120th Annual Meeting
United States Animal Health Association
and
59th Annual Conference
American Association of Veterinary Laboratory Diagnosticians

October 13-19, 2016
Sheraton Greensboro Hotel
Greensboro, North Carolina
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Welcome to
USAHA’s 120th Annual Meeting and
AAVLD’s 59th Annual Conference

Announcements

USAHA/AAVLD Headquarter Hotel
Sheraton Greensboro at Four Seasons Hotel
Greensboro, North Carolina

Registration Fees
On-Site Fee Schedule:
Member Registration .................................................$350.00
Non-Member Registration .........................................$550.00
Life Member Registration ..........................................$175.00
One Day Registration ..................................................$200.00
Two Day Registration ..................................................$250.00
Resident or Graduate Student Registration .................$125.00
Veterinary Student Registration .................................$ 0.00
Spouse Registration Fee .............................................$ 85.00

USAHA 2016 Individual Dues .........................................$160.00
AAVLD 2016 Annual Dues ..........................................$200.00
AAVLD 2016 Graduate Student or Resident Dues ..........$ 25.00
AAVLD 2016 Associate Dues .......................................$ 50.00
AAVLD New Member Dues .......................................$200.00

Membership for January-December 2017

Registration Schedule
Wednesday, October 12, 2016 ..................................3:00-6:00 pm
Thursday, October 13, 2016 ...................................7:00 am-6:00 pm
Friday, October 14, 2016 ........................................7:00 am-6:00 pm
Saturday, October 15, 2016 ....................................7:00 am-5:00 pm
Sunday, October 16, 2016 ....................................7:00 am-5:00 pm
Monday, October 17, 2016 ....................................7:30 am-5:00 pm
Tuesday, October 18, 2016 ....................................7:30 am-5:00 pm
Wednesday, October 19, 2016 ................................7:30-10:00 am

You must register and have a badge to attend meetings.
Announcements (cont.)

AAVLD Exhibits/Posters
3rd Floor Hallway
Posters: Saturday, October 15 .......................... 9:00 am-6:00 pm
Authors present .............................................. 3:00-4:00 pm
Sunday, October 16 ........................................... 9:00 am-1:00 pm
Exhibits: Saturday, October 15 .......................... 9:00 am-6:00 pm
(refreshments 9:30-10:15; 11:30-1:00; 3:00-6:00)
Sunday, October 16 ........................................... 9:00 am-1:00 pm
(refreshments 9:00-10:15; 11:30-1:00)

Bulletin Board
The Bulletin Board will be located at the Registration Area. Please check the bulletin board often for last minute changes in the program, and time and location of committee meetings.

USAHA Display Tables
3rd Floor Hallway
Sunday 1:00 pm-Wednesday 12:00 pm

Work Room
Carolina
Thursday, October 13 through Tuesday, October 18 ...... 8:00 am-5:00 pm
Wednesday, October 19 ........................................ 8:00 am-12:00 pm

Press Room and Committee Report Reading Room
Cardinal
Thursday, October 13 through Tuesday, October 18 ...... 8:00 am-5:00 pm
Wednesday, October 19 ........................................ 8:00 am-12:00 pm

USDA-APHIS-VS Work Room
Blandwood
Friday, October 14 through Tuesday, October 18 .......... 8:00 am-5:00 pm
Exception: Saturday office is in Biltmore
Wednesday, October 19 ........................................ 8:00 am-12:00 pm

Posters

Saturday, October 15 – Sunday, October 16
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2. Change in resistance of Pasteurella multocida spp multocida and Mannheimia haemolytica isolates obtained from bovine pneumatic lungs from 2008 through 2015 to selected antimicrobial agents Arthur Hattel, Subhashinie Kariyawasam, Thomas Denagamage, Jason W. Brooks, Jenny Fisher................................................................. 176
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4. Challenges in laboratory characterization of Aeromonas salmonicida §
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5. When routine encounters a select agent: A lesson on Burkholderia pseudomallei and the importance of universal laboratory diagnostic precautions § Kyriakos Deniziotis, Anil J. Thachil ................................. 179
7. Pseudomonas aeruginosa mastitis in two goats associated with contaminated essential-oil based teat dip Jane Kelly, David J. Wilson........... 181
8. The Futures Laboratory: A virtualized collaborative space meant to foster communication and cooperation between DoD and non-DoD academic institutions in areas of common interest, including public health/One Health Robert A. Norton, Stephanie Renee Ostrowski, James C. Wright.............. 182
10. Genotyping of Mycobacterium bovis from ruminants in Taiwan during 2014-2016 ChenShen Huang, Hsiang-Jung Tsai.............................................. 184
11. Modeling condemnation cases in cattle slaughter plants in California ◊ Sara Amirpour Haredasht, Tadaishi Yatabe, Beatriz Martinez-Lopez................................. 185
12. Devising a disease surveillance and reporting system using Orchard™ LIS * Vanessa J. Wallace, Jennifer Rudd, Tanya LeRoith...................... 186
13. The epidemiology of Campylobacter jejuni and Campylobacter coli in geese in Taiwan Yang-Chi Chiea Fan, Hsian-Jung Tsai.............................. 187
14. Field trial using a combined treatment of garlic and organic spray based formula for fly control and animal’s defensive behaviour alleviation in cattle farms *◊ Asmaa Nady Mohamed, Naglaa M. Abdel Azeem, Gehan K. Abdel Latief................................. 188
15. Creating a true quality system with an electronic QMS Sarah Obenauer................................................................. 189
16. Development of a diagnostic duplex real-time PCR for the detection of Mycoplasma gallisepticum and infectious laryngotracheitis in chickens * Rachel Jude, Naola Ferguson-Noel................................................................. 190

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§ AAVLD Laboratory Staff Travel Awardee
# AAVLD Trainee Travel Awardee
◊ AAVLD/ACVP Pathology Award Applicant
◊ USAHA Paper
* Graduate Student Poster Presentation Award Applicant
† Graduate Student Oral Presentation Award Applicant
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<th>Posters (cont.)</th>
<th>Posters (cont.)</th>
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<td>17. Enable the right result the first time with xeno internal positive control</td>
<td>34. The effect of zinc oxide nanoparticles on the antioxidant status, blood parameters and immune response in Japanese quail during starter period + Farhad Ahmadi, Yaser Khorramdel, Hana Hamidi, Farzad Moradpour 208</td>
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<td>35. Quantification of aminoaciduria in dogs with jerky pet treat exposure Jennifer Jones, Olgica Ceric, Jake Guag, Renate Reimschuessel 209</td>
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<td>36. Chronic canine parvovirus myocarditis in two puppies Santiago Diab, Virginia Ardoz, Patricia Pesavento 210</td>
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<td>identification and quantification of <em>Pythium insidiosum</em> in clinical</td>
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<td>19. The benchtop and field validation of a novel qPCR assay for the detection</td>
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<td>of <em>Brucella abortus</em> field strain and vaccine strains # **† Noah Hull, Suelee Robbe-Austerman, Jon Miller, William Laegerid, David Berry, Christine Quance, Christine Casey, Brant Schumaker</td>
<td>40. ELISA quality: On target with minimal variation Dave Baum, Kelly Boeseberg, Jeff Zimmerman, Luis Gabriel Gimenez-Lirolo, Rodger Main, Chong Wang, Calista Koeneke 214</td>
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<td>21. Detection of <em>Toxoplasma gondii</em> and Neospora caninum in ruminant</td>
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<td>22. Peritonitis &amp; necrotizing hepatitis in a Quarterhorse mare with</td>
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<td>46. Histopathologic findings in a 3 month subchronic mouse microcystic LR study Wanda M. Hashek-Hock, Elisiane Camana, Belinda Mahana, Pooja Vellareddy Anantharam, Elizabeth Whiteh, Wilson Kimbumbuzi 220</td>
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<td>23. Suspected fatal hypothermia in a dog with generalized demodicosis Doris Marie Miller</td>
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Posters (cont.)

49. Thyroid parafollicular (C) cell hyperplasia and carcinoma in a sheep with enzootic calcinosis due to *Nierembergia rivularis* (synonymous *N. repens*) poisoning in Uruguay  
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53. Complete genome constellation of group A rotavirus from deer identifies common evolution with bovine rotaviruses  
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54. Genotype constellation analysis of bovine and porcine rotavirus A isolates  
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◊ USAHA Paper

Daily Events  
Thursday, October 13

Registration Hours: 7:00 am-6:00 pm

8:00 am-12:00 pm  
AAVLD Accreditation and Quality Assurance Symposium  
Guilford G

1:00-5:00 pm  
AAVLD/NAHLN IT  
Oak

1:00-5:00 pm  
AAVLD Accreditation Committee COMMITTEE ONLY  
Cedar BC

2:00-4:00 pm  
Best Practices for Submitting, Reviewing and Publishing Manuscripts in JVDI  
Meadowbrook

5:30-6:00 pm  
Networking Reception with New Members, sponsored by bioMérieux  
Guilford F

Daily Events  
Friday, October 14

Registration Hours: 7:00 am-6:00 pm

7:00-8:00 am  
AAVLD Financial Advisory Committee COMMITTEE ONLY  
Joseph’s Restaurant

8:00-9:00 am  
AAVLD Membership Committee  
Cedar A

8:00-10:00 am  
AAVLD Publications Committee  
Oak C

8:00-11:00 am  
AAVLD Bacteriology and Mycology Subcommittee presents: Round Table Discussion  
Imperial A/B

8:00 am-12:00 pm  
AAVLD Accreditation Committee COMMITTEE ONLY  
Cedar BC

8:00 am-12:00 pm  
AAVLD Parasitology Committee  
Imperial E/F

8:00 am-5:00 pm  
AAVLD Informatics Committee  
Colony B/C

8:00 am-5:50 pm  
15th CL Davis: Diagnostic Dermatopathology Symposium  
Guilford F

10:00 am-12:00 pm  
Laboratory Emergency Management Committee  
Imperial D

10:00-12:00 pm  
AAVLD Epidemiology Committee  
Oak A/B

11:00 am-1:00 pm  
LCEM User Group  
Cedar A

12:00-5:00 pm  
USAHA Executive Committee Lunch  
Oak C

12:00-6:00 pm  
Poster Session - setup posters Third Floor

12:30-1:30 pm  
AAVLD Subcommittee on Bacteriology and Mycology  
Imperial A/B

1:00-2:00 pm  
ABVT Annual Meeting  
Imperial E/F

1:00-3:00 pm  
AAVLD Virology Committee  
Imperial G/H

1:00-5:00 pm  
AAVLD Executive Board  
Cedar B/C

1:00-5:00 pm  
AAVLD Quality Assurance Committee  
Imperial D

1:00-6:00 pm  
National Assembly of State Animal Health Officials  
Guilford G

1:30-2:15 pm  
AAVLD Subcommittee on Antimicrobial Susceptibility Testing Business Meeting  
Imperial A/B

2:00-6:00 pm  
AAVLD/AAVCT Business Meeting & Case Presentations  
Oak A/B

2:30-4:30 pm  
AAVLD Diagnostic Bacteriology case reports  
Imperial A/B

4:00-6:00 pm  
AAVLD Editorial Board of Journal of Veterinary Diagnostic Investigation (JVDI)  
Imperial E/F

