** and **MERCK ANIMAL HEALTH**

Golden Gate A-B

7:00 PM

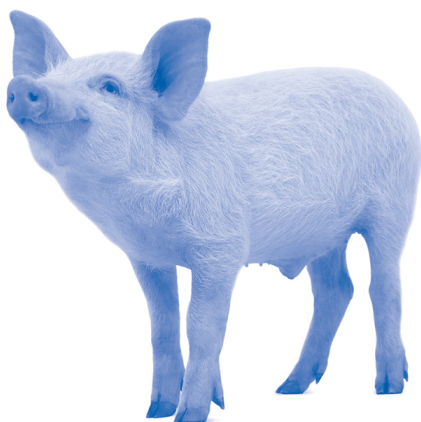
AASV FOUNDATION SILENT AUCTION CLOSES

View items and bid at <https://aasvf.cbo.io>

8:30 PM (approx)

AASV FOUNDATION LIVE AUCTION (page 57)

Golden Gate A-B



SCHEDULE AT A GLANCE

Tuesday, March 4

7:00 AM

Registration Desk open

Yerba Buena Level B3

BREAKFAST and AASV ANNUAL BUSINESS MEETING

Salon 8

8:00 AM

GENERAL SESSION: Influenza Insights (page 51)

Salon 7

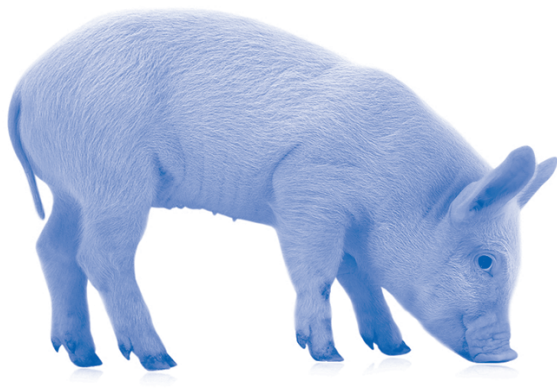
8:00 AM – 12:00 PM

TECHNICAL TABLES EXHIBIT OPEN (pages 58-60)

Salon 9-15

12:00 PM

MEETING CONCLUDES



MOBILE APP & PROCEEDINGS

MOBILE APP

Keep track of when and where you need to be with the free AASV mobile conference app! Use it to create your personal schedule and “to do” list. It contains the most up-to-date schedule, speaker and exhibitor details, maps of the meeting rooms, and links to proceedings papers. The app is available for download to iOS and Android devices by using the code provided in your registration packet.

PROCEEDINGS

AASV members and conference attendees may download all proceedings papers (including preconference seminar papers) from the AASV website prior to and during the meeting.

For more information:
aasv.org/annmtg



CONTINUING EDUCATION

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 (includes Research Topics session OR Sunday pre-conference seminar). Four (4) additional credit hours are available for attendance at a Saturday pre-conference seminar.

PROGRAM COMMITTEE

Locke Karriker, Program Chair

Katie Beckman

Kayla Blake

Daniel Brown

Brandi Burton

Dyneah Classen

Jamee Eggers

Keith Erlandson

Megan Hindman

Bill Hollis

Deborah Murray

Megan Nickel

Monique Pairis-Garcia

Brent Pepin

Rebecca Robbins

Jessica Seate

Brent Sexton

Perle Zhitnitskiy

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District 6 (IA)

Dr. Chris Rademacher

Student Delegate

Mallory Wilhelm,
Iowa State University

Alternate Student Delegate

Molly Jones, *North Carolina State University*

COMMITTEE MEETINGS

Date: Saturday, March 1

Location: Yerba Buena Level B3

See room assignments below; map on inside back cover.

Any AASV member or student member may attend the committee meetings; however, only committee members are eligible to vote. For information on committee activities or to join a committee, see aasv.org/committees/.

7:30 – 9:30 AM	Meeting room
Boar Stud	Salon 5-6
Influenza	Salon 1-2
Nutrition	Salon 10-11
Pork Safety	Nob Hill C
PRRS	Salon 12-13
Transboundary/Emerging Diseases	Salon 3-4

7:30 AM – 12:00 PM	Meeting room
Pharmaceutical and Biologics	Salon 14-15

10:00 AM – 12:00 PM	Meeting room
Communications	Salon 10-11
Diversity, Equity, and Inclusion	Salon 5-6
Early Career	Salon 12-13
Human Health, Safety, and Well-being	Nob Hill C
Pig Welfare	Salon 3-4
Student Engagement	Salon 1-2

SATURDAY SEMINAR 1

Practice Tips

Max Rodibaugh Memorial Practice Tips

Date: Saturday, March 1

Time: 1:00 – 5:00 PM

Location: Salon 1-2

Fee: \$110

Seminar chair: Jessica Risser and Melissa Billing

Are you looking for ideas that you can take home and implement today? Don't miss this TED-talk-like seminar where AASV members offer their valuable insights and best advice that can be used immediately! These talks will feature innovative solutions to everyday problems.

- 1:00** Introduction
Jessica Risser
- 1:10** Reducing sow mortality: One pelvic organ prolapse (POP) at a time
Lauren Glowzenski
- 1:30** Having a BLAST with PRRSV sequences: How you can compare two sequences on your own quickly and easily
Neal Benjamin
- 1:50** Clinical evaluations of and managing swine dysentery and other grow-finish enteric diseases
Mark Hammer
- 2:10** He said, she said: Using immunology to uncover the truth
Tori Novak
- 2:30** Beyond the SOP: New perspectives on piglet euthanasia
Brooke Kitting
- 2:50** **REFRESHMENT BREAK**
Co-sponsored by **USDA APHIS - Protect Our Pigs**
- 3:15** Effective vet-to-vet consultations
Brian Cerrito
-

SATURDAY SEMINAR 1

Practice Tips

- 3:35** "AnOtter" app for notes on the go
Amanda Reeve
- 3:55** Epidurals and anesthesia: Don't fear,
I'll make it clear
Aaron Slater
- 4:15** Blood collection from sows without a snare
Robyn Fleck
- 4:35** Watch the sneezing and wheezing go away
Evan Koep
- 5:00** Seminar concludes

SATURDAY SEMINAR 2

Boar Stud Issues

Boar Stud Issues

Date: Saturday, March 1

Time: 1:00 – 5:00 PM

Location: Salon 3-4

Fee: \$110

Seminar co-chairs: Kayla Blake and Megan Hood

The focus of this seminar is to provide attendees with practical information on the boar stud industry. It will address the ever-continuing issues of bacterial contamination and lameness along with a variety of other important topics.

The seminar will begin with an overview of semen traceability and where we are as an industry. In the spirit of the theme “Be the Pig’s Champion,” we will expand our knowledge and learn about boar studs in the show pig industry. Next, a series of presentations on semen contamination will include a current overview of reprotoxins and spermatotoxins, a field case of bacterial contamination, and a closer look at *Ralstonia pickettii* in a boar stud setting, followed by a panel discussion.

After the refreshment break, attendees will receive tips from diagnosticians on sampling boars and performing post-mortem lameness exams, followed by advice on how to improve animal welfare and staff safety when building or updating boar stud facilities. The seminar will conclude with presentations on managing boar lameness and feeding.

The information presented in this seminar will be valuable not only for practitioners who routinely work with boar studs, but also for those with sow farm clients, as these topics have impacts on downstream production.

SATURDAY SEMINAR 2

Boar Stud Issues

- 1:00** Semen traceability: Where are we at?
Doug Groth
- 1:15** Dollars and “sense” of show pig boar studs
Daniel Hendrickson
- 1:30** Reprotoxins and spermatotoxins
Gary Althouse
- 1:50** Unveiling the unseen: Bacterial contamination in a boar stud (field case)
Kayla Blake
- 2:05** Understanding *Ralstonia pickettii* in the boar stud
Megan Hood
- 2:20** Semen contamination panel discussion
Gary Althouse, Kayla Blake, Megan Hood
- 2:45** **REFRESHMENT BREAK**
Co-sponsored by **USDA APHIS - Protect Our Pigs**
- 3:15** Diagnostic sampling in boars
Darin Madson
- 3:35** Postmortem lameness exam
Stephanie Rossow
- 4:00** Building/updating the boar stud to improve animal welfare and staff safety
Darwin Reicks
- 4:20** Management of lameness in the boar stud
Megan Hood
- 4:40** Boar feeding management
Steve Dritz
- 5:00** Seminar concludes

SATURDAY SEMINAR 3

Pork Safety

Transforming the Pork Industry: Optimizing the pork chain from farm to fork

Date: Saturday, March 1

Time: 1:00 – 5:00 PM

Location: Salon 5-6

Fee: \$110

Seminar co-chairs: Jessica Seate and Rebecca Robbins

Join us as we delve into the multifaceted approaches that ensure pork products are safe from farm to fork. This dynamic seminar is designed for practitioners who are passionate about making a tangible impact on food safety and quality.