3:00-5:00 pm  
AAVLD Laboratory Technology Committee  
Imperial G/H

5:00-6:00 pm  
Vet-LIRN meeting  
Meadowbrook

5:00-6:00 pm  
AAVLD Constitution, Bylaws and Resolutions Committee  
Riverdale

6:00-7:00 pm  
AAVLD Reception and Foundation Auction  
Guilford B/C
Daily Events (cont.)  Saturday, October 15

Registration Hours: 7:00 am-5:00 pm

7:00-8:00 am  AAVLD Foundation Committee  Links

7:45-11:30 am  AAVLD Plenary Session - Precision Diagnostic Medicine: Game Changing Technology … Is Your Lab Ready? Imperial D
Moderators: Patrick G. Halbur and Stephen B. Hooser
7:45 am  Welcome
7:50 am  The National Microbiome Initiative: Opportunities for diagnostic medicine and beyond - Jo Handelsman
8:30 am  Progress on the food animal microbiome and relevance to veterinary diagnostic medicine...using next generation sequencing to unravel complex infectious diseases - Paul Plummer
9:00 am  Progress on the companion animal microbiome and relevance to veterinary diagnostic medicine - Jan Suchodolski
9:30 am  Break
10:00 am  Precision Medicine: An opportunity for a paradigm shift in veterinary diagnostic medicine - K.C. Kent Lloyd
10:30 am  Advances in the use of molecular techniques to detect and monitor antimicrobial resistance - Nicole Ricker
11:00 am  Use of metabolomics in veterinary diagnostic medicine - Elizabeth Ryan

8:00 am-1:00 pm  JOINT Committee on Animal Emergency Management
Auditorium IV
9:00 am-6:00 pm  AAVLD Exhibits  Beverages 9:30-10:15 & 11:30-1:00; food & bev 3:00; wine/cheese 5:00  Third Floor
9:00 am-6:00 pm  AAVLD Poster Session  Third Floor
11:30 am-12:15 pm  AAVLD House of Delegates and General Membership
Imperial D
11:30 am-12:30 pm  LCEM User Group  Cedar A/B
12:00-1:30 pm  JOINT Student Luncheon  Augusta B

1:00-3:00 pm  AAVLD Scientific Session Pathology I  Imperial A
Moderators: Jamie Henningson and Pablo E. Pineyro
1:00 pm  Pathology findings in veterinary pharmacovigilance cases at the Oklahoma Animal Disease Diagnostic Laboratory: 2013-2015 - Keith L. Bailey, Yoko Nagamori, Akhilesh Ramachandran, Grant Rezabek
1:15 pm  A retrospective study of inflammatory conditions of the large intestine in race horses in California: 1990 – 2015 - Karina Cecilia Fresneda, Luis Hoyos, Ashley E. Hill, Francisco R. Carvallo, Santiago Diab, Francisco Uzal
1:30 pm  Ribonucleic acid (RNA) decay and the estimation of the postmortem interval (PMI) in horses # + † - Lamiya Ryan, Nanny Wenzlow
1:45 pm  Detection of Bovine Viral Diarrhea virus (BVDV) in a Holstein heifer with mucosal disease - Melissa Behr, Kathy L. Toohey-Kurth, Sheila McGuirk, Sarah Jacob
2:00 pm  Hyperplastic goiter in adult dairy cattle - Scott D. Fitzgerald, Chee Bing Ong, Thomas H. Herdt
2:15 pm  An influenza D virus vaccine protects cattle from respiratory disease caused by homologous challenge - Jamie Henningson, Ben Hause, Lucas Huntimer, Shollie Falkenberg, Jodi McGill, Tom Halbur

1:00-3:00 pm  AAVLD Scientific Session Bacteriology I  Imperial B
Moderators: John Dustin Loy and Claire Miller
1:00 pm  Antimicrobial Susceptibility Testing in Veterinary Diagnostic Laboratories in the United States - Beth Harris, David Dargatz, Matthew M. Erdman, Sarah Tomlinson
1:15 pm  Increased frequency of isolation of multi-drug resistant Salmonella I 4,[5],12:i:- from swine with histologic lesions consistent with salmonellosis - Adam Krull, Bailey Lauren Arruda, Kent L. Schwartz, Eric Burrough, Orhan Sahin, Amanda Kreuder
1:30 pm  Culture and Sensitivity Results from Canine and Feline Cystocentesis Samples (2008-2014) - Emily Knebel, Stephen Cole, Shelley C. C. Rankin
1:45 pm  Antimicrobial susceptibility of Streptococcus suis isolated from diseased pigs in a veterinary diagnostic laboratory in the Midwest United States: Association between isolation site, serotype and resistance - Orhan Sahin, Curt Thompson, Lei Dai, Adam Krull, Eric Burrough
2:00 pm  Monitoring and source tracking of multiple antimicrobials resistant enteropathogenic E. coli and resistant genes in a dairy farm † - Asmaa Nady Mohamed
2:15 pm  Creation of a MALDI-TOF Library to Identify Aeromonas salmonicida # * † - Tessa LeCuier, Kimberly Maddox, Dubraska Vanessa Diaz-Campos, Kevin R. Snekvik
2:30 pm  Validation and optimization of the NIH Mold Database for MALDI-TOF MS in veterinary diagnostic setting § - Niesa Kettler, Karen Parlor, Rinosh Joshua Mani
2:45 pm  MALDI-TOF as a novel detection method for Clostridium difficile toxins - Kenitra Hammac, Dian Dian Lin, Kelly Ray, Christina Wilson

1:00-3:00 pm  AAVLD Scientific Session Epidemiology I  Imperial C
Moderators: Michael Martin and Craig N. Carter
1:00 pm  An evaluation of the performance of pre-movement active surveillance testing protocol options for moving pullets during an outbreak of highly pathogenic avian influenza - Sasidhar Malladi, Peter Bonney, Todd Weaver, Amos Ssematimba, David Halvorson, Carol Cardona
1:15 pm  Small flock poultry diagnostics and veterinary training: a new approach to a capacity and emergency preparedness issue - Melanie K. Barham, Marina Louise Brash, Csaba Varga, Leonardo Susta, Lloyd Weber, Al Dam, Elizabeth Black, Michael Petrik, Michele Guerin

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1:30 pm Evaluating the role of distance in the 2015 HPAI outbreak in Minnesota via a spatial transmission kernel - Peter Bonney, Sasidhar Malladi, Todd Weaver, Amos Ssematimba, David Halvorson, Carol Cardona

1:45 pm A comparison of modeling approaches for estimating within-flock disease transmission parameters for the 2015 H5N2 highly pathogenic avian influenza virus outbreak in the United States - Amos Ssematimba, Sasidhar Malladi, Todd Weaver, Peter Bonney, Kelly Patyk, David Halvorson, Carol Cardona

2:00 pm Influenza receptor distribution in little brown bats (Myotis lucifugus) – uncovering the missing link in the influenza virus evolution # * † - Shubhada Krishna Chote, Ruth Nissly, Gitanjali Bhushan, Yin-Ting Yeh, Miranda Sill, Justin Brown, Gregory Turner, Jenny Fisher, Mauricio Terrones, Bhushan Jayarao, Suresh V. Kuchipudi

2:15 pm Rapid, simple and innovative diagnosis of Classical Swine Fever - Alexander Postel, Paul Becher, Denise Meyer

2:45 pm Evaluation of ELISA discrepancy in Porcine Reproductive and Respiratory Syndrome Virus (PRRSV) - Marisa Rotolo, Monica Haddad, Bhushan Jayarao, Suresh V. Kuchipudi

2:30 pm Assessment of ELISA discrepant Equine Infectious Anemia (EIA) samples submitted to the National Veterinary Services Laboratories 0 - Tiffany Palmer, Kevin Lake, Tracy L. Sturgill

1:00-3:00 pm AAVLD Scientific Session Serology Imperial G

1:00 pm Statistical process control (SPC) charts: The operational definition for ELISA quality - Dave Baum, Kelly Boesenberg, Jeff Zimmerman, Luis Gabriel Gimenez-Lirola, Rodger Main, Chong Wang, Calista Koeneke

1:15 pm Assessment of ELISA discrepancy Equine Infectious Anemia (EIA) samples submitted to the National Veterinary Services Laboratories 0 - Tiffany Palmer, Kevin Lake, Tracy L. Sturgill

1:30 pm Diagnosis of Brucella canis infection using serologic assays - Yan Zhang, Jing Cui, Mary Beth Weisner, Anne Parkinson, Jeffrey R. Hayes, Beverly Byrum

2:15 pm Detecting circulating antigens in dogs naturally infected with Heterobalilarzia americana # * † - Jessica Yvonne Rodriguez, Govert J. Van Dam, Karen F. Snowden

2:30 pm Serologic detection of equine antibodies to vaccine and field strains of rabies virus using a multiplex microsphere-based assay - Susan M. Moore, Kaitlin Haukos, Kelley Black, Beth Davis, Judy Edman, Susan M. Moore, Philip Kass, W. David Wilson

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* Graduate Student Oral Presentation Award Applicant

1:15 pm Serum and mammary secretion antibody responses in PEDV-exposed gilts following PEDV vaccination * † - Marisa Rotolo, Monica Haddad, Yaxuan Sun, Luis Gabriel Gimenez-Lirola, Sarah Bade, Chong Wang, Dave Baum, Phillip Gauger, Marlin Hoogland, Rodger Main, Jeff Zimmerman

1:30 pm Quantifying the effect of lactogenic antibody on porcine epidemic diarrhea virus infection in neonatal piglets * † - Korakrit Poonsuk, Jianqiang Zhang, Qi Chen, Wendy Gonzalez, Lucas Correa da Silva Carnion, Yaxuan Sun, Chong Wang, Rodger Main, Jeff Zimmerman, Luis Gabriel Gimenez-Lirola

1:45 pm Pathogenesis and antibody responses of porcine deltacoronavirus in weaned pigs † - Qi Chen, Phillip Gauger, Joseph Thomas, Michael Welch, Priscilla Gerber, Tanja Oppriessing, Paulo Arruda, Drew Magstadt, Luis Gabriel Gimenez-Lirola, Jianqiang Zhang

2:00 pm Pathogenesis of Senecavirus A in swine - Lok R. Joshi, Maureen H. V. Fernandes, Travis Clement, Steven R. Lawson, Fabio Vanucci, Eric A. Nelson, Diego G. Diel
1:00-3:00 pm  
**AAVLD Scientific Session Molecular Diagnostics and Bioinformatics 1** Imperial H  
Moderators: Pamela J. Ferro and Laura B. Goodman  
1:00 pm Rapid microbiome profiling using high performance bioinformatic tools and curated genomic databases - Nur A. Hasan, Poorani Subramanian, Richard Isom, Manoj Dadlani, Karl Nestor, Steve Lerner, Rita Colwell  
1:15 pm Identification of multiple pathogens in clinical samples using Kraken algorithm-based bioinformatics analysis pipeline◊ - Ying Zheng, Qi Chen, Baoqing Guo, Jianqiang Zhang, Philip Gauger, Kyoung-jin Yoon, Sarah Bade, Wendy R. Stensland, Karen Harmon, Rodger Main, Ganwu Li  
1:30 pm Evaluation of targeted next generation sequencing for detection of bovine pathogens in clinical samples - Eman Anis, Ian K. Hawkins, Marcia Ilha, Moges Woldemariam, Woldemariam, Jeremiah T. Saliki, Rebecca P. Wilkes  
1:45 pm High-throughput whole genome sequencing of porcine reproductive and respiratory syndrome virus from cell culture materials and clinical specimens using next-generation sequencing technology - Jianqiang Zhang, Ying Zheng, Qi Chen, Sarah Bade, Kyoung-jin Yoon, Karen Harmon, Philip Gauger, Rodger Main, Ganwu Li  
2:00 pm Detecting porcine coronaviruses PEDV, PDCoV, and TGEV by real-time reverse transcriptase PCR - Robert Sterling Tebbs, Angela Burrell, Adam Allred, Michelle Swimley, Quoc Hoang, Johnny Callahan, Richard Conrad  
2:15 pm Application of digital PCR for the detection and association of major Shiga toxicogen Escherichia coli serogroups and key virulence genes - Jianfa Bai, Xuming Liu, Lance Wade Noll, Xiaorong Shi, Andrew O’Guin, Jamal Mitchell, Brent Dalke, T.G. Nagaraja, Gary Anderson  
2:45 pm Validation and implementation of a 48-hour CWD test in tester and diagnostic veterinary submitted samples - Davin Henderson, Nicholas James Haley, Edward Hoover

1:00-3:00 pm  
**AAVLD Laboratory Administrative Management Personnel Committee** Imperial E  
1:00-6:00 pm  
**National Assembly of State Animal Health Officials** Guilford G  
3:00-4:00 pm  
**AAVLD Poster Session – Authors present** Third Floor  
3:00-5:00 pm  
**Committee on Diagnostic Laboratory and Veterinary Workforce Development** Imperial C  
3:00-5:00 pm  
**AAVLD Laboratory Safety Committee** Cedar A/B  
3:00-6:00 pm  
**Applied Animal Health, Public Health Research and Extension Veterinarians Symposium** Pebble Beach  
3:30-4:15 pm  
**AAVLD Bacteriology Steering Committee** Imperial B  
3:30-5:30 pm  
**AAVLD Government Relations Committee** Imperial E  
3:30-5:45 pm  
**AAVLD Diagnostic Pathology Slide Seminar** Imperial A  
3:30-6:30 pm  
**JOINT Committee on Environment and Toxicology** Imperial G  
5:30-7:30 pm  
**AAVLD/NAHLN Laboratory Directors Committee** Augusta

**Symbols at the end of titles indicate the following designations:**  
§ AAVLD Laboratory Staff Travel Awardee  
# AAVLD Trainee Travel Awardee  
+ AAVLD/ACVP Pathology Award Applicant  
◊ USAHA Paper  
* Graduate Student Poster Presentation Award Applicant  
† Graduate Student Oral Presentation Award Applicant
Daily Events (cont.) Sunday, October 16

Registration Hours: 7:00 am-5:00 pm

6:30-8:00 am  
Prayer Breakfast  
Grandover East

7:00-8:30 am  
USAHA District Breakfast (NE, S, W, NC, Allied), sponsored by Trace First  
Blue Ashe

8:00-9:45 am  
AAVLD Scientific Session Bacteriology 2  
Imperial B  
Moderator: Kris A. Clothier

8:00 am  
Streptococcus halichoeri, an emerging zoonotic pathogen. §  
Eric W. Lee, Rebecca Franklin-Guild, Anil J. Thachil

8:15 am  
Factors and causal organisms associated with bacterial abscesses in goats from cases submitted to the California Animal Health and Food Safety Lab System from 2007-2014 - Kris A Clothier, Michelle Schack, Ashley E. Hill

8:30 am  
Phenotypic characteristics and virulence genotypes of Trueperella pyogenes strains isolated from ruminants - Artem Rogovsky, Sara Lawhon, Kay Dunkan, Chris Gillis, Helen Hurley, Kathryn Kuczmannski, Kranti Kongantj, Jing Wu, Ching-Yuan Yang

8:45 am  
Assessing genetic diversity within Moraxella isolates from cattle; application of high resolution melt analysis for rapid sequence typing - John Dustin Loy, Joshua Payne, Aaron Dickey, Michael L. Clawson

9:00 am  
Validation of a 24-hour enrichment followed by quantitative PCR to decrease turnaround time and improve detection of Salmonella in clinical samples and environmental surveillance - Adam Krull, Carly Kanipe, Karen Harmon, Laura Bradner, Amanda Kreuder

9:15 am  
Genotypic and phenotypic characterization of Salmonella enterica serovar Dublin in cattle - Milton Thomas, Anil J. Thachil, Sudeep Ghimire, Amy Glaser, Angela E. Pillatzki, Russ Daly, Eric A. Nelson, Jane Christopher-Hennings, Joy Scaria

9:30 am  
International impact of invalid Salmonella laboratory testing methods on public health - Megin Nichols

8:00-9:45 am  
AAVLD Scientific Session Virology 2  
Imperial F  
Moderator: Diego G. Diel

8:00 am  
Complete genome sequencing and phylogenetic analysis of cervid adenovirus from naturally occurring cases in Wyoming, Washington, and Colorado - Myrna M. Miller, Todd Cornish, Jennifer McKenna, Marce Vasquez

8:15 am  
Identification of a novel virus causing mass mortalities in an endangered species of freshwater turtle - Jing Zhang, Melinda Frost, Andrew J. Read, Mukesh Srivastava, Kate Parrish, Deborah S. Finlason, Sarah Gestier, Xingnian Gu, Jane Hall, Karrie Rose, Peter Daniel Kirkland

8:30 am  
Observations on embryo mortality during avian influenza virus propagation from wild birds - Beate Crossley, Munashe Chigerwe, Kathy L. Toohey-Kurth, Hon Ip, Mia Kim Torchetti, John Baroch

8:45 am  
Evaluation of oral swabs as a sample for FMDV surveillance - Peter Daniel Kirkland, Rodney J. Davis, Bermd Haas, Kerstin Wernike, Martin Beer

9:00 am  
Detection of Foot and Mouth Disease virus serotypes and persistence of infection induced antibody against FMD in naturally infected cattle # †  
Laila Akhter

9:15 am  
In vivo bioluminescent imaging of J Paramyxovirus (JPV) infection # † - Mathew Abraham, Zhuo Li, Biao He

9:30 am  
Break

Daily Events (cont.) Sunday, October 16

10:15-11:30 am  
AAVLD Molecular Diagnostics and Informatics 2  
Imperial F  
Moderator: Karen Harmon

10:15 am  
Development and validation of the VetMAXTM-Gold MAP detection kit - Angela Burrell, Ivan Leyva Baca, Rohan Shah, Daniel Kephart

10:30 am  
Comparison of four DNA extraction methods for the detection of Mycobacterium avium subspecies paratuberculosis from the VersaTrek broth cultures by polymerase chain reaction - Nagaraja Thirumalapura, Willard Feria, Deepanker Tewari

10:45 am  
Improved performance and turnaround time of PRRSV PCR using optimized TaqMan® Fast Virus 1-Step Master Mix - Kelly Smith, Sarah Bade, Phillip Gauger, Karen Harmon

11:00 am  
Prevalence of Porcine Parainfluenza Virus Type 1 (PPIV-1) in diagnostic specimens § - Kevin Lin, Sarah Bade, Karen Harmon, Pablo E. Pinedy, Jianqiang Zhang, Phillip Gauger

11:15 am  
Survey of inhibitor resistance in qPCR/qRTPCR master mixes § - Derek Grillo, Sarah Read, Sharon Matheny, Richard Conrad

8:00-11:30 am  
AAVLD Scientific Session Epidemiology 2  
Imperial C  
Moderators: Albert Rovira and Ashley E. Hill

8:00 am  
Agricultural animal population database and case study for the DTRA BSVE # - Jamie L. Barnabei, Anna M. Dixon, Danielle S. Fields, Catharine Weber, Shawn S. Jackson, Erin T. Lauer, Eric Hess, Margaret A. Rush

8:15 am  
Achieving efficiency: Systems for receiving case submissions in a high throughput veterinary diagnostic laboratory - Katie Woodard, Michelle Grabosch, Kelly Boesenberg, Wendy R. Stensland, Dave Baum, Rodger Main

8:30 am  
Attaining document control compliance using the I.D.E.A.S. framework - Susan L. Martin, Thomas James Reilly, Timothy Evans, Shuping Zhang

8:45 am  
Podcasts as a tool to enhance communications, lab sample quality, continuing education, and emergency preparedness with practicing veterinarians - Melanie K. Barham, Andrew Vince, Michael Deane

9:00 am  
U.S. survey of AAVLD veterinary diagnostic laboratory Leptospirosis diagnostic capabilities - Gloria Gellin, Craig N. Carter, Jackie Smith, Erdal Erol

9:15 am  
Break

10:00 am  
Holstein single nucleotide polymorphisms analyzed by genome wide association study for associations with mastitis resistance and susceptibility - David J. Wilson

10:15 am  
Frequency of detection and serotype distribution of Salmonella in backyard poultry flocks in California - Kris A. Clothier, Asli Mete, Stephen J. Wilson, Andrew Vince, Ashley E. Hill

10:30 am  
Vesicular stomatitis virus in Colorado horses: seroprevalence and associated risk factors * † - Anna Claire Fagre, Kristy Pabilonia, Gabriele Landolt, Christie Mayo

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#  AAVLD Trainee Travel Awardee
+  AAVLD/ACVP Pathology Award Applicant
◊  USAHA Paper
*  Graduate Student Poster Presentation Award Applicant
†  Graduate Student Oral Presentation Award Applicant
10:45 am A deterministic model to quantify risk and guide mitigation strategies to reduce bluetongue virus transmission in California dairy cattle - Christie Mayo, Courtney Shelley, N. James MacLachlan, Ian Gardner, David Hartley, Christopher Barker

11:00 am Estimation of sensitivity of pooled sample testing in surveillance for dwarf gourami iridovirus (Ictherus spleen and kidney necrosis virus) - Paul M. Hick, Sophia Johnson, Andrew Robinson, Alison Tweedie, Anneke Rimmer, Joy A. Becker

11:15 am A qualitative risk assessment of likelihood of introduction of Brucella serotypes into Egypt from Sudan via illegal camel trade † - Asmaa Nady Mohamed

8:00-11:30 am 

AAVLD Scientific Session Toxicology Imperial G

Moderators: David Borts and Larry J. Thompson

8:00 am Metabolomics tools...is your lab ready? David Borts

8:15 am A metabolomics study for detection of novel serum biomarkers of microcystin LR intoxication - Ann Perera, Lucas Showman, Elisane Camana, Belinda Mahama, Poojya Vellareddy Anantharam, Wilson Kiiza Rumbleha

8:30 am Translational studies on efficacy of cobinamide or thiamine for treatment of hydrogen sulfide-induced neurodegeneration - Poojya Vellareddy Anantharam, Elizabeth Whitley, Belinda Mahama, Dongkuk Kim, Dwayne Edward Schrunk, Paula Martin Imerman, Gerard Boss, Wilson Kiiza Rumbleha

8:45 am Xylitol detection in meat and dog food by Fourier transform Infrared spectroscopy - Deon Van der Merwe, Keith B. Byers

9:00 am Paint ball toxicosis: A case review - Dwayne Edward Schrunk, Steve M. Ensley, Laura Vander Stelt