The seminar offers:

- **Latest innovations:** Learn about cutting-edge methods and technologies enhancing pork safety
- **Comprehensive coverage:** Understand the entire safety chain, from processing to distribution
- **Practical takeaways:** Get actionable strategies and best practices to implement immediately
- **Expert insights:** Gain knowledge from leading food safety authorities and industry experts

Don't miss this opportunity to be at the forefront of pork safety innovation and innovative post-harvest approaches. Join us and take the first step towards ensuring the highest standards of safety and quality in your pork products. Register now and be part of the change that safeguards our food chain!

SATURDAY SEMINAR 3

Pork Safety

- 1:00** Proposition 12 and the turbulent California pork market
Michael Lau
- 1:30** The hidden secret of collaborating with your packer
Grace Houston
- 2:00** Extracting the value of lung reviews as a tool to control respiratory problems in swine
Edgar Diaz Estrada
- 2:30** Harnessing slaughter plant data to optimize health decisions in pig production
Felipe Bedoya López
- 3:00** **REFRESHMENT BREAK**
Co-sponsored by **USDA APHIS - Protect Our Pigs**
- 3:20** USDA FSIS *Salmonella* framework: Poultry industry perspective
Elizabeth Krushinskie
- 3:40** Self-administration of vaccines by domestic pigs to improve biosecurity
John McGlone
- 4:00** Use of vaccination as a tool to reduce *Salmonella* levels at slaughter under field conditions
Fernando Leite
- 4:20** Surveillance for *Trichinella* infection in PQA Plus pigs documents absence of risk consistent with international food safety standards
Ray Gamble
- 4:40** Updates on veterinary inquiry metrics to FARAD, withdrawal interval (WDI) determination, and estimating WDIs for foreign export
Ronald Baynes
- 5:00** Seminar concludes

SATURDAY SEMINAR 4

Pig Welfare

Being the Pig's Champion: Assessing, addressing, and reflecting on current issues in swine welfare

Date: Saturday, March 1

Time: 1:00 – 5:00 PM

Location: Salon 10-11

Fee: \$110

Seminar chair: Monique Pairis-Garcia

The objective of this seminar is to identify tools and practical approaches for discussing pig welfare issues within the community, on the farm, and with the public. The seminar will bring real-world scenarios to life and allow participants to learn from experienced veterinarians and professionals in the field how to address, reflect, and assess current welfare issues. It will conclude with an interactive case study approach where participants will work together in groups to address a pig welfare issue and receive feedback from speakers participating in the seminar.

- 1:00** Current issues and the future direction of pig welfare in the United States
Monique Pairis-Garcia
- 1:30** Effectively communicating and championing pig welfare to the general public and law enforcement
Cindy Cunningham
- 2:15** Effectively communicating and championing pig welfare on the farm
Mary Battrell
- 2:45** **REFRESHMENT BREAK**
Co-sponsored by **USDA APHIS - Protect Our Pigs**
- 3:15** Evaluating and addressing pig welfare concerns using an objective lens
Mallory Yake-Strickland
- 4:00** Lights, camera, action! Pig welfare under the microscope. A facilitated and interactive pig welfare scenario
Monique Pairis-Garcia, Cindy Cunningham, Mary Battrell, Mallory Yake-Strickland
- 5:00** Seminar concludes
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SATURDAY SEMINAR 5

ChatPIG

ChatPIG

Date: Saturday, March 1

Time: 1:00 – 5:00 PM

Location: Salon 12-13

Fee: \$110

Seminar co-chairs: Brent Sexton and Brandi Burton

This seminar will focus on what artificial intelligence (AI) is, its capabilities, how we are or can use it today in everyday operations, and where it is going for future use. The speakers in this seminar will cover a wide variety of topics and help those who attend understand how they can take this information back home and implement it immediately. While we're in the heart of Silicon Valley and the tech capital of the world, there is no better time to learn about AI and technology's role in the swine industry!

- 1:00** Is artificial intelligence taking my job?
Jim Lowe
- 1:25** From chats to charts: How GenAI transforms communication into actionable data
Amos Petersen
- 2:00** Hog hacker: Artificial intelligence's role in predicting and preventing microbial infections
Kyle Leistikow
- 2:25** Artificial intelligence question and answer panel
Jim Lowe, Amos Petersen, Kyle Leistikow
- 2:45** **REFRESHMENT BREAK**
Co-sponsored by **USDA APHIS - Protect Our Pigs**
- 3:15** Artificial intelligence in swine practice: Enhancing care, reducing burden
Ben Blair
- 3:50** Revolutionizing swine health management: Harnessing artificial intelligence with EveryPig
Nathan Schaefer
- 4:15** Capabilities and limitations of telemedicine in swine
Meredith Petersen
- 4:40** Artificial intelligence question and answer panel
Ben Blair, Nathan Schaefer, Meredith Petersen
- 5:00** Seminar concludes
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SUNDAY SEMINAR 6

Biosecurity

Biosecurity

Date: Sunday, March 2

Time: 8:00 AM – 12:00 PM

Location: Salon 1-2

Fee: \$110

Seminar chair: Derald Holtkamp and Kate Dion

This seminar brings new perspectives on how to help producers improve biosecurity in the pork industry. The last four decades have witnessed a revolution in the way pigs are produced that has increased the consequences of outbreaks and created extraordinary challenges for preventing the introduction of pathogens into herds. With African swine fever virus knocking on our door, the importance of improving biosecurity has never been higher. Despite a large investment in time and money in biosecurity, the pork industry still struggles to reduce the frequency of outbreaks in sow herds and the lateral introduction of endemic pathogens into groups of growing pigs. The aim of this seminar is to introduce alternative perspectives and novel approaches for veterinarians to help producers improve biosecurity and make sustainable progress.

- 8:00** Welcome
- 8:05** Update on the SHIC-funded Standardized Outbreak Investigation Program (SOIP)
Derald Holtkamp
- 8:25** Lessons learned from outbreak investigations
Rebecca Robbins
- 8:45** Barn cleanup for disease elimination:
Hospital clean
Alex Umbaugh
- 9:05** Factors affecting lateral introduction of PRRSV and coronaviruses in growing pigs
Kate Dion
- 9:25** Biosecurity question and answer panel
Derald Holtkamp, Rebecca Robbins, Alex Umbaugh, Kate Dion
- 9:40** REFRESHMENT BREAK

SUNDAY SEMINAR 6

Biosecurity

- 10:10** Livestock transport biosecurity:
A Manitoba perspective
Karine Talbot
- 10:30** Design and execution of staged loading
Nicholas Bengé
- 10:50** The many layers of farm entry biosecurity
Chris Sievers
- 11:10** Factors affecting whether wean-to-market
caretakers comply with biosecurity procedures:
A survey of motivation, resources, and job demands
Joshua Holtkamp
- 11:25** Responding to the threat of highly pathogenic
avian influenza: Wildlife biosecurity assessments
and mitigation
David Marks
- 11:45** Biosecurity question and answer panel
**Karine Talbot, Nicholas Bengé, Chris Sievers,
Joshua Holtkamp, David Marks**
- 12:00** Seminar concludes

SUNDAY SEMINAR 7

Swine Lameness

Swine Lameness

Date: Sunday, March 2

Time: 8:00 AM – 12:00 PM

Location: Salon 3-4

Fee: \$110

Seminar co-chairs: Meghann Pierdon and Jamee Eggers

From sample collection to common causes, this seminar will cover hot topics in swine lameness. Speakers in this session will cover everything from diagnostics to nutrition and approaches on the farm. Whether you work with sows, boars, finishing pigs, or all of the above, if you want to learn more about lameness, this seminar has something for you!