9:15 am Break

10:15 am Development of posterior ataxia, paralysis and myelitis in cesarean-derived colostrum-deprived pigs following experimental inoculation with either Teschovirus A serotype 2 or serotype 11 - Franco Sebastian Matias Ferreyra, Bailey Lauren Arruda, Darin Madson, Kent L. Schwartz, Gregory Stevenson, Jianqiang Zhang, Qi Chen, Kyong-Jin Yoon, Paulo Arruda


10:45 am arsenic toxicosis in dairy calves - Alexander D. Hamberg, Lisa A. Murphy, Lore Boger

11:00 am Morphological correlation of gammaherpesvirus-5 cellular replication with immune and inflammatory responses in equine multinodular pulmonary fibrosis - Brieuc Cossic, Matthew Pennington, Gerlinde Van de Walle, Amy Glaser, Gerald E. Duhamel

11:15 am Pathologic findings in horses experimentally infected with Equine herpesvirus-1 and mutants of differing neuropathogenic potential - Matti Kupel, Matti Kupel, Carine Holz, M. Wilson, Lila Marek Zarski, Rahul K. Nelli, Anthony Pease, Gisela Soboll Hussey

11:30 am Diagnostic challenges in the first confirmation of sporadic bovine encephalomyelitis (Chlamydia pecorum encephalitis) in New Zealand - Kelly Buckle, Hayley Hunt, John Munday, Geoff Orbell, Hye-Jeong Ha

Symbols at the end of titles indicate the following designations:

□ AAVLD Laboratory Staff Travel Awardee

◊ AAVLD Trainee Travel Awardee

† AAVLD/ACVP Pathology Award Applicant

© USAHA Paper

* Graduate Student Poster Presentation Award Applicant

† Graduate Student Oral Presentation Award Applicant
Daily Events (cont.) Sunday, October 16

8:00 am-12:00 pm AAVLD Laboratory Administrative Management Personnel Committee Imperial H
8:00 am-12:00 pm Food Safety Symposium hosted by the American Association of Food Safety and Public Health Vets (AAFSPHV) in joint with National Association of Federal Vets (NAFV) Victoria A
9:00-11:30 am Northeast District Meeting Sandpiper
9:00-11:30 am North Central District Meeting Tidewater
9:00-11:30 am Southern District Meeting Pebble Beach
9:00-11:30 am Western District Meeting Victoria C
9:00 am-12:00 pm AAVLD Poster Session Third Floor
9:00 am-1:00 pm AAVLD Exhibits – food & beverages Third Floor
9:30 am-12:00 pm Spouses Brunch Pinehurst
12:00-1:00 pm USHA Committee on Audit Oyster Bay
12:00-2:00 pm AAVLD Pathology Committee Imperial C
12:00-3:00 pm JOINT Committee on NAHLN Grandover East (National Animal Health Laboratory Network)
12:30-5:00 pm AUSA Committee on Wildlife Diseases Victoria A
12:30-5:30 pm USAHA Committee on Import, Export and International Standards Imperial B
12:30-5:30 pm USAHA Committee on Import, Export and International Standards Victoria B
12:30-5:00 pm AAVLD Racehorse Pathology/Diagnostics Special Session, sponsored by The Jockey Club, Agilent, and Centaur Imperial A
Chair and co-chair: Francisco Uzal (UC Davis) and Laura Kennedy (University of Kentucky)
2:00 pm Basic anatomic and pathological nomenclature of the musculoskeletal system in race horses. Approach to finding pre-existing lesions - Sue Stover (UCDavis)
2:45 pm Post-mortem protocol for musculoskeletal lesions of race horses - Santiago Diab (UCDavis)
3:15 pm Break
3:30 pm Regulatory aspects of horse racing pathology - Mary Scollay (Kentucky Horse Racing Commission) and Megan Romano (University of Kentucky)
4:00 pm The race horse post-mortem program in Kentucky - Laura Kennedy (University of Kentucky)
4:15 pm The race horse post-mortem program in Oklahoma - Grant Rezabek (Oklahoma State University).
4:30 pm The race horse post-mortem program in California - Francisco Uzal (UCDavis)
4:45 pm General discussion
3:00-5:00 pm AAVLD-NSVL Proficiency Testing Committee Imperial C
3:00-6:00 pm AAVLD – Strategic Planning Committee Imperial H
3:00-6:00 pm JOINT Committee on Animal Health Surveillance and Information System Imperial F
4:00-5:30 pm USAHA District at-Large Meeting (Allied, Industry, and Regional Delegates) Sandpiper
5:00-6:00 pm USAHA New Member Orientation Grandover East
5:30-6:30 pm Presidents’ Reception Guilford A/B/C
6:30-9:00 pm USAHA/AAVLD President’s Dinner & General Meeting Guilford ABC
Sponsored by Thermo Fisher Scientific and Merial
Presiding - Dr. Tom Baldwin, AAVLD President and Dr. David Schmitt, USAHA President
Memorial Service
Recognition of Sponsors
Welcome to North Carolina
USAHA President’s Remarks
AAVLD President’s Remarks
Sponsor Acknowledgement
APHIS Administrator’s Award
National Assembly Award
USAHA Awards
AAVLD Awards
Daily Events (cont.)       Monday, October 17

Registration Hours: 7:30 am-5:00 pm

7:00-8:00 am  AAVLD Past Presidents Breakfast  Olympia
7:00-8:00 am  Continental Breakfast  Imperial Foyer

8:00 am-12:00 pm  JOINT Plenary Scientific Session: Challenges, High Tech Solutions and Success Strategies in Animal Agriculture
                  Imperial DEFGH

Moderator: Max Armstrong

8:00 am  Opening Remarks - Boyd Parr, Pat Halbur
8:10 am  Initial Remarks from Moderator - Max Armstrong
8:25 am  Economic challenges and opportunities facing U.S. animal agriculture - David Kohl
9:10 am  Challenges and Opportunities for US Animal Agriculture: Meeting the demands of global and domestic markets while fighting burdensome regulation - Dale Moore
9:55 am  Panel Discussion
10:05 am  Break
10:20 am  Experiences with Precision Livestock Farming in Europe - Daniel Berckmans
11:05 am  Precision breeding to advance animal health and welfare - Randall Prather
11:50 am  Panel Discussion

8:00 am-5:00 pm  USAHA Display Tables  Third Floor
9:30 am-10:00 am  Break  Third Floor
11:00 am-8:00 pm  Directors of State Meat Inspection  Colony A
12:00-12:30 pm  USAHA Membership Luncheon & Meeting, sponsored by Merial  Imperial DEFGH
12:00-12:45 pm  AAVLD House of Delegates  Colony B
1:00-5:00 pm  USDA-ARS National Animal Health Research Review  Imperial A
1:00-5:00 pm  USAHA Subcommittee on Farmed Cervidae  Augusta
1:00-6:00 pm  USAHA Committee on Infectious Diseases of Horses  Auditorium II
1:00-6:00 pm  USAHA Committee on Transmissible Diseases of Poultry and Other Avian Species (Monday & Tuesday)  Auditorium III
1:00-6:00 pm  USAHA Committee on Brucellosis  Auditorium IV
1:00-6:00 pm  USAHA Committee on Transmissible Diseases of Swine  Grandover West
1:00-6:00 pm  USAHA Committee on Tuberculosis Scientific Advisory Subcommittee  Grandover East
1:30-3:30 pm  AAVLD Committee Chairs and Program Committee  Pebble Beach
2:30-3:30 pm  Break  Third Floor
3:30-5:00 pm  USAHA and AAVLD Executive Committees  Pebble Beach
5:30-8:00 pm  National Association of Federal Veterinarians  Imperial B
6:00-7:00 pm  USAHA Board of Directors Meeting  Imperial D
7:00-10:00 pm  Monday Night Reception, hosted by GlobalVetLINK  Club Fifth

Daily Events (cont.)       Tuesday, October 18

Registration Hours: 7:30 am-5:00 pm

7:30-9:30 am  USAHA Past President Breakfast  Turnberry
8:00-9:00 am  National Scrapie Oversight Board  Imperial B
8:00 am-12:00 pm  USAHA Committee on Captive Wildlife and Alternative Livestock  Colony B
8:00am-12:00 pm  USAHA Committee on Livestock Identification  Guilford F
8:00 am-12:00 pm  USAHA Committee on Pharmaceutical Issues  Imperial F
8:00 am-12:00 pm  USAHA Committee on Salmonellosis  Imperial C
8:00 am-5:00 pm  USAHA Display Tables  Third Floor
8:00 am-5:30 pm  USAHA Committee on Foreign and Emerging Diseases  Guilford E

Time Specific Paper
Committee on Foreign and Emerging Diseases
Tuesday, October 18 • 1:30-2:15pm
Global Efforts towards Peste des petits ruminants Eradication
Bouna Diop

8:00 am-5:30 pm  Directors of State Meat Inspection  Colony A
9:00 am-12:00 pm  USAHA Committee on Scrapie  Imperial B
9:30-10:30 am  Break  Third Floor
10:00 am-12:00 pm  American Association of Avian Pathologist Liaison with AVMA  Imperial E
1:00-5:30 pm  USAHA Committee on Public Health and Rabies  Imperial GIH

Time Specific Paper
Committee on Public Health and Rabies
Tuesday, October 18 • 3:40pm
Insights into Rabies Virus Spread as Revealed by Whole Genome Sequencing
Susan A. Nadin-Davis, PhD, Canadian Food Inspection Agency

1:00-5:30 pm  USAHA Committee on Sheep and Goats  Imperial B
1:00-5:30 pm  USAHA Committee on Transmissible Diseases of Poultry and Other Avian Species (Monday & Tuesday)  Auditorium III
1:00-5:30 pm  USAHA Committee on Tuberculosis  Guilford D
1:00-5:30 pm  USAHA Committee on Biologics and Biotechnology  Imperial F
2:30-3:30 pm  Break  Third Floor
6:00-7:00 pm  USAHA Board of Directors Meeting  Imperial D
Daily Events (cont.)  Wednesday, October 19

Registration Hours: 7:30-10:00 am

8:00 am-12:00 pm  USAHA Display Tables  Third Floor
8:00 am-12:00 pm  One Health Symposium - Lyme Disease  Auditorium II
8:00 am-12:00 pm  USAHA Committee on Animal Welfare  Imperial A/B
8:00 am-12:00 pm  USAHA Committee on Parasitic & Vector Borne Diseases  Imperial C
9:30-10:30 am  Break  Third Floor
2:00-3:30 pm  USAHA Business Session - Membership Meeting  Imperial A/B
3:30-4:30 pm  USAHA Board of Directors Meeting  Imperial D
6:00 pm  USAHA Executive Committee Meeting and Dinner  Turnberry