8:00 Utilizing CT technology to reduce lameness
Maryn Ptaschinski

8:35 On-farm experiences with sow lameness
Chris Sievers

9:10 Nutritional perspective on swine lameness
Jordan Gebhardt

9:45 **REFRESHMENT BREAK**

10:15 *Mycoplasma hyosynoviae*: What we know
(and mostly what we don't know)
Maria Pieters

10:50 Swine lameness at the diagnostic laboratory
Rachel Derscheid

11:25 Gross pathology and histopathology in lame pigs
Meghann Pierdon

12:00 Seminar concludes

SUNDAY SEMINAR 8

Effective Herd Visits

Early Career Development Program: Be the pig's champion with effective herd visits

Date: Sunday, March 2

Time: 8:00 AM – 12:00 PM

Location: Salon 5-6

Fee: \$110

Seminar chair: Clayton Johnson

Co-sponsored by USDA-NIFA-VSGP

The seminar will review specific strategies to optimize the value of veterinary visits to pig farms. Specifically, we will review the pre-work visit process, executing visit observations, developing and negotiating health action plans, and follow-up communication strategies to ensure your visits create value for all stakeholders. Given that teaching is a critical component to many farm visits, we'll explore the most effective teaching tools for farm employees. The Adult Learning Model and Situational Leadership will be explored with specific strategies covered to ensure that your training is effective and results in optimal health management implemented by farm employees following your visit.

- 8:00** Welcome, introduction, and agenda overview
Clayton Johnson
- 8:10** Visit pre-work
Joe Connor
- 9:00** Executing a successful herd visit
Attila Farkas
- 9:45** **REFRESHMENT BREAK**
- 10:15** Developing and negotiating health action plans
Deanne Hemker
- 11:00** The Adult Learning Model and Situational Leadership
Scott Stehlik
- 11:30** Question and answer panel
Joe Connor, Attila Farkas, Deanne Hemker, Scott Stehlik
- 12:00** Seminar concludes
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SUNDAY SEMINAR 9

Public Policy and Advocacy

NPPC Public Policy and Advocacy Update

Date: Sunday, March 2

Time: 8:00 AM – 12:00 noon

Location: Salon 10-11

Fee: \$110

Seminar chair: Anna Forseth

For several years, the National Pork Producers Council has successfully engaged with AASV members participating in the Swine Veterinarian Public Policy and Advocacy Program, covering policy issues impacting the swine industry. Through this AASV seminar, NPPC hopes to expose a broader audience of swine veterinarians to current topics and discuss opportunities to be involved. Whether our activities are focused on welfare, food safety, public health, international markets, business continuity, or foreign swine disease prevention, veterinarians have a very important voice.

- 8:00** Welcome and introduction
- 8:05** Policy in the swine industry: Why, how, when
Matt Grill
- 8:35** The farm bill and swine health
Matt Grill
- 8:50** California Proposition 12: Navigating certification in swine production
Jamee Eggers
- 9:15** 2025 state legislative issues
Drew Beardslee and Seth Krantz
- 9:45** **REFRESHMENT BREAK**
- 10:15** Antibiotic policy update
Ashley Johnson
- 10:35** Swine health and trade
Maria Zieba
- 11:10** African swine fever update
Anna Forseth
- 11:25** World Organization for Animal Health: Why we engage
Marie Bucko
- 11:45** A veterinarian's role in policy
Jeremy Pittman
- 12:00** Seminar concludes
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SUNDAY SEMINAR 10

Swine Medicine for Students

Swine Medicine for Students

Date: Sunday, March 2

Time: 8:00 AM – 12:00 PM

Location: Salon 12-13

Fee: \$110

Seminar co-chairs: Kimberlee Baker and Brandi Burton

Join us for an engaging seminar tailored especially for veterinary students who are eager to explore a career in swine medicine. The seminar will kick off with a question-and-answer panel featuring four exceptional swine veterinarians who will share their insights into the realities of early-career swine veterinary practice. Attendees will have the opportunity to ask questions, hear about day-to-day challenges and successes, and gain a deeper understanding of what it takes to thrive in this specialized field.

Next, attendees will learn effective vet-to-vet communication techniques essential for collaboration and consultation in real-world veterinary practice. Then the seminar will delve into interactive case studies designed to enhance clinical skills. Participants will work through realistic scenarios, practicing clinical reasoning and developing treatment strategies under the guidance of seasoned swine vets.

This seminar aims to prepare attendees for the practical aspects of a swine veterinary career, ensuring that they leave with both knowledge and confidence.

- 8:00** Introductions and review of early-career veterinary statistics
- 8:15** Behind the barn doors: The real life of a swine vet (panel)
Brianna Fredrich: Technical services
Amanda Reeve: Consulting/private practice
Chelsea Stewart: Mixed-animal practice and production system
Evan Koep: Consulting/private practice/international work
- 9:45** **REFRESHMENT BREAK**
- 10:15** Vet to what? Performing efficient and effective vet-to-vet communications
Kimberlee Baker and **Amanda Reeve**
- 10:45** Interactive case studies
Kimberlee Baker and **Amanda Reeve**
- 12:00** Seminar concludes
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SUNDAY MORNING

Research Topics

Research Topics

Date: Sunday, March 2

Time: 8:00 AM – 12:00 noon

Location: Salon 7

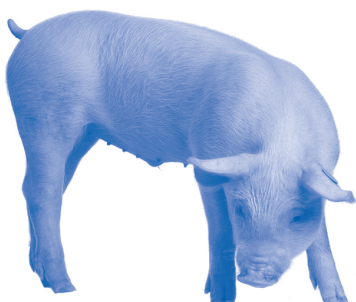
Session chair: Chris Rademacher

- 8:00** Establishing best practices for oral fluid collection
Grzegorz Tarasiuk
- 8:15** Assessing the effect of pooling commonly used samples in breeding herds on the probability of influenza A virus sequencing
Daniel Moraes
- 8:30** How many samples do you need for influenza A monitoring in farrowing rooms?
Daniel Moraes
- 8:45** Effect of oral meloxicam administration to sows on piglet colostrum intake based on immunocrit, birth weights, and infrared thermography
Kendra Blaschko
- 9:00** Evaluation of meloxicam residues in commercial sows, growing pigs, and cull boars utilizing a sensitive diagnostic assay
Brian Payne
- 9:15** Prevention of *Streptococcus suis* disease using avirulent strain inoculation
Samantha Hau
- 9:30** Mitigating economic losses from *Streptococcus suis* through data-driven decision making
László Gombos
- 9:45** **REFRESHMENT BREAK**
- 10:15** Effect of stocking density on F1 gilt grow-finish and reproductive performance
Christine Mainquist-Whigham
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SUNDAY MORNING

Research Topics

- 10:30** PRRSV-2 variant classification:
A dynamic nomenclature for enhanced monitoring
and surveillance
Kimberly VanderWaal
- 10:45** Can air filtration systems truly reduce PRRS
outbreaks? Estimating the effects of negative and
positive pressure systems on PRRS occurrence
Xiaomei Yue
- 11:00** Impact of production and health management
strategies on PRRSV outbreak recovery in
breeding herds
Ana Paula Poeta Silva
- 11:15** Productivity losses due to PRRSV, PEDV, and
Mycoplasma hyopneumoniae in US breed-to-wean
herds from 2016 to 2020
Onyekachukwu Henry Osemeke
- 11:30** The impact of the timing of PRRSV and swine
enteric coronaviruses introduction on
wean-to-market productivity
Kate Dion
- 11:45** Evaluating the efficacy of alternative livestock
trailer wash methods on reducing the risk of
PEDV introduction to farm site areas when
loading market pigs
Edison Magalhaes
- 12:00** Session concludes



SUNDAY SESSION #1

Student Seminar

Student Seminar

Date: Sunday, March 2

Time: 1:00 – 5:15 PM

Location: Salon 7

Session co-chairs: Justin Brown and Jordan Gebhardt

Funded by the **ZOETIS FOUNDATION**

- 1:00** Retention rates of females through parity 3 in herds with high and low circulating *Mycoplasma hyopneumoniae*
Lindsey Britton, North Carolina State University
- 1:15** Determining the optimal infective dose of *Mycoplasma hyopneumoniae* lung homogenate when administered by intratracheal inoculation
Daisy Cagle, North Carolina State University
- 1:30** Determining the ideal pH target to inhibit *Escherichia coli* growth in swine drinking water
Rachel Retterath, University of Minnesota
- 1:45** Evaluation of population and individual-based sampling methods for surveillance of porcine astrovirus type 4 in cohort of pigs during farrowing and nursery phases
Emma Zwart, Iowa State University
- 2:00** Could we reduce vaccine reactogenicity in pigs?
Sloane Murray, University of Guelph
- 2:15** Comparison of neonatal umbilical therapeutic interventions for the reduction of navel defects in downstream pigs
Matilyn Wheeler, Iowa State University
- 2:30** A comparison of two methods: Quantitative PCR (qPCR) vs autofluorescence technique in the diagnosis of *Cystoisospora suis* in a clinically affected farm treated with a new injectable combination of toltrazuril and iron for parenteral application (Forceris®)
Nicole Seebach, University of Guelph
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SUNDAY SESSION #1