2016 USAHA Committees

USAHA/AAVLD Committee on Animal Emergency Management
Chair: Heather Simmons, TX
Vice Chair: Charlotte Krugler, SC
Sara Ahola, CO; Bruce Akey, TX; Kelli Almes, KS; James Amundson, IA; Gary Anderson, KS; Marianne Ash, IN; James Averill, MI; Lyndon Babcoe, WA; Deanna Baldwin, MD; Karen Beck, NC; Tammy Beckham, KS; Lisa Becton, IA; Danelle Bickett-Weddle, IA; Patricia Blanchard, CA; Fred Bourgeois, LA; Richard Breitmeyer, CA; Becky Brew-Walker, AR; Gary Brickler, CA; Charlie Broaddus, VA; William Brown, KS; Minden Buswell, WA; Bruce Carter, IA; Gregory Christy, FL; Matt Cochran, TX; Dustin Cox, NM; Stephen Crawford, NH; Tamie Cmcs, KS; Wendy Cuevas-Espeland, GA; Marie Culhane, MN; Susan Culp, TX; Glenda Davis, AZ; Ignacio dela Cruz, MP; Leah Dorman, OH; Brandon Doss, AR; Thomas Easley, MO; Cheryl Eia, IL; Bregid Elches, MS; Dee Ellis, TX; Larry Elksen, IA; François Elvinger, NY; Kent Fowler, CA; Mallory Gaines, CO; Susan Gale, AZ; Tam Garland, TX; Cyril Gay, MD; Robert Gerlach, AK; Michael Gäslöf, MD; Linda Glaser, MN; Patricia Godwin, KY; Timothy Goldsmith, MN; Alicia Gorczyca-Southland, OK; Larry Granger, CO; Kristin Haas, VT; Rod Hall, OK; Timothy Hanosh, NM; Charles Hatcher, TN; Greg Hawkins, TX; Burke Healey, CO; Carl Heckendorf, CO; Julie Helm, SC; Kristi Henderson, IL; Melinda Hergert, TX; Linda Hickam, MO; Rick Hill, IA; Heather Hirst, DE; Donald Hoenig, ME; Guy Hohenhaus, MD; Dennis Hughes, NE; Pamela Hullinger, CA; David Hunter, MT; Carla Huston, MS; Russell Iselt, TX; Beth Johnson, KY; Annette Jones, CA; Jamie Jonker, VA; Subhashinie Karivayawasam, PA; Darlene Konkle, WI; Charlotte Krugler, SC; TR Lansford, TX; Dale Lauer, MN; Elizabeth Lautner, IA; Delorias Lenard, SC; Randall LeVings, IA; Chuck Lewis, IA; Tsang Long Lin, IN; Mary Lis, CT; Eric Liska, MT; Kevin Maher, IA; Bret Marsh, IN; Barbara Martin, IA; Sarah Mason, MN; Chuck Massengill, MO; Rose Massengill, MO; James Maxwell, FL; Paul McGraw, WI; Sara McReynolds, ND; David Meeker, VA; Shelley Mehlenbacher, VT; Marvin Meinders, VA; Emily Meredith, VA; Gay Miller, IL; Mendel Miller, SD; Janice Mogan, IA; Alfred Montgomery, DC; Peter Mundschien, AZ; Lee Myers, GA; Yvonne Nadler, IL; Sherrie Nash, MT; Cheryl Nelson, KY; Sandra Norman, IN; Kristen Obbink, IA; Dustin Oedekevonden, SD; Kenneth Olson, IL; Claudia Osorio, MD; Kristy Pabilonia, CO; Elizabeth Parker, TX; Steve Parker, GA; Boyd Farr, SC; Janet Payeur, IA; Virginia Pierce, MD; Barbara Porter-Spalding, NC; Lisa Quirou, CA; Jeanne Rankin, MT; Renate Reimischwesel, M; M. Gatz Riddell, Jr., Al; Julia Robpath, IA; Paul Rodgers, WV; Keith Roehr, CO; Susan Rollo, TX; James Roth, IA; Margaret Rush, MD; Mo Salmon, CO; John Sanders, WV; Michael Sanderson, KS; David Scarle, IL; Joni Schettel, MN; David Schmitt, IA; Renee See, WV; Mark Shearer, IA; Gary Sherman, DC; Kathryn Simmons, DC; Heather Simmons, TX; Julie Smith, VT; David Smith, NY; Justin Smith, KS; Harry Snelson, NC; Diane Stach, LA; Patricia Stonger, WI; Nick Sneath, CO; Darrel Styles, MD; Manoel Tamassia, NJ; Belinda Thompson, NY; Peter Timoney, KY; Jeff Turner, TX; Liz Wagstrom, DC; John Walther, LA; James Watson, MS; Patrick Webb, IA; Michelle Willette, MN; Brad Williams, TX; Raquel Wong, HI; Christopher Young, GA.

USAHA/AAVLD Committee on Animal Health Surveillance and Information Systems
Chair: Marianne Ash, IN
Vice Chair: Kate Mueller, IA
Sara Ahola, CO; Bruce Akey, TX; Marianne Ash, IN; James Averill, MI; Rich Baca, CO; Karen Beck, NC; Karen Becker, DC; Tammy Beckham, KS; Lisa Becton, IA; Charlie Broaddus, VA; Stan Bruntz, CO; Craig Carter, KY; Mal Cartwright, AB; Matt Cochran, TX; Marie Culhane, MN; Anita Edmondson, CA; Francois Elvinger, NY; Tam Garland, TX; Joseph Garvin, VA; Alicia Gorczyca-Southland, OK; Kristin Haas, VT; Patrick Halbur, IA; Neil Hammerschmidt, MD; Charles Hatcher, TN; Kristi Henderson, IL; Ashley Hill, CA; John Huntley, AZ; Marv Jahde, KS; Annette Jones, CA; Jamie Jonker, VA; Ellen Kanetz, CO; Diane Kitchen, FL; Elizabeth Lautner, IA; Donald Lear, NY; Janet Maass, CO; Kevin Maher, IA; Rodger Main, IA; Stu Marsh, AZ; Michael Martin, SC; Rose Massengill, MO; Patrick McDonough, NY; Shelley Mehlenbacher, VT; Gay Miller, IL; Kate Mueller, IA; Roger Parker, TX; Barbara Porter-Spalding, NC; Margaret Rush, MD; Mo Salmon, CO; David Scarle, IL; Stacey Schwabenlander, MN; David Smith, NY; Patricia Stonger, WI; Jessie Trujillo, IA; James Watson, CAN; Patrick Webb, IA; Michelle Willette, MN; Nora Wineland, MO.
2016 USAHA Committees (cont.)

Committee on Animal Welfare
Chair: Belinda Thompson, NY
Vice Chair: Chelsea Good, MO

Committee on Aquaculture
Chair: Lester Khoo, MS
Vice Chair: William Keleher, ME

Committee on Biologics and Biotechnology
Chair: Donna Gatewood, IA
Vice Chair: Joseph Huff, CO

Committee on Brucellosis
Chair: Marty Zaluski

Committee on Captive Wildlife and Alternative Livestock
Chair: Peregrine Wolff, NV
Vice Chair: Julie Napier, NE

USAHA/AAVLD Committee on Aquaculture
Chair: Lester Khoo, MS
Vice Chair: William Keleher, ME

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Chair: Belinda Thompson, NY
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Committee on Brucellosis
Chair: Marty Zaluski

Committee on Captive Wildlife and Alternative Livestock
Chair: Peregrine Wolff, NV
Vice Chair: Julie Napier, NE
2016 USAHA Committees (cont.)

USAHA/AAVLD Committee on Diagnostic and Veterinary Workforce Development
Chair: Gary Anderson, KS
Vice Chair: Valerie Ragan, VA

Gary Anderson, KS; John Clifford, DC; Karen Conyngham, TX; S. Peder Cuneo, AZ; Rebecca Davies, MN; Ron DeHaven, CA; James England, ID; Katherine Flynn, CA; Richard French, NH; Mallory Gaines, CO; Francis Galey, WV; Tam Garland, TX; Joseph Garvin, VA; Michael Gilsdorf, MD; Thomas Gomez, GA; Timothy Hanos, NM; Kristi Henderson, IL; Pamela Hullinger, CA; Elizabeth Lautner, IA; Randall Levings, IA; Gina Luke, DC; Andrew Maccabe, DC; Bret Marsh, IN; Barbara Martin, IA; Grant Maxie, ON; Terry McElwain, WA; Stacy Morris, TX; Eileen Oslund, IA; Donal O’Toole, WV; Kristy Pabilonia, CO; Lanny Pace, MS; Elizabeth Parker, TX; Barbara Powers, CO; Valerie Ragan, VA; Willie Reed, IN; M. Gatz Riddell, Jr., AL; Jennifer Rudd, VA; David Scarfe, IL; Marc Schwabenbender, MN; Kathryn Simmons, DC; David Steffen, NC; Richard Willer, HI; William Wilson, KS; David Zeman, SD.

USAHA/AAVLD Committee on Environment and Toxicology
Chair: Tim Evans, MO
Vice Chair: Alfonso Clavijo, KS

Cat Barr, TX; Adrienne Bautista, CA; Karyn Bischoff, NY; John Buchweitz, MI; Steven Ensley, IA; Tim Evans, MO; Michael Filgenzi, CA; Francis Galey, WV; Tam Garland, TX; Cynthia Gaskill, KY; Ramesh Gupta, KY; Jeffery Hall, UT; Dwayne Hamar, CO; Brent Hoff, ON; Stephen Hooser, IN; Paula Imerman, IA; Sandra James-Yi, VA; Joe Kendall, AB; Patrice Klein, DC; Gene Lollis, FL; Randall Lovell, MD; Geraldine Magnin-Bissel, VA; David Meeker, VA; Mary Mengel, IN; Michelle Mostrom, ND; Gene Niles, CO; Eileen Oslund, IA; Stephanie Ostrowski, AL; Robert Poppenga, CA; Renate Reimschuessel, MD; Wilson Rumbeha, IA; Nick Schrier, ON; Lori Smith, KY; Patricia Talcott, WA; Larry Thompson, MO; Deon Van der Merwe, KS; Christina Wilson, IN.