Student Seminar

- 2:45** **REFRESHMENT BREAK**
Co-sponsored by **ZOETIS**
- 3:15** Lameness in conventional compared to organic swine finishing facilities
Elizabeth Taylor, University of Pennsylvania
- 3:30** The before, during, and after of emergency swine depopulation with foam
Gabriela Grant, University of Minnesota
- 3:45** Computationally predicted T-cell epitope trends for 30 years of wild-type PRRSV-2 strains from the USA
Julia Baker, University of Minnesota
- 4:00** Impact of cross-fostering on PRRSV transmission among piglets
Kristen Cleaver, Iowa State University
- 4:15** Investigation of a compliance marker and cost of *Salmonella* vaccination by gel and oral drench
Gabrielle Duhe, Louisiana State University
- 4:30** Comparison of cell-mediated immunity induction by two porcine circovirus type 2 (PCV2) vaccines in adult breeding swine
Jacqueline Springer, University of Illinois
- 4:45** Comparative efficacy of water soluble tylvalosin and lincomycin hydrochloride in finishing pigs administered a *Lawsonia intracellularis* (Li or ileitis) oral challenge
Heejoo (Patrick) Jung, The Ohio State University
- 5:00** Comparison of piglet vaccination timing protocols on early nursery stress and performance
Macy Moore, Iowa State University
- 5:15** Session concludes

SUNDAY SESSION #2

Industrial Partners

Industrial Partners

Date: Sunday, March 2

Time: 1:00 – 5:00 PM

Location: Salon 8

Session co-chairs: Katie Beckman and Deborah Murray

- 1:00** Antimicrobial susceptibility of *Actinobacillus pleuropneumoniae*, *Bordetella bronchiseptica*, *Pasteurella multocida* and *Streptococcus suis* isolated from diseased pigs in the United States and Canada, 2013 to 2023
Michael Sweeney, Zoetis
- 1:15** CircoMatch: An immunoinformatics tool to predict and compare T cell epitopes across field viruses and vaccine strains
Dennis Foss, Zoetis
- 1:30** Application of health-focused nursery feeding strategies to support pigs facing natural porcine reproductive and respiratory syndrome virus infection
Brooke Smith, Cargill Animal Nutrition
- 1:45** Beneficial effects of using a water dispersible organic acid/monoglyceride blend product on water quality and pig performance in a commercial nursery research barn
Mark Whitney, Eastman
- 2:00** ProVent® ECL: A comprehensive probiotic to support swine challenged with multidrug-resistant *E coli*
Kyle Leistikow, United Animal Health
- 2:15** A *Bacillus*-based product, ProVent® ECL, improved piglet recovery after a porcine reproductive and respiratory syndrome (PRRS) wild-type break
Chris Puls, United Animal Health
- 2:30** Breeding better mothers for a free farrowing system
Jenelle Dunkelberger, Topigs Norsvin USA

SUNDAY SESSION #2

Industrial Partners

- 2:45** **REFRESHMENT BREAK**
Co-sponsored by **ZOETIS**
- 3:15** Inhibiting viral transmission in animal husbandry:
Impact of sodium diformate alone or in
combination with medium chain fatty acids:
An overview
Christian Lückstädt,
Quality Technology International – ADDCON
- 3:30** Effect of dietary vitamin D on PRRSV disease
severity and immune response in nursery pigs
KellyGrace Keen, dsm-firmenich
- 3:45** Serum 25OHD3 as an indicator of vitamin D
status in swine and a novel testing technique
to verify status
Sara Hough, dsm-firmenich
- 4:00** Assessment of houseflies (*Musca domestica*)
as a potential reservoir of porcine reproductive
and respiratory syndrome virus in swine compost
facilities under field conditions
Gene Spellman, Central Life Sciences
- 4:15** A comparison of two different sampling methods
in the quantitative PCR (qPCR) detection of
Cystoisospora suis in Canadian farms
Cesar Caballero, Ceva Animal Health
- 4:30** Estimating PRRSV immunogenicity to four
challenge strains with an in-silico T cell model
Mark Hammer, Elanco Animal Health
- 4:45** Pradofloxacin: A novel dual-targeting antibiotic
with a low propensity for resistance selection
Joseph Blondeau, Elanco Animal Health
- 5:00** Session concludes

SUNDAY SESSION #3

Industrial Partners

Industrial Partners

Date: Sunday, March 2

Time: 1:00 – 5:00 PM

Location: Salon 1-6

Session co-chairs: Brent Pepin and Marisa Rotolo

- 1:00** Creating a more robust pig
John Sonderman, DNA Genetics
- 1:15** Efficacy evaluation of Ingelvac PRRS MLV®
against a PRRSV 1-4-4 L1C.5 variant challenge
J.D. Fiechtner, Boehringer Ingelheim Animal Health
- 1:30** Evaluation of the effect of Enterisol Salmonella
T/C® vaccination on the reduction of *Salmonella*
on farm and at slaughter
Fernando Leite,
Boehringer Ingelheim Animal Health
- 1:45** Enhancing PCV2 control: Homologous vs
heterologous vaccination in coinfection scenarios
Pablo Pineyro,
Boehringer Ingelheim Animal Health
- 2:00** Improving transport biosecurity and reducing
risk of disease spread with biosecurity
management software
Christine Mainquist-Whigham,
Farm Health Guardian
- 2:15** Real-time feed delivery data: What might we learn
about disease biosecurity/transmission from
Feed Allocation Systems (FAS)?
Jordan Gebhardt, Prairie Systems by EverAg
- 2:30** Sustainable use of antibiotics in boar semen
production
John Quackenbush, Minitube USA
- 2:45** **REFRESHMENT BREAK**
Co-sponsored by **ZOETIS**
- 3:15** What's new with Sequivity?
Susie Knetter, Merck Animal Health
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SUNDAY SESSION #3

Industrial Partners

- 3:30** Sequivity IAV NA keeps pigs growing in the face of an early nursery IAV-S challenge
Brett O'Brien, Merck Animal Health
- 3:45** Critical components of a successful IAV-S stabilization program for breeding herds
Cameron Schmitt, Merck Animal Health
- 4:00** Florfenicol in swine drinking water: The advantages of flexible dosing for veterinarian prescriptions
Keith Bretey, VPS - Veterinary Pharmaceutical Solutions
- 4:15** The effect of feed and water consumption patterns on subsequent reproductive performance
Katie Holtz, PigEasy
- 4:30** A comprehensive vaccine approach to protect piglets from IAV-S in the face of maternal antibodies
Jeremy Griffel, Phibro Animal Health
- 4:45** From lab to field: Integrating CASA for optimal semen dose success
Raquel Ausejo, Magapor
- 5:00** Session concludes

SUNDAY SESSION #4

Industrial Partners

Industrial Partners

Date: Sunday, March 2

Time: 1:00 – 5:00 PM

Location: Salon 10-15

Session co-chairs: Keith Erlandson and Gabi Doughan

- 1:00** Improvement in growth performance and the occurrence of ear necrosis in Vepured® vaccinated animals compared to an optimized diet against oedema disease
Ramon Jordà, HIPRA
- 1:15** Exploring biosecurity barriers:
Boot bath disinfection
Gisele Ravagnani, Lanxess Biosecurity Solutions
- 1:30** Water biology impacts after water line cleaning and disinfection with peracetic acid
Gabi Doughan, CID Lines an Ecolab Company
- 1:45** Soybean meal functional compounds:
The science behind observations of improved pig health and viability
Amy Petry, US Soy
- 2:00** Efficacy of Tilmovet® Premix for PRRS control by feed medication in weaned pigs
Ulrich Klein, Huvepharma
- 2:15** Vacasan®, Huvepharma's tulathromycin injection, administered to sows pre-farrowing to reduce sow and piglet mortality
Peter Schneider, Huvepharma
- 2:30** A novel feed mitigant (FeedARMOR) in combination with hypochlorous water treatment shows additional benefit through reduced rates of sow prolapses
Fredrik Sandberg, Furst-McNess Company
- 2:45** **REFRESHMENT BREAK**
Co-sponsored by **ZOETIS**