Time Specific Paper
Committee on Foreign and Emerging Diseases
Tuesday, October 18 • 1:30-2:15pm
Global Efforts towards Peste des petits ruminants Eradication
Bouna Diop

Committee on Foreign and Emerging Diseases
Chair: Tammy Beckham, KS
Vice Chair: Alfonso Clavijo, KS

Helen Acland, PA; Bobby Acord, NC; Bruce Akey, TX; Gary Anderson, KS; Celia Maria Antognoli, CO; James Averill, MI; Lyndon Badcoe, WA; Jamie Barnabei, TX; Mihit Baxi, ON; Karen Beck, NC; Tammy Beckham, KS; Lisa Becton, IA; Peter Belinsky, RI; Bob Bobka, MD; Bethany Bradford, VT; Philip Bradshaw, IL; Richard Breitmeyer, CA; Deborah Brennan, MS; Becky Brewer-Walker, AR; Charlie Broadus, WA; Charles Brown II, WI; Kenneth Burton, KS; Bruce Carter, IA; Michael Carter, MD; Gregory Christy, FL; Alfonso Clavijo, KS; Matt Cochran, TX; Dana Cole, CO; Joseph Corn, CA; Paula Cownen, CO; Stephen Crawford, NH; Wendy Cuevas-Espelid, GA; Susan Culp, TX; S. Peder Cuneo, AZ; Glenda Davis, AZ; Donald Davis, TX; Ignacio dela Cruz, MP; Dubraska Diaz-Campos, WA; Kathy Finnerty, MA; Mallory Gaines, CO; Tam Garland, TX; Robert Gerlach, AK; Chelsea Good, MO; Laura Goodman, NY; Jerry Heidel, OR; Douglas Hepper, CA; Joseph Hill, SC; Susanne Hinkley, NE; Christine Hoang, IL; Donald Hoening, ME; Danny Hughes, AR; John Huntley, AZ; Doreene Hyatt, AZ; Ghazala Jawad, NY; Annette Jones, CA; Ellen Kasari, CA; Susan Keller, IN; Joe Kendall, AB; Hailu Kinde, CA; Daniel Kovich, DC; T.R. Lansford, TX; Dale Lauer, MN; Elizabeth Lautner, IA; Bill Layton, MT; Tsang Long Lin, IN; Gene Lollis, FL; Bret Marsh, IN; David Marshall, NC; Patrick McDonough, NY; Katherine McNamara, VT; David Meekeer, VA; Shelley Mehlkenbacher, VT; Brenda Morningstar-Shaw, WA; Nicole Neeser, MN; Gene Niles, CO; Sandra Norman, IN; Ogi Okuwamaba, WI; Kenneth Olson, IL; Stephanie Ostrowski, AL; Lanny Pace, MS; Elizabeth Parker, TX; Amar Patil, NJ; David Pyburn, IA; John Ragan, VA; Lisa Ramsey, VA; Renate Reimschuessel, MD; Grant Rezabek, OK; M. Gatz Riddell, Jr., AL; Roxana Sanchez-Ingunza, KS; John Sanders, WV; Joni Scheftel, MN; David Schmitt, IA; Craig Shultz, ID; Richard Sibbel, IA; Kathryn Simmons, DC; Harry Snelson, NC; Grant Striegel, CO; Sabrina Swenson, CO; Belinda Thompson, NY; Memi Thompson, MN; John Thomson, IA; Brad Thurston, IN; Peter Timoney, KY; Sarah Tomlinson, CO; Mia Turchetti, IA; Fernando Torres-Velez, NY; Susan Trew, GA; Jeffer Turner, TX; Kathleen Turner, FL; Paul Ugstad, NC; Liz Wagstrom, DC; Mark Walter, PA; James Watson, MO; Patrick Webb, IA; Margaret Wild, CO; Richard Willer, HI; Michelle Willette, MN; Brad Williams, TX; John Williams, MD; William Wilson, KS; Richard Winters, Jr., TX; Raquel Wong, HI; Ching Ching Wu, IN.

Committee on Government Relations
Chair: Barbara Determan, IA

Barbara Determan, IA; Kristin Haas, VT; Timothy Hanos, NM; Annette Jones, CA; Susan Keller, ND; Bruce King, UT; Paul McGrav, WI; Doug Meckes, NC; Boyd Parr, SC; David Schmitt, IA; David Smith, NY; Scott Stuart, CO; Marty Zaluzki, MT.

2016 USAHA Committees (cont.)

USAHA/AAVLD Committee on Food and Feed Safety
Chair: Patrick McDonough, NY
Vice Chair: Craig Shultz, ID

Robin Anderson, TX; Chris Ashworth, AR; James Averill, MI; Deanna Baldwin, MD; Adrienne Bautista, CA; Richard Benton, MS; Karyn Bischoff, NY; Richard Breitmeyer, CA; Deborah Brennan, MS; Beverly Byrum, OH; Wendy Cuevas-Espelid, GA; Glenda Davis, AZ; Ignacio dela Cruz, MP; Dubraska Diaz-Campos, WA; Kathy Finnerty, MA; Mallory Gaines, CO; Tam Garland, TX; Robert Gerlach, AK; Chelsea Good, MO; Laura Goodman, NY; Jerry Heidel, OR; Douglas Hepper, CA; Joseph Hill, SC; Susanne Hinkley, NE; Christine Hoang, IL; Donald Hoening, ME; Danny Hughes, AR; John Huntley, AZ; Doreene Hyatt, AZ; Ghazala Jawad, NY; Annette Jones, CA; Ellen Kasari, CA; Susan Keller, IN; Joe Kendall, AB; Hailu Kinde, CA; Daniel Kovich, DC; T.R. Lansford, TX; Dale Lauer, MN; Elizabeth Lautner, IA; Bill Layton, MT; Tsang Long Lin, IN; Gene Lollis, FL; Bret Marsh, IN; David Marshall, NC; Patrick McDonough, NY; Katherine McNamara, VT; David Meekeer, VA; Shelley Mehlkenbacher, VT; Brenda Morningstar-Shaw, WA; Nicole Neeser, MN; Gene Niles, CO; Sandra Norman, IN; Ogi Okuwamaba, WI; Kenneth Olson, IL; Stephanie Ostrowski, AL; Lanny Pace, MS; Elizabeth Parker, TX; Amar Patil, NJ; David Pyburn, IA; John Ragan, VA; Lisa Ramsey, VA; Renate Reimschuessel, MD; Grant Rezabek, OK; M. Gatz Riddell, Jr., AL; Roxana Sanchez-Ingunza, KS; John Sanders, WV; Joni Scheftel, MN; David Schmitt, IA; Craig Shultz, ID; Richard Sibbel, IA; Kathryn Simmons, DC; Harry Snelson, NC; Grant Striegel, CO; Sabrina Swenson, CO; Belinda Thompson, NY; Memi Thompson, MN; John Thomson, IA; Brad Thurston, IN; Peter Timoney, KY; Sarah Tomlinson, CO; Mia Turchetti, IA; Fernando Torres-Velez, NY; Susan Trew, GA; Jeffer Turner, TX; Kathleen Turner, FL; Paul Ugstad, NC; Liz Wagstrom, DC; Mark Walter, PA; James Watson, MO; Patrick Webb, IA; Margaret Wild, CO; Richard Willer, HI; Michelle Willette, MN; Brad Williams, TX; John Williams, MD; William Wilson, KS; Richard Winters, Jr., TX; Raquel Wong, HI; Ching Ching Wu, IN.

2016 USAHA Committees (cont.)

USAHA/AAVLD Committee on Food and Feed Safety
Chair: Patrick McDonough, NY
Vice Chair: Craig Shultz, ID

Robin Anderson, TX; Chris Ashworth, AR; James Averill, MI; Deanna Baldwin, MD; Adrienne Bautista, CA; Richard Benton, MS; Karyn Bischoff, NY; Richard Breitmeyer, CA; Deborah Brennan, MS; Beverly Byrum, OH; Wendy Cuevas-Espelid, GA; Glenda Davis, AZ; Ignacio dela Cruz, MP; Dubraska Diaz-Campos, WA; Kathy Finnerty, MA; Mallory Gaines, CO; Tam Garland, TX; Robert Gerlach, AK; Chelsea Good, MO; Laura Goodman, NY; Jerry Heidel, OR; Douglas Hepper, CA; Joseph Hill, SC; Susanne Hinkley, NE; Christine Hoang, IL; Donald Hoening, ME; Danny Hughes, AR; John Huntley, AZ; Doreene Hyatt, AZ; Ghazala Jawad, NY; Annette Jones, CA; Ellen Kasari, CA; Susan Keller, IN; Joe Kendall, AB; Hailu Kinde, CA; Daniel Kovich, DC; T.R. Lansford, TX; Dale Lauer, MN; Elizabeth Lautner, IA; Bill Layton, MT; Tsang Long Lin, IN; Gene Lollis, FL; Bret Marsh, IN; David Marshall, NC; Patrick McDonough, NY; Katherine McNamara, VT; David Meekeer, VA; Shelley Mehlkenbacher, VT; Brenda Morningstar-Shaw, WA; Nicole Neeser, MN; Gene Niles, CO; Sandra Norman, IN; Ogi Okuwamaba, WI; Kenneth Olson, IL; Stephanie Ostrowski, AL; Lanny Pace, MS; Elizabeth Parker, TX; Amar Patil, NJ; David Pyburn, IA; John Ragan, VA; Lisa Ramsey, VA; Renate Reimschuessel, MD; Grant Rezabek, OK; M. Gatz Riddell, Jr., AL; Roxana Sanchez-Ingunza, KS; John Sanders, WV; Joni Scheftel, MN; David Schmitt, IA; Craig Shultz, ID; Richard Sibbel, IA; Kathryn Simmons, DC; Harry Snelson, NC; Stan Stromberg, OK; Anil Thachil, NY; Larry Thompson, MO; Bob Tully, KS; Shauna Voss, MN; Liz Wagstrom, DC; Doug Walfman, GA; Robert Wills, MS; Dennis Wilson, CO; Nora Wineland, MO; Jennifer Wishnie, IA; Raquel Wong, HI.
2016 USAHA Committees (cont.)

Committee on Import, Export and International Standards
Chair: Linda Glaser, MN
Vice Chair: Mo Salmon, CO

Bobby Acord, NC; Celia Maria Antognoli, CO; Mohit Baxi, ON; Bob Bokma, MD; Joyce Bowling-Heyward, MD; Charles Brown II, WI; Stan Brunzt, CO; Bruce Carter, IA; Rod Chitty, IA; John Clifford, DC; Karen Conyngham, TX; Michael David, MD; Ron DeHaven, CA; Ignacio dela Cruz, MP; Jacques deMoss, MO; Adis Dijab, AL; Larry Eksen, IA; Conrad Estrada, VA; Anna Claire Fagre, CO; William Fales, MO; John Fischer, GA; Katherine Flynn, CA; Mallory Gaines, CO; Julie Gard, AL; Donna Gatewood, IA; Cyril Gay, MD; Paul Gibbs, FL; Linda Glaser, MN; Gail Golab, IL; Tony Good, OH; Kristin Haas, VT; Keith Hafer, SD; Percy Hawkes, UT; Rick Hill, IA; Robert Hilsenroth, FL; Donald Hoening, ME; Dudley Hoskins, VA; Brad Hoxit, NC; Marv Jahde, KS; Annette Jones, CA; Susan Keller, ND; Bruce King, UT; Elizabeth Lautner, IA; Randall Levings, IA; Linda Logan, TX; Travis Lowe, MN; Kevin Maher, IA; Bret Marsh, IN; Brittany McCauslin, NZ; Shirley McKenzie, NC; Sara Mcdowells, ND; David Meeker, VA; Emily Meredith, VA; Antone Mickelson, WA; Gay Miller, IL; Eric Mohlman, NE; Sandra Norman, IN; Kristen Obbink, IA; Kenneth Olson, IL; Elizabeth Parker, TX; William Pittenger, MO; John Ragan, VA; Tim Richards, HI; Paul Rodgers, WV; James Roth, IA; Mo Salman, CO; David Scalf, IL; Travis Schaal, IA; Shawn Schafer, OH; Charly Seale, TX; Laurie Seale, WI; Sheryl Shaw, WI; Rosemary Siford, NC; Kathryn Simmons, DC; Jonathan Sleeman, WI; Fred Soltero, PR; Matthew Stone, NZ; Manoel Tamassia, NJ; Susan Tellez, TX; Peter Timoney, KY; Alberto Torres, AR; Paul Ugstad, MO; Charles Vail, CO; Mark Walter, PA; James Watson, MS; Patrick Webb, IA; Roger Weigle, WI; Richard Winters, Jr., TX; Cindy Wolf, MN.