SUNDAY SESSION #4

Industrial Partners

- 3:15** Correlation of intestinal lesions due to ileitis and fecal shedding of *Lawsonia intraceullaris* in finishing pigs treated with either water-soluble Aivlosin or lincomycin hydrochloride after an ileitis challenge
Nathan Winkelman, Pharmgate Animal Health
- 3:30** Responding to a sow farm PRRSV outbreak: Aivlosin treatment, planned exposure, and sampling timeline
Erin Kettelkamp, Pharmgate Animal Health
- 3:45** Tax reduction strategies for veterinarians
Andrew Kleis, Insight Wealth Group
- 4:00** Enhancing swine health: The potential of botanical extracts against PRRSV
Theresa Fossum, Phoenix Animal Wellness
- 4:15** Using prescription platform vaccines for control of emerging swine diseases
Keith Erlandson, Medgene
- 4:30** Optimal iron dosing for improved growth. A review of three birth-to-market studies
Chris Olsen, Pharmacosmos
- 4:45** Effects of second iron injection before weaning on growth performance, hematological parameters, and fecal score of pigs fed nursery diets with different dietary iron levels under natural disease challenge
Wesley Lyons, Pharmacosmos
- 5:00** Session concludes

SUNDAY - MONDAY

Veterinary Student Posters

Veterinary Student Posters (#1 - #26)

Funded by the ZOETIS FOUNDATION

The Zoetis Foundation provides
a \$500 award to each presenter.

Location: Salon 9

Sunday, March 2

Monday, March 3

12:00 – 5:00 PM

8:00 AM – 5:00 PM

Authors present

Sunday

12:00 – 1:00

Posters #1-15 (*) will be judged in the **POSTER COMPETITION** sponsored by **UNITED ANIMAL HEALTH**

- *1.** Oral NSAID impact on production and additional treatments of grow-to-finish pigs challenged with respiratory viruses
Morgan Almeida, Iowa State University
- *2.** Evaluation of the response to antibiotic treatment in newly placed finishing pigs
Bryn Anderson, University of Minnesota
- *3.** Evaluation of intradermal vaccination in piglets to improve welfare and labor efficiency, reduce stress responses and pain, and minimize injuries to piglets and producers
Madeline Benedetti, University of Guelph
- *4.** Evaluation of lameness and lesion scores when a crude fiber concentrate is applied at time of pen mixing in gestating females
Mallory Wilhelm, Iowa State University
- *5.** Factors influencing flank, tail, and ear lesions in conventionally housed finishing pigs
Yasmeen Samar, University of Pennsylvania
- *6.** Evaluation of PRRS modified live virus vaccination in combination with killed autogenous PRRS vaccination on performance of growing pigs challenged with 1-4-4 PRRS virus
Seth Boss, Iowa State University
- *7.** A case study: Characterization of *Mycoplasma hyopneumoniae* replacement gilt exposure program in commercial sow systems
Murray Perkins, Iowa State University

SUNDAY - MONDAY

Veterinary Student Posters

- *8.** Correlation between velocity patterns of pig spermatozoa and phagocytosis by neutrophils
Yaneli Hernandez Flores, University of Guadalajara
- *9.** Use of a progesterone test strip for management of replacement gilts and weaned P1 sows
Maeve Davis, Virginia-Maryland Regional CVM
- *10.** Can swine transport trailers be used to evaluate the *Salmonella* status of a farm?
Casondra Snow, University of Minnesota
- *11.** An evaluation of sow feeding behavior and stanchion preference in gestation pens with 48-inch stanchions
Benjamin Rogers, University of Illinois
- *12.** Regulation of periweaning body temperature is improved in piglets given higher doses of injectable iron dextran during the suckling period
Molly Jones, North Carolina State University
- *13.** An evaluation of the use of artificial intelligence in porcine lung lesion scoring
Sadie Sims, University of Tennessee
- *14.** Effect of antioxidant supplementation in sows pre-farrow and during lactation on sow and piglet performance
Ayva Bohr, Iowa State University
- *15.** Effect of antibiotic and stibiotic interventions in the periparturient period on sow mortality
Annika Senn, Kansas State University
- 16.** Evaluating the impact of postpartum prostaglandin administration on preweaning growth in modern swine production
Jameson Bell, Iowa State University
- 17.** Evaluating porcine circovirus 2 maternal immunity decline via indirect immunofluorescent antibody assay titers in wean pigs to maximize a single dose vaccination regimen
Isabella Black, North Carolina State University

SUNDAY - MONDAY

Veterinary Student Posters

18. Sample type comparison for PRRSV detection in individually housed gestating populations
Cassidy Cordon, University of Minnesota
19. Transitioning to single tier vaccine label claims: General overview
Erin Larsen, Lincoln Memorial University
20. Could viral vaccines be used as alternatives for antimicrobials? Insights from US swine veterinarians
Danqin Li, Kansas State University
21. Transitioning to single tier vaccine label claims: Swine influenza vaccines
Erin Russell, Lincoln Memorial University
22. Mapping the environmental impacts of African swine fever outbreaks in the Philippines to support ASF preparedness in the US and globally
Mikayla Schlosser, University of Minnesota
23. Evaluation of the impact of a novel astrovirus 4 vaccine on antibody production, and the effects of maternally derived antibodies on piglet performance pre- and post-weaning
Cole Ulmer, Iowa State University
24. Developing a *Lawsonia intracellularis* surveillance program to define prevalence in a commercial swine operation
Hannah Walker, Oregon State University
25. Adjuvant evaluation of combining *Streptococcus suis* (*S. suis*) and influenza A virus (IAV-S) in pigs
Jinnan Xiao, Iowa State University
26. Challenges and opportunities of bacterial vaccines as alternatives to antimicrobials in swine health management: Insights from US veterinarians
Xirui Zhang, University of Missouri

SUNDAY - MONDAY

Research Topics Posters

Research Topics Posters (#27 - #55)

Location: Salon 9

Sunday, March 2 12:00 – 5:00 PM

Monday, March 3 8:00 AM – 5:00 PM

Authors present
Sunday
12:00 – 1:00

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27. Comprehensive evaluation of the economic and epidemiological benefits of market haul trailer decontamination in the US swine industry
Benjamin Blair
 28. Comparative pathogenesis of a highly pathogenic porcine reproductive and respiratory syndrome virus (PRRSV) strain from China to a contemporary 1-4-4 L1C variant from the United States
Alexandra Buckley
 29. A comparative assessment of oral toltrazuril and injectable iron administration vs combined toltrazuril+iron injectable treatment on weaning weight, clinical signs and mortality in piglets
Cesar Caballero
 30. Probability of detecting *Lawsonia intracellularis* by PCR in oral fluids and pooled fecal samples based on pen prevalence
Guilherme Cezar
 31. Evaluation of a comprehensive platform (Pork MultiPath™) for efficient and high throughput swine pathogen surveillance and health management
Joe Connor
 32. The PRRS-resistant pig and response to vaccination
Lucina Galina Pantoja
 33. Evaluation of deployable fan coverings for biocontainment of airborne swine pathogens
Erin Kettelkamp
 34. Refining Senecavirus A disease occurrence estimates in the US breeding herd
Mariana Kikuti
 35. Comparison of pre-castration and post-castration tongue fluids to processing fluids to monitor PRRSV in suckling pig populations
Isadora Machado
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SUNDAY - MONDAY

Research Topics Posters

36. Evaluating stillborn presence and litter size as indicators of PRRSV detection in live piglets, and the use of stillborn tongue fluids as risk-based samples for PRRSV monitoring
Isadora Machado
37. Use of tongue tip fluids to detect swine pathogens in growing pigs
Marcello Melini
38. Practices implemented for live virus inoculation (LVI) material preparation and pathogen diversity presence in the sample
Mariamawit Zekarias Mohammed
39. Assessment of PRRSV and PEDV detection in wean-to-finish pig barns before and after manure pumping
Daniel Moraes
40. Are we ready for the next emerging disease? Defining sampling intervals for active participatory surveillance of notifiable swine pathogens in the US
Berenice Munguía-Ramírez
41. Analysis of PRRSV ORF5 lung and serum samples reveals higher rtPCR Ct values in vaccine-like strains compared to wild-type strains
Rabsa Naseer
42. Bio-exclusion practices in the US wean-to-market farms: A factor analysis across 18 production systems
Mariah Negri Musskopf
43. Enhancing PRRSV isolation from postmortem tongue fluids: Evaluation of collection protocols and cell lines
Onyekachukwu Henry Osemeke
44. Evaluating postmortem tongue fluids as a tool for monitoring PRRSV and IAV in the nursery and grow-finish phases of swine production
Onyekachukwu Henry Osemeke
45. Whole genome sequencing of *E coli* isolates associated with colibacillosis cases in pigs from 2015 to 2022
Rodrigo Paiva

SUNDAY - MONDAY

Research Topics Posters

46. Which *E coli* specimen and morphology are more associated with postweaning colibacillosis in pigs in the US?
Rodrigo Paiva
47. Evaluation of colostrum intake in suckling piglets in Spain
Victor Rodriguez Vega
48. How to reduce sow mortality in gestating sows
Joel Sparks
49. Use of face masks to decrease exposure to swine influenza A virus in swine farm workers
Montserrat Torremorell
50. Evaluation of gaseous ozone technology for decontaminating PRRSV and PEDV on non-porous surfaces in truck cabins
Thinh Tran Pham Tien
51. Experimental evidence of vaccine-driven evolution of PRRSV-2 in pigs-to-pigs infection chains
Kimberly VanderWaal
52. Assessment of efficacy of a porcine circovirus vaccine, type 1 - type 2 chimera (PCV2), killed virus, *Mycoplasma hyopneumoniae* (MHP) bacterin administered via a needle-free injection device (NFID) at 3 weeks of age against a relevant PCV2d challenge
Cristina Venegas Vargas
53. Influenza A vaccines and maternally derived antibodies in piglets
Kevin Vilaca
54. Effect of an electrostatic precipitator on mitigating the transmission of airborne viruses in pigs under experimental conditions
Montserrat Torremorell
55. Detections of human seasonal H3N2 influenza A virus reverse-zoonoses in swine during the 2022-2024 influenza season
Michael Zeller

SUNDAY - MONDAY

Industrial Partners Posters

Industrial Partners Posters (#56 - #70)

Location: Salon 9

Sunday, March 2 12:00 – 5:00 PM

Monday, March 3 8:00 AM – 5:00 PM

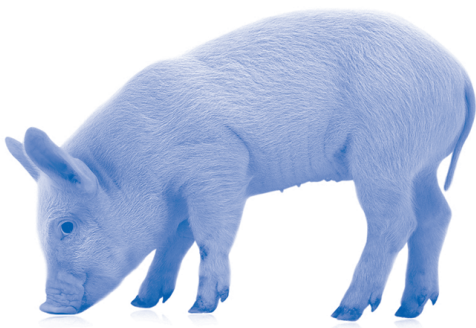
Authors
present
Sunday
12:00 – 1:00

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56. Evaluation of the efficacy of oral vaccination with Enterisol Salmonella T/C® by gel
Joel Nerem, Boehringer Ingelheim Animal Health
57. Effect of lactation creep feeding on pre- and postweaning performance
John Sonderman, DNA Genetics
58. Mycotoxicosis and swine inflammation and necrosis syndrome
Sara Hough, dsm-firmenich
59. Management through PRRS with Swine Awake and Pulmotil AC
Brigitte Mason, Elanco Animal Health
60. A dynamic network evaluation of human, animal, and truck movement data across a swine farm system
Tara Prezioso, Farm Health Guardian
61. Impact of water delivery of monoglycerides and natural extracts (First Strike Direct) on lateral PRRS 144 L1C challenge measured by mortality, morbidity, and injectable treatments
Woongbi Kwon, Furst-McNess Company
62. Synergistic effects of atrophic rhinitis and Glässer disease vaccination on pig performance
Isaac Ballarà Rodriguez, HIPRA
63. Evaluating microbial levels in feed mills with and without a formaldehyde-based feed mitigant
Olivia Harrison, Kemin Animal Nutrition & Health
64. Post-cervical insemination in gilts:
A future perspective
Raquel Ausejo, Magapor

SUNDAY - MONDAY

Industrial Partners Posters

65. Field experiences of Circumvent CML in US swine herds
James Lehman, Merck Animal Health
66. Examining fecal shedding of *Lawsonia intracellularis* in finishing pigs treated with water-soluble Aivlosin or lincomycin hydrochloride after an ileitis challenge and the resulting correlation on average daily gain
Nathan Winkelman, Pharmgate Animal Health
67. Impact of dietary sodium diformate in sows on suckling piglets under poor sanitary conditions
**Christian Lückstädt,
Quality Technology International – ADDCON**
68. A milk-based bioactive (Fxp) mitigates a severe and natural enteric disease challenge
Joel Spencer, United Animal Health
69. Compounded iron supplement used to address hurdles and needs in the field
**Brian Payne,
VPS - Veterinary Pharmaceutical Solutions**
70. PCV2 prevalence and genetic diversity at processing and potential correlation with downstream performance in Canadian production systems
Ryan Tenbergen, Zoetis



MONDAY SPECIAL SESSION

Beagles and Bagels

Beagles and Bagels

Date: Monday, March 3

Time: 6:30 – 7:45 AM

Location: Salon 3-6

Session chair: Anna Forseth

Come for the beagles and stay for a bagel!

The USDA Swine Health Team will provide an update on the transition of the US Swine Health Improvement Plan (US SHIP) to USDA and their plans to move the program forward.

Then, watch the canine inspection teams at work and learn about the role of Customs and Border Protection in protecting U.S. agriculture.

6:30 US SHIP Update
USDA Swine Health Team

7:00 Beagle Brigade demonstration and Customs and Border Protection update on agriculture interdictions at the U.S. border
CBP Ag Inspector

7:30 Questions and answers

7:45 Session concludes



MONDAY GENERAL SESSION

Be the Pig's Champion

Be the Pig's Champion

Date: Monday, March 3

Time: 8:00 AM – 12:30 PM

Location: Salon 7-8

Program and Session chair: Locke Karriker

- 8:00 HOWARD DUNNE MEMORIAL LECTURE**
The challenges and opportunities of becoming the pig's champion
Clayton Johnson
- 9:00 ALEX HOGG MEMORIAL LECTURE**
Who gets to be the pig's champion?
Cara Haden
- 10:00 REFRESHMENT BREAK**
Co-sponsored by **VAXXINOVA**
- 10:30 Earning the role of the pig's champion**
Daryl Olsen
- 11:30 ANGELA BAYSINGER MEMORIAL LECTURE**
Advancing pig welfare together:
Standing on the shoulders of Angela
Anna Johnson
- 12:30 AASV - AASV FOUNDATION LUNCHEON**

AASV-AASVF LUNCHEON



Co-sponsored by:

AASV & AASV Foundation

MONDAY, MARCH 3

12:30 – 2:00 PM

Golden Gate A-B

MONDAY SESSION #1

PEDV Elimination

PEDV Elimination

Date: Monday, March 3

Time: 2:00 – 5:30 PM

Location: Salon 7

Session chair: Marisa Rotolo and Paul Yeske

- 2:00** Introduction
- 2:15** The path toward PEDV elimination in Manitoba
Jenelle Hamblin
- 2:45** Estimating prevalence
Giovani Trevisan and Cesar Corzo
- 3:15** Comparison of elimination protocols for PED, PRRS, and *Mycoplasma hyopneumoniae*
Paul Yeske
- 3:30** **REFRESHMENT BREAK**
Co-sponsored by **PHARMGATE ANIMAL HEALTH** and **VETERINARY PHARMACEUTICAL SOLUTIONS**
- 4:00** Transport survey and study
Edison Magalhaes
- 4:20** Transport case study
Pete Thomas
- 4:40** PEDV elimination question and answer panel
Mary Battrell, Darin Madson, Jon Tangen, Pete Thomas
- 5:20** Conclusion: PEDV classification and the future of elimination
- 5:30** Session concludes

MONDAY SESSION #2

Pig 101

Pig 101 on Pig One-on-One

Date: Monday, March 3

Time: 2:00 – 5:30 PM

Location: Salon 1-6

Session chair: Megan Hindman

2:00 Swine pharmacology update: New tools and techniques for the individual pig
Joe Smith