Committee on Infectious Diseases of Horses
Chair: Andy Schwartz, TX
Vice Chair: Katherine Flynn, CA

Helen Acland, PA; Sara Ahola, CO; Joyce Bowling-Heyward, MD; Becky Brewer-Walker, AR; Charlie Broadus, VA; Stan Brunzt, CO; Craig Carter, KY; Stephen Crawford, NH; Wendy Cuevas-Espelid, TX; Susan Culp, TX; Glenda Davis, AZ; Brandon Doss, AR; Edward Dubovi, NY; Roger Dudley, NE; Dee Ellis, TX; William Fisch, FL; Katherine Flynn, CA; Rusty Ford, KY; Kent Fowler, CA; Tony Frazier, AL; Robert Gerlach, AK; Paul Gibbs, FL; Nita Grause, IA; Kristin Haas, VT; Rod Hall, OK; Steven Halstead, MI; Timothy Hanosh, NM; Greg Hawkins, TX; Carl Heckendorf, CO; Michael Herrin, OK; Linda Hickam, MO; Russell Iselt, TX; Marv JanDs, KY; Beth Johnson, KY; Bruce King, UT; Don Knowles, WA; T.R. Lansford, TX; Donald Lein, NY; Chuck Lewis, KY; Mary Lis, CT; Kevin Maher, IA; Scott Marshall, RI; Patrick McDonough, NY; Barry Meade, NC; Linda Mittel, NY; Kenton Morgan, MO; Peter Mundsen, AZ; Lee Myers, GA; Alecia Naugle, MD; Cheryl Nelson, KY; Jeffrey Nelson, IA; Sandra Norman, IN; Eileen Ostlund, IA; Boyd Parr, SC; Jeanne Rankin, MT; Grant Rezabek, OK; Jonathan Roberts, LA; Keith Roehr, CO; Dennis Schmitt, MO; Andy Schwartz, TX; Michael Short, FL; David Smith, NY; Justin Smith, LA; Diane Stacy, SC; Robert Stout, KY; Tahnee Szymanski, MT; Manoel Tamassia, NJ; Susan Tellez, TX; Robert Temple, OH; Brad Williams, TX; William Wilson, MS; Cindy Wolf, MN.

Committee on Infectious Diseases of Cattle, Bison and Camelids
Chair: Dale Grotelueschen, NE
Vice Chair: Pat Long, NE

Helen Acland, PA; Chris Ashworth, AR; Danielle Bickett-Weddle, LA; Charlie Broadus, VA; Charles Brown II, WI; Beth Carlson, ND; Karen Conyngham, TX; Stephen Crawford, NH; Susan Culp, TX; Bud Dingess, TX; Edward Dubovi, NY; Roger Dudley, NE; William Edmiston, TX; Anna Edmiston, CA; James England, ID; James Evermann, WA; Kent Fowler, CA; Robert Fulton, OK; Donna Gatewood, IA; Timothy Goldsmith, MN; Dale Groteluescne, NE; Keith Hafer, SD; Thomas Hairgrove, TX; Rod Hall, OK; Timothy Hanosh, NM; Percy Hawkes, UT; Carl Heckendorf, CO; Linda Hickam, MO; Dennis Hughes, NE; David Hunter, MT; Ann Jones, CA; Paul Jones, AL; Bruce King, UT; Diane Kitchen, FL; Randall Larson, IA; John Lawrence, ME; James Leafstetd, SD; Scott Lebsie, ID; Rick Linscott, ME; Coleman Locke, TX; Pat Long, NE; Janet Maass, CO; Chuck Massengill, MO; Patrick McDonough, NY; Shelley Mehlennbacher, UT; Emily Meredith, VA; Mandel Miller, SD; Richard Mock, NC; Igor Morozov, KS; Peter Mundsen, CO; Sherrie Nash, MT; Cheryl Nelson, KY; Kathleen Orloski, CO; Elizabeth Parker, TX; Jeanne Rankin, MT; Grant Rezabek, OK; Tim Richards, HI; Julia Ridpath, IA; Jonathan Roberts, LA; Keith Roehr, CO; Michael Sandersen, KS; Bill Sauble, NM; Dennis Schmitt, MO; Kathryn Simmons, DC; Ben Smith, WA; Justin Smith, KS; Diane Stacy, LA; Nick Striegel, CO; Tahnee Szymanski, MT; Manoel Tamassia, NJ; Susan Tellez, TX; Robert Temple, OH; Brad Williams, TX; William Wilson, CS; Cindy Wolf, MN.

Time Specific Paper
Committee on Import, Export & International Standards
Sunday, October 16 • 1:45pm
FDA and APHIS regulations associated with the import of animal feed, ingredients, and feed containers
Shannon Jordre, FDA Center for Veterinary Medicine, Division of Compliance; Adis Dijab, USDA-APHIS, National Import-Export Services

Time Specific Paper
Committee on Import, Export & International Standards
Sunday, October 16 • 2:35pm
EU Measures to Control African Swine Fever (ASF) & the Spread of Lumpy Skin Disease
Francisco Reviriego – EU commission
2016 USAHA Committees (cont.)

Committee on Livestock Identification
Chair: William Brown, KS
Vice Chair: Kevin Maher, IA

Sara Ahola, CO; Marianne Ash, IN; James Averill, MI; Rich Baca, CO; Bill Barton, ID; Karen Beck, NC; Richard Breitmeyer, CA; Paul Brennan, IN; Becky Brewer-Walker, AR; Charlie Broaddus, VA; William Brown, KS; Nancy Brown, KS; Robert Cobb, GA; Matt Cochran, TX; Michael Coe, KS; Francisco Collazo, FL; Karen Conrungny, TX; Michael Costin, IL; Susan Culp, TX; Bud Dinges, TX; Brandon Doss, AR; Anita Edmondson, CA; James England, ID; Kathy Finnerty, MA; Glenn Fischer, TX; Tony Forshey, OH; Robert Foudraine, WI; Kent Fowler, CA; Kendra Frazier, MI; Tony Frazier, AL; Mallory Gaines, CO; Chelsea Good, MO; Tony Good, OH; Alicia Gorczyca-Southerland, OK; Rod Hall, OK; Steven Halstead, MI; Neil Hammerschmidt, MD; Nephi Harvey, UT; Greg Hawkins, TX; Bill Hawk, DC; Burke Healey, CO; David Heicimovich, WA; Carl Heckendorf, CO; Julie Helm, SC; Kristi Henderson, IL; Linda Hickam, MO; Bob Hillman, ID; Donald Hoening, ME; Joseph Huff, CO; Dennis Hughes, NE; John Huntley, AZ; Russell Isett, TX; Marvin Jahde, KS; Jamie Jonker, VA; Susan Keller, ND; Bradley Keough, KY; Bruce King, UT; Diane Kitchen, FL; Eileen Kuhlmann, MN; J.R. Lansford, TX; James Leafstefd, SD; Brad LeaMaster, OR; Mary Lis, CT; Jim Logan, WV; Gine Lollis, FL; Kevin Maher, IA; Bret Marsh, IN; Stu Marsh, AZ; David Marshall, NC; Michael Martin, SC; Rose Massengill, MO; Jay Mattison, WI; Gretchen May, WI; Paul McGraw, WI; Thomas McKenna, MA; Sara McNichol, ND; Shelley Mehlenbacher, BC; Emily Meredith, VA; Ronald Miller, PA; Mendel Miller, SD; Louis Neuder, MI; Kenneth Olson, IL; Greg Onstott, MO; Elizabeth Parker, TX; Boyd Parr, SC; William Pittenger, MO; Barbara Porter-Spalding, NC; Valerie Ragan, TX; John Ragan, VA; Jeaneen Rankin, MT; Justin Rassin, OK; Keith Roehe, CO; Susan Rollo, TX; Margaret Rush, MD; Larry Samples, PA; Bill Sauble, NM; David Scarfe, IL; Shawn Schaefer, OH; David Schmitt, IA; Stacey Schwabenlander, MN; Andy Schwartz, TX; Charly Seale, TX; Laurie Seale, WI; Craig Shultz, ID; Richard Sibbel, IA; Kathryn Simmons, DC; David Smith, NY; Justin Smith, KS; Diane Staley, LA; Robert Stout, KY; Nick Stiegel, CO; Scott Stuart, CO; Tahnee Szymanski, MT; Manoel Tamassia, NJ; Beth Thompson, MN; Tracy Tomaskic, TX; Jeff Turner, TX; Alex Turner, CO; Mark Walter, PA; John Walter, LA; James Watson, MS; Patrick Webb, IA; Kyle Wilson, TN; Thach Winslow, WY; David Winters, TX; Cindy Wolf, MN; Marty Zaluski, MT; Glen Zebarth, MN; Ernest Zirkle, NJ.

USHA/AAVLD Committee on National Animal Health Laboratory Network
Chair: Barbara Powers, CO
Vice Chair: Harry Snelson, NC

Helen Acland, PA; John Adaska, CA; Bruce Akey, TX; Gary Anderson, KS; Cat Barr, TX; Bill Barton, ID; Tim Baszler, WA; Tammy Beckham, KS; Lisa Becton, IA; Steven Bolin, MI; Richard Breitmeyer, CA; James Britt, AR; Sandra Bushmich, CT; Beverly Byrum, OH; Craig Carter, KY; Emily Cooper, OK; Estela Cornaglia, QC; Dustin Cox, NM; Marie Culhane, MN; Barbara Determan, IA; Edward Dubovi, NY; Francois Elvinger, NY; Ann Fitzpatrick, MN; Richard Fredrickson, IL; Mallory Gaines, CO; Joseph Garvin, VA; Patricia Godwin, KY; Stephen Goldsmith, VA; Patrick Halbur, IA; Steven Halstead, MI; Timothy Hanosh, NM; Beth Harris, IA; Bob Hillman, ID; Stephen Hooser, IN; Pamela Hullinger, CA; Marv Jahde, KS; Bill Johnson, OK; Jim Kistler, FL; Elizabeth Launier, IA; Randall Leavings, IA; Mary Lis, CT; Christina Loiacono, IA; Rodger Main, IA; David Marshall, NC; Barbara Martin, IA; Terry McElwain, WA; Michael McIntosh, TN; Thomas McKenna, MA; Beth Melton, MO; Rey Molina, TX; Igor Morozov, KS; Stacy Morris, TX; Thomas Mullaney, MI; Dustin Oedekoven, SD; Claudia Osorio, MO; Kristy Pabilonia, CO; Lanny Pace, MS; Elizabeth Parker, RO; Roger Parker, TX; Amar Patil, NJ; Robert Poppenga, CA; Barbara Powers, CO; M. Gatz Riddell, Jr., AL; Keith Roehe, CO; Jeremiah Saliki, GA; Renee See, WV; Kathryn Simmons, DC; Harry Snelson, NC; Wendy Stensland, IA; Amy Swinford, TX; Manoel Tamassia, NJ; Deepanker Tewari, PA; Sarah Tomlinson, CO; David Zeman, SD; Shuping Zhang, MO.

2016 USAHA Committees (cont.)

Committee on Nominations and Resolutions
Chair: Bruce King, UT

J Lee Alley, AL; Philip Bradshaw, IL; Richard Breitmeyer, CA; Jones Bryan, SC; Stephen Crawford, NH; Joe Finley, TX; Thomas Hagerty, MN; Steven Halstead, MI; Tim Hanosh, NM; Bob Hoening, ID; Donald Hoening, ME; Bruce King, UT; Maxwell Lea, Jr., LA; James Leafstefd, SD; Donald Lein, NY; Bret Marsh, AZ; Michael Marshall, UT; Paul McGraw, WI; Doug Meckes, NC; David Marshall, NC; Richard McCapes, CA; David Meekers, VA; Lee Myers, GA; John Ragan, WA; Glenn Rea, OR; David Smith, NY; Scott Stuart, CO; H. Wesley Towers, DE; Max Van Buskirk, PA; Richard Willer, HI; Larry Williams, NE; Ernest Zirkle, NJ.