3:00 Basic husbandry for Wilbur, and how to navigate through individual pig advice
Joe Smith

3:30 **REFRESHMENT BREAK**
Co-sponsored by **PHARMGATE ANIMAL HEALTH** and **VETERINARY PHARMACEUTICAL SOLUTIONS**

4:00 We sent Wilbur to medical school: Describing the challenges of using swine in biomedical research
Caitlin Vonderohe

4:30 Niche production: It's not for everyone
Pete Schneider and **Trevor Schwartz**

5:00 Facebook: Question and answer panel
Joe Smith, Caitlin Vonderohe, Pete Schneider, Trevor Schwartz

5:30 Session concludes



MONDAY SESSION #3

Global Hot Topics

Global Hot Topics

Date: Monday, March 3

Time: 2:00 – 5:30 PM

Location: Salon 8

Session co-chairs: Perle Zhitnitskiy

- 2:00** African swine fever control and management challenges in the Philippines
Angel Manabat
- 2:30** The problem of African swine fever in pig production and the impact of the pig and meat trade
Rafał Niemyjski
- 3:00** African swine fever in Germany: Lessons learned
Tim Snider
- 3:30** **REFRESHMENT BREAK**
Co-sponsored by **PHARMGATE ANIMAL HEALTH** and **VETERINARY PHARMACEUTICAL SOLUTIONS**
- 4:00** Hot topics in European swine production
Vincent ter Beek
- 4:30** Unlocking the secrets of *Streptococcus zooepidemicus*
LeeAnn Peters
- 5:00** Brazilian swine industry: An update on actual strategies and future perspectives
Glauber Machado
- 5:30** Session concludes

AASV AWARDS RECEPTION



Co-sponsored by:
AASV & MERCK ANIMAL HEALTH

MONDAY, MARCH 3
6:30 - 9:00 PM

Golden Gate A-B

TUESDAY GENERAL SESSION

Influenza Insights

Influenza Insights

Date: Tuesday, March 4
Time: 8:00 AM – 12:00 PM
Location: Salon 7
Chair: Rebecca Robbins

- 8:00** Human spillover cases in swine and significance to influenza A virus ecology
Phil Gauger
- 8:30** Don't be a fomite: The role of personal protective equipment (PPE) in preventing influenza A virus
Montse Torremorell
- 9:00** Influenza A virus in non-commercial swine and best practices for control and prevention
Andrew Bowman
- 9:30** Expect the unexpected: Are swine veterinarians ready for H5N1?
Scanlon Daniels
- 10:00** **REFRESHMENT BREAK**
- 10:30** Where to begin: Selecting influenza A virus strains for a system-specific vaccine
Marie Culhane and Emily Mahan-Riggs
- 11:15** Ask the experts: How is a herd-specific vaccine produced?
Panel: Ben Hause, Mark Mogler
- 12:00** Session and meeting conclude

AASV BUSINESS BREAKFAST



TUESDAY, MARCH 4
7:00 - 8:00 AM

Salon 8

Fuel up with a hot breakfast and meet the newly elected AASV officers and board members as the gavel is passed to the 2025 president. Your nametag serves as your breakfast ticket.

MEMBER SERVICES

WELL-BEING CENTER

Learn about well-being and take advantage of resources and activities at the AASV Well-Being Center.

Take this opportunity to learn how to help a colleague, client, friend, and yourself!



MOTHER'S ROOM



Need a quiet, private place to nurse or pump?
AASV has set aside a room for nursing mothers.

Pick up the key at the AASV registration desk. When registration is closed, see Dr. Abbey Canon.



SOCIAL ACTIVITIES

Saturday, March 1

STUDENT TRIVIA EVENT

Sponsored by:

Merck Animal Health



Time: 6:00 – 8:00 PM

Location: Foothill G (Marriott, 2nd floor)

Veterinary students, join us at 6:00 PM Saturday evening for appetizers and drinks followed by a fun-filled, interactive evening of competitive swine veterinary medicine trivia!

**Follow AASV on
Facebook, X,
and Instagram**

#AASV2025



@AASwineVets



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SOCIAL ACTIVITIES

Sunday, March 2

AASV PRAISE BREAKFAST

Co-sponsored by

**Stuart Products and the
AASV Foundation**

Time: 7:00 – 8:00 AM

Location: Golden Gate C1-2

Coordinators: J. Tyler Holck
and Sarah Probst Miller

Join your AASV friends for breakfast, music, and fellowship at the AASV Praise Breakfast on Sunday morning! Dr. Monte Fuhrman will share his testimony as part of a program of prayer, scripture, and song led by the AASV Praise Team.

Your free-will offering, along with support from Stuart Products, will defray the cost of the breakfast.

All AASV meeting attendees and their family members are welcome.

STUDENT RECEPTION

Sponsored by

Merck Animal Health

Time: 8:30 – 11:45 PM

Location: Golden Gate A-B

Whether you are a veterinarian or veterinary student, you are invited to attend the Student Reception at the AASV Annual Meeting, courtesy of Merck Animal Health! This evening of entertainment, desserts, and liquid refreshment provides the perfect opportunity for current and future swine veterinarians to interact and discuss employment and externship possibilities. The drawing for prizes in the veterinary student “Vet Hunt” also happens here.



SOCIAL ACTIVITIES

Monday, March 3

AASV AND AASV FOUNDATION LUNCHEON

Co-sponsored by:

AASV and the AASV Foundation

Time: 12:30 – 2:00 PM

Location: Golden Gate A-B

Enjoy a delicious luncheon while you learn about the impact the AASV Foundation is having on the swine veterinary profession! The AASV Foundation will recognize Heritage and Legacy donors, announce the recipients of veterinary student scholarships, and present research grants, debt-relief scholarships, the prestigious Hogg Scholarship, and more. Your nametag is your luncheon ticket (sorry, additional tickets are not available).



AASV AWARDS RECEPTION

Co-sponsored by

Merck Animal Health and AASV

Time: 6:30 – 9:00 PM

Location: Golden Gate A-B

Once a year, AASV members dine together to honor colleagues who have demonstrated excellence and provided exemplary service in the swine veterinary profession. The highlight of the evening is the presentation of the prestigious AASV awards, followed by the exciting AASV Foundation Live Auction.



Reception tickets are provided to meeting registrants in their nametag holder. A limited number of additional tickets are available for \$50.00 per person; free for children under twelve.

Bring your tickets - you'll need them to obtain beverages.

AASV FOUNDATION PROGRAMS

AASV Memorial Lectures

Speaker stipends for the annual Howard Dunne, Alex Hogg, and Angela Baysinger Memorial Lectures.

Research Grants

\$100,000 per year funds research with direct application to the profession.

Student Debt Relief

Twelve \$7500 debt-relief grants for recent AASV-member veterinary graduates.

Hogg Scholarship

This \$10,000 scholarship assists swine practitioners who return to school to pursue a graduate degree.

Angela Baysinger Memorial Scholarship

Starting in 2026! Annual scholarships of up to \$5000 for veterinary or graduate students with a demonstrated interest in swine welfare and the improvement of food animal welfare.

ABVP and ACAW Scholarships

Expense reimbursement scholarships for AASV members seeking board certification in ABVP Swine Health Management or the American College of Animal Welfare.

Martha Acosta Foundation Stipends

Stipends for two high-achieving international AASV student members to attend the AASV Annual Meeting.

Veterinary Student Scholarships

More than forty scholarships are awarded annually to veterinary students who participate in the AASV Annual Meeting and to those who demonstrate interest in pursuing a career in swine medicine.

Swine Externship Grants

Up to \$500 expense reimbursement for veterinary students who complete a 2-week or longer swine externship.

Student Travel Stipends

Veterinary students who attend the AASV Annual Meeting receive \$300 stipends to assist with expenses.

Heritage Videos

The history of AASV, its members, and the AASV Foundation is preserved in “member recollection” videos on the AASV website.

See aasv.org/foundation for details.

AASV FOUNDATION AUCTION



The auction proceeds provide a major source of support for the foundation programs described on the facing page.

SILENT AUCTION

Use ClickBid to view items and bid from your phone!
Donors will ship items to winning bidders.

**Bid now at
aasvf.cbo.io**

It will be “all-in, all-done” for the Silent Auction at
7:00 PM PST on Monday, March 3.

LIVE AUCTION

View live auction items and register for
your bidding number at aasvf.cbo.io.
The Live Auction will be held at the conclusion
of the AASV Awards Reception:

Monday, March 3
Location: Golden Gate A-B



**Thank you for supporting
the AASV Foundation!**

aasv.org/foundation

TECHNICAL TABLES EXHIBIT

TECHNICAL TABLES EXHIBIT

Monday, March 3

9:00 AM – 5:00 PM

Tuesday, March 4

8:00 AM – 12:00 PM

LOCATION: Yerba Buena Level B3, Salon 9-15

Refreshment breaks on Monday and Tuesday
take place in and around the exhibit tables.



Spend some time visiting with our exhibitors. Learn about the products and services they offer and be sure to thank them for supporting the AASV Annual Meeting!

EXHIBITORS

ABVP

AcuFast

Alltech-US Pork Team

Animal Health International

Animal Science Products

Anpario

ARKO Laboratories

Atmosphere Global

Aurora Pharmaceutical

Best Veterinary Solutions

Bimeda

Bock Industries

Boehringer Ingelheim Animal Health

Cambridge Technologies

Cargill Animal Nutrition

Central Life Sciences

Ceva Animal Health

CID Lines an Ecolab Company

Clipper Distributing

TECHNICAL TABLES EXHIBITORS

DNA Genetics
DPI Global
dsm-firmenich
Eastman
Elanco
Endovac Animal Health
Farm Health Guardian
Fortiva
Furst-McNess Company
Genesis Instruments
GlobalVetLink
HIPRA
Huvepharma
Hypor
IDEXX
IHT Group
INDICAL
Innovative Diagnostics - IDvet
Insight Wealth Group
Kemin Animal Nutrition & Health
Kent Nutrition Group
LANXESS Biosecurity Solutions
LifeStock International
Longhorn Vaccines and Diagnostics
Magapor
Medgene
Merck Animal Health
Merck Animal Health (Allflex and LeeO)
MetaFarms
Minitube
MSP[RS] Resistant Starch
MWI Animal Health
National Pork Board
Neogen
Norbrook
Novonosis
Pharmacosmos

Continued on next page

TECHNICAL TABLES EXHIBITORS

Pharmgate Animal Health
Phibro Animal Health Corporation
Phoenix Animal Wellness
PIC
PigCHAMP
PigEasy
PigKnows
PigTek, Chore-Time
Prairie Systems by Ever.Ag
ProtonDx
Quality Technology International-ADDCON
Ralco
RO-MAIN
Seppic
Swine Health Information Center
TechMix
Tetracore
Topigs Norsvin USA
United Animal Health
US Customs and Border Protection
USDA APHIS Veterinary Services
US Soy
Vaxxinova
VPS-Veterinary Pharmaceutical Solutions
Zinpro Corporation
Zoetis



INDUSTRIAL SUPPORT COUNCIL

JSHAP & AASV e-Letter Sponsors

The following companies provide substantial financial support to AASV throughout the year via their commitment to advertise in the *Journal of Swine Health & Production* and/or the AASV e-Letter. Be sure to thank them for their support – you’ll find their exhibit tables front-and-center in the Tech Tables exhibit hall.

Boehringer Ingelheim

(both JSHAP and e-Letter)

Cambridge Technologies

dsm-firmenich

Elanco

Endovac Animal Health

Huvepharma

Merck Animal Health

(both JSHAP and e-Letter)

Pharmacosmos

Pharmgate Animal Health

United Animal Health

United Soybean Board

USDA APHIS - Protect Our Pigs

Virox

Zoetis

(both JSHAP and e-Letter)

For more information about these and other AASV sponsorship opportunities, see aasv.org/sponsorship/.

Plan now to attend!

**57th AASV
Annual Meeting**

Feb 28-Mar 3, 2026
Las Vegas, Nevada



Future AASV Meetings:

2027	Orlando	Feb 27-Mar 2
2028	Denver	Feb 19-22
2029	Dallas	Feb 17-20
2030	Indianapolis	Feb 23-26

**Please thank the following
companies and organizations
for their generous support:**

AASV FOUNDATION

Monday Luncheon
Praise Breakfast

ELANCO ANIMAL HEALTH

AASV Foundation Veterinary Student Scholarships

MERCK ANIMAL HEALTH

AASV Awards Reception
AASV Foundation Veterinary Student Scholarships
Student Reception
Veterinary Student Trivia Event

PHARMGATE ANIMAL HEALTH

Refreshment Break Co-sponsor

STUART PRODUCTS

Praise Breakfast

UNITED ANIMAL HEALTH

Veterinary Student Poster Awards

USDA APHIS – PROTECT OUR PIGS

Refreshment Break Co-sponsor

VAXXINOVA

Veterinary Student Travel Stipends
Refreshment Break Co-sponsor

VETERINARY PHARMACEUTICAL SOLUTIONS

Refreshment Break Co-sponsor

ZOETIS

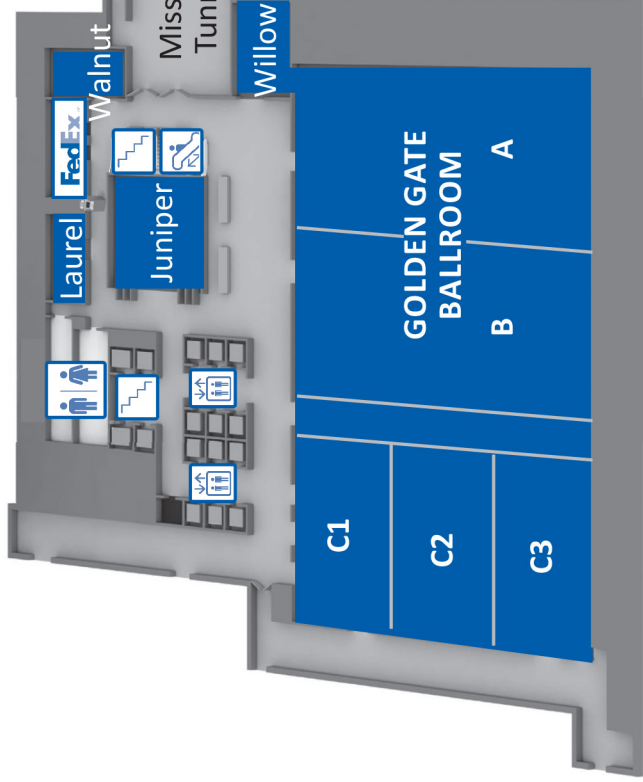
Refreshment Break Co-sponsor

ZOETIS FOUNDATION

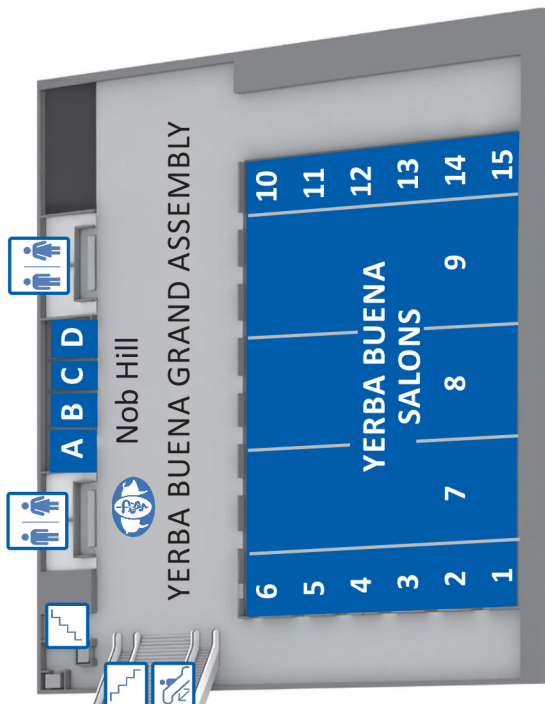
AASV Student Seminar
AASV Student Poster Session
AASV Foundation Veterinary Student Scholarship

San Francisco Marriott Marquis Meeting Rooms

GOLDEN GATE LEVEL B2



YERBA BUENA LEVEL B3



Golden Gate Level B2 is located directly below the Marriott Marquis Lobby. From Level B2, go through the Mission Tunnel (which passes under Mission Street) and down to Yerba Buena Level B3, where the AASV registration desk and most meeting sessions are located.



= Stairs



= Escalators



= Elevators



= Restrooms



= AASV Registration