Committee on Parasitic and Vector Borne Diseases
Chair: Dee Ellis, TX
Vice Chair: Diane Kitchen, FL

2016 USAHA Committees (cont.)

Committee on Pharmaceutical Issues
Chair: Liz Wagstrom, DC
Vice Chair: Tim Goldsmith, MN

J Lee Alley, AL; Tim Burkgren, IA; Stephen Crawford, NH; Barbara Determan, IA; Leah Dorman, OH; William Fales, MO; Timothy Goldsmith, MN; Kristi Henderson, IL; Rick Hill, IA; Christine Hoang, IL; Donald Hoening, ME; David Marshall, NC; Shelley Mehlenbacher, VT; Cheryl Nelson, KY; M. Gatz Riddell, Jr., AL; Roxana Sanchez-Ingunza, KS; Joni Schelfet, MN; Craig Shultz, ID; Richard Sibbel, IA; Kathryn Simmons, DC; John Thomson, IA; Liz Wagstrom, DC; Brad Williams, TX; Dennis Wilson, CA; Jennifer Wishnie, IA.
2016 USAHA Committees (cont.)

Committee on Public Health and Rabies
Chair: Tarrie Cnic, KS
Vice Chair: Skip Oertli, TX

Helen Acland, PA; Gary Anderson, KS; Robin Anderson, TX; Karen Becker, DC; Scott Bender, AZ; Joseph Corn, GA; Stephen Crawford, NH; Tarrrie Cnic, KS; Susan Culp, TX; Donald Davis, TX; Ignacio dela Cruz, MP; Thomas DelLiberto, CO; Bridig Elchos, MS; François Elvinger, NY; Anna Claire Fage, CO; Heather Fenton, GA; Katherine Flynn, CA; Nancy Frank, MI; Donna Gatewood, IA; Robert Gerlach, AK; Keith Haffer, SD; Steven Halsted, MI; Bill Hawks, DC; Rick Hill, IA; Christine Hoang, IL; Donald Hoening, ME; Patrice Klein, DC; Daniel Kovich, DC; Emily Lankau, GA; Donald Lein, NY; Chuck Lewis, IA; Mary Lis, CT; Margie Lyness, GA; Joanne Maki, GA; Rose Massengill, MO; Patrick McDonough, NY; Shirley McKenzie, NC; David Meeker, VA; Brenda Morningstar-Shaw, IA; Lee Myers, KY; Megin Nichols, GA; Sandra Norman, IN; Skip Oertli, TX; Steve Parker, GA; Roger Parker, TX; David Pyburn, IA; Renate Reimsschuessel, MD; Susan Rollo, TX; Larry Samples, PA; John Sanders, WV; Joni Schefelt, MN; Stacey Schwabender, MN; Marc Schwenbender, LA; Michael Short, FL; Tom Sidwa, TX; Jonathan Sleeman, WI; David Smith, NY; Nick Stiegel, CO; Tahnee Szymanski, MT; Manoel Tamassia, NJ; Belinda Thompson, NY; Brad Thurston, NJ; Jeff Turner, TX; Liz Wagstrom, DC; Michele Walsh, ME; Margaret Wild, CO; Michelle Willette, MN; Nora Wineland, MO; Jennifer Wishnie, IA; Raquel Wong, HI; Marty Zaluski, MT; Ernest Zirkle, NJ.

Time Specific Paper
Committee on Public Health and Rabies
Tuesday, October 18 • 3:40pm

Insights into Rabies Virus Spread as Revealed by Whole Genome Sequencing
Susan A. Nadin-Davis, PhD, Canadian Food Inspection Agency

Committee on Salmonella
Chair: Donna Kelly, PA
Vice Chair: Shelley Rankin, PA

Robin Anderson, TX; Chris Ashworth, AR; Deanna Baldwin, MD; Karen Becker, DC; Richard Breitmeyer, CA; Paul Brennan, IN; Brandon Doss, AR; François Elvinger, NY; Tony Frazier, AL; Mallory Gaines, CO; Eric Gingerich, IN; Jean Guard, GA; Scott Gustin, AR; Julie Helm, SC; Danny Hughes, AR; Eric Jensen, AL; Annette Jones, CA; Donna Kelly, PA; Michael Kopp, IN; Dale Lauer, MN; Elizabeth Lautner, IA; Chelsie Lawyer, WI; Tsang Long Lin, IN; Rick Linscott, MI; Mary Lis, CT; Sarah Mason, NC; Patrick McDonough, NY; David Meeker, VA; Sarah Mize, CA; Alfred Montgomery, DC; Brenda Morningstar-Shaw, IA; Thomas Myers, MD; Megin Nichols, GA; Steve Olson, MN; Kristy Pabolino, CO; William Pittenger, MO; David Pyburn, IA; Shelley Rankin, PA; Renate Reimsschuessel, MD; G. Donald Ritter, DE; Susan Rollo, TX; Gregorio Rosales, AL; Roxana Sanchez-Ingunza, KS; Travis Schaaf, VA; Joni Schefelt, MN; Richard Sellers, VA; Tom Sidwa, TX; David Smith, NY; Patricia Stonger, WI; Belinda Thompson, NY; Alberto Torres, AR; Bob Tully, KS; Shauna Voss, MN; Liz Wagstrom, DC; Doug Waltman, GA; Nora Wineland, MO; Jennifer Wishnie, IA; Ching Ching Wu, IN; Andrea Zedek, SC; Bereket Zekarias, KS.

Committee on Scrapie
Chair: Cheryl Miller, IN
Vice Chair: Larry Forgey, MO

Celia Maria Antognoli, CO; Celia Maria Antognoli, CO; James Averill, MI; Scott Bender, AZ; Deborah Brennan, MS; Minden Buswell, WA; Beth Carlson, ND; John Clifford, DC; Walter Cook, TX; Susan Culp, TX; Ignacio dela Cruz, MP; Linda Detwiler, NJ; William Edmiston, TX; Anita Edmondson, CA; Dee Ellis, TX; Keith Forbes, NV; Larry Forgey, MO; Michael Gilford, MD; Carl Heckendorf, CO; Amy Hendrickson, WV; Russell Iselt, TX; Paul Jones, AL; Susan Keller, ND; Eileen Kuhlmann, MN; James Leafstedt, SD; Mary Lis, CT; Jim Logan, TX; Jim Logan, WV; David Marshall, NC; Chuck Massengill, MO; Cheryl Miller, IN; Ronald Miller, PA; Jeffrey Nelson, IA; Suelee Robbe-Austerman, IA; Paul Rodgers, WV; Joan Dean Rowe, CA; Mo Salmon, CO; David Scarle, IL; Diane Sutton, MD; Stephen White, WA; Margaret Wild, CO; William Wilson, KS; Nora Wineland, MO; David Winters, TX; Cindy Wolf, MN.

Committee on Sheep and Goats
Chair: Amy Hendrickson, WY
Vice Chair: Maggie Highland, WA

Scott Bender, AZ; Deborah Brennan, MS; John Clifford, DC; Walter Cook, TX; William Edmiston, TX; Amy Hendrickson, WV; Maggie Highland, WA; Joseph Huff, CO; Paul Jones, AL; Don Knowles, WA; Eileen Kuhlmann, MN; James Leafstedt, SD; Mary Lis, CT; Linda Logan, TX; Jim Logan, WV; David Marshall, NC; Chuck Massengill, MO; Cheryl Miller, IN; Ronald Miller, PA; Jeffrey Nelson, IA; Suelee Robbe-Austerman, IA; Paul Rodgers, WV; Joan Dean Rowe, CA; Mo Salmon, CO; David Scarle, IL; Diane Sutton, MD; Stephen White, WA; Margaret Wild, CO; William Wilson, KS; Nora Wineland, MO; David Winters, TX; Cindy Wolf, MN.

Committee on Program
Chair: Boyd Parr, SC

Gary Anderson, KS; Marianne Ash, IN; Tammy Beckham, KS; Lisa Becton, IA; Tarrie Cnic, KS; Barbara Determan, IA; Dee Ellis, TX; Donna Gatewood, IA; Colin Gillin, OR; Dale Groteueschen, NE; Kristin Haas, VT; Amy Hendrickson, WV; Annette Jones, CA; Donna Kelly, PA; Bruce King, UT; Dale Lauer, MN; Patrick McDonough, NY; Dustin Oedekoven, SD; Boyd Parr, SC; David Schmitt, IA; Andy Schwartz, TX; Heather Simmons, TX; David Smith, NY; Harry Snoddy, NC; Belinda Thompson, NY; Liz Wagstrom, DC; Peregrine Wolff, NV; Marty Zaluski, MT.

Committee on Transmissible Diseases of Poultry and Other Avian Species
Chair: Dale Lauer, MN
Vice Chair: Sarah Mason, NC

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Exhibit Hall Times and Poster Session

Third Floor Hallway

October 15  Saturday  9:00 am–6:00 pm
October 16  Sunday  9:00 am–1:00 pm

Food and beverage in exhibit area
Observe poster sessions throughout exhibit area.

Authors at posters
Saturday, Oct 15 • 3:00-4:00 pm

Booth Company
301 Advanced Technology Corp.  VADDS
205 Anaerobe Systems
314 Biolog, Inc.
312 BioMed Diagnostics, Inc.
200 202 bioMérieux
213 Bioplastics/Cyclertest, Inc
201 Bio-Rad
100 Biovet Inc.
207 Bruker Daltonics
307 Carolina Liquid Chemistries Corp.
109 Centaur, Inc.
204 Computer Aid, Inc.
215 Cosmos iD
102 Eagle Biosciences, Inc.
206 ECL2/Q-Pulse
105 Elsevier
107 GeneReach Biotechnology Corp.
306 308 IDEXX Laboratories
310 Liferiver Bio-Tech(US) Corp
315 Longhorn Vaccines and Diagnostics LLC
203 Macherey-Nagel, Inc.
217 Nat’l Institute for Animal Agriculture
305 PRI Bio (Progressive Recovery, Inc.)
209 211 QIAGEN, Inc.
309 Qualtrax
104 Quantabio
303 Tetracore, Inc.
219 221 223 Thermo Fisher Scientific
311 VacciXcell
210 VMRD, Inc.
208 Zoetis

Sponsor Presentations • Saturday, Oct. 15

Biovet  6:00 pm - 6:30 pm  Imperial F
Biovet innovates again with Multiplex serology, ELISA diagnostic kits and a brand new qPCR product line

Qiagen  6:30 pm - 7:00 pm  Imperial F
Explore new frontiers with Qiagen’s sample to insight solutions for animal health

Thermo Fisher  6:30 pm - 7:00 pm  Imperial B
Meeting today’s diagnostic needs – innovating for tomorrow’s challenges
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San Diego, California
October 12-18, 2017
Town & Country Hotel

Kansas City, Missouri
October 18-24, 2018
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