2019 USAHA Officers

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USAHA Administrative Staff
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   Kelly Janicek

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Meeting Services
   Taylor Made Event Co., Kaylin Taylor
   kaylin@taylormadeeventco.com

ANNUAL MEETING APP
Get schedule information, attendee list, announcements and more through the app, available at the App Store or Google Play. Just search for AAVLD USAHA.
Welcome to
USAHA’s 123rd Annual Meeting
and
AAVLD’s 62nd Annual Conference

ANNOUNCEMENTS

USAHA/AAVLD Headquarters
Rhode Island Convention Center
Providence, Rhode Island

Registration Fees
On-Site Fee Schedule:

Member Registration…………………………………………………………..$395.00
Non-Member Registration……………………………………………………$630.00
Life Member Registration……………………………………………………$165.00
One-Day Registration MEMBER………………………………………………$220.00
One-Day Registration NON-MEMBER………………………………………$250.00
Two-Day Registration MEMBER………………………………………………$280.00
Two-Day Registration NON-MEMBER………………………………………$305.00
Resident or Graduate Student Registration…………………………………..$135.00
Veterinary Student Registration………………………………………………$0.00
Spouse Registration Fee………………………………………………………..$100.00
USAHA 2019 Individual Dues…………………………………………………$175.00
USAHA 2020 Individual Dues…………………………………………………$175.00
AAVLD 2019 Annual Dues……………………………………………………$250.00
AAVLD 2020 Annual Dues……………………………………………………$250.00
AAVLD 2019 Graduate Student or Resident Dues……………………………$35.00
AAVLD 2020 Graduate Student or Resident Dues……………………………$35.00
AAVLD 2019 Associate Dues………………………………………………….$100.00
AAVLD 2020 Associate Dues………………………………………………….$100.00

You must register and have a badge to attend meetings.

Registration Schedule

Wednesday, October 23, 2019...............................3:00 pm-6:00 pm
Pre-registration only
Thursday, October 24, 2019...............................7:00 am-6:00 pm
Friday, October 25, 2019...............................7:00 am-6:00 pm
Saturday, October 26, 2019...............................7:00 am-5:00 pm
Sunday, October 27, 2019...............................7:00 am-5:00 pm
Monday, October 28, 2019...............................7:00 am-5:00 pm
Tuesday, October 29, 2019...............................7:30 am-5:00 pm
Wednesday, October 30, 2019...............................7:30 am-10:00 am
ANNOUNCEMENTS

AAVLD Exhibits/Posters
Exhibits and Posters – Rhode Island Convention Center

**Posters:**
Saturday, October 26: 9:00 am-6:00 pm
Authors present: 3:00-4:00 pm

Sunday, October 27: 9:00 am-1:00 pm
Authors present: 12:00-1:00 pm

**Exhibits:**
Saturday, October 26: 9:00 am-6:00 pm
*(refreshments 9:00-11:00; 11:30-1:00; 2:00-3:00; 5:00-6:00)*

Sunday, October 27: 9:00 am-1:00 pm
*(refreshments 9:00-10:30; 11:30-1:00)*

**Agendas & Announcements**
Agendas and announcements will be located in the registration area. Please check often for last minute changes in the program, times and locations of Committee meetings and other pertinent information. Information and updates can also be viewed in the meeting app.

**USAHA Display Tables**
Rotunda Foyer
Sunday 2:00 pm - Wednesday 12:00 pm

**Work Room**
Rotunda
8:00 am-5:00 pm
Thursday, October 24 through Tuesday, October 29
8:00 am-12:00 pm
Wednesday, October 30

**Press Room and Committee Report Reading Room**
Rotunda
8:00 am-5:00 pm
Thursday, October 24 through Tuesday, October 29
8:00 am-12:00 pm
Wednesday, October 30

**USDA-APHIS-VS Work Room**
Providence Room Level 4
Thursday, October 24 through Wednesday, October 30
POSTER SESSION

Saturday, October 26 – Sunday, October 27

109. Low Level exposure to Hydrogen Sulfide increases the pathogenicity of Influenza A Virus in swine # *
Cristina Marie Santana Maldonado, Phillip Gauger, Drew Magstadt, Amber Vegter, Denusha Shrestha, Chandrashekhar Charavaryamath, Wilson Kiiza Rumbeihia

110. A novel online metagenome-based pathogen detection tool # *
Sai Aravindh Sankara Narayanan, Andres Espindola, Jerry Malayer, Kitty Card well, Akhilesh Ramachandran

111. Identification and genomic analysis of inter-serotype reassortant epizootic hemorrhagic disease viruses in the United States
Leyi Wang, Saraswathi Lanka, Debbie L. Cassout, Nohra Mateus-Pinilla, Ganwu Li, William C. Wilson, Dongwan Yoo, Paul Shelton, Richard Fredrickson

112. Creation and validation of a novel real-time PCR for Cervid Adenovirus
Jennifer McKenna, Myrna M. Miller, Marce Vasquez

113. Virulent Newcastle disease in backyard exhibition chickens in Utah
Jane Kelly, David Frame, Arnaud J. VanWettere, Barry Pittman, Thomas J. Baldwin

114. Evaluation of pre-enrichment and pooling for direct detection of Mycoplasma bovis in milk samples
Gloria Gioia, Laura B. Goodman, Brittany D. Chilson, Renee Anderson, Carlos Santisteban, Paolo Moroni

115. Recurrent gastrointestinal foreign bodies with disseminating gastrointestinal mycetoma in a dog
Shih-Hsuan Hsiao, Natalie M. Kirk

116. Jamestown Canyon virus isolated from horse swabs in South Dakota
Melinda Jenkins-Moore, Katherine Mozingo, Rachel M. Tell, Mary Lea Killian, Leo Koster, Kerrie Franzen, Alicia Janas-Martindale, Todd Tedrow

117. A commercially available competitive ELISA for the detection of EDHV antibodies
Josh Blase, Mickael Roche, Muriel Malzac, Loic Comtet, Philippe Pourquier

118. Molecular mycological detection and phylogenetic analysis of Mycoleptodiscus indicus infection in a cat * † ◊
Grazielli Maboni, Paula Krimer, Rodrigo de Paula Baptista, Ana Lorton, Suan Sanchez

119. Characterization of multidrug resistant Histophilus somni associated with Bovine Respiratory Disease
Caitlyn Deal, John Dustin Loy

120. ONE HEALTH: Veterinary faculty perceptions in international public health
Ronaldo Magtoto

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
121. A universal approach to animal health sample preparation using the MagMAX CORE nucleic acid purification kit for laboratory use including veterinary and environmental uses
Quoc Hoang, Lillian Manley, Ivan Leyva Baca, Richard Conrad

122. Animal poisoning in the Republic of Korea: 45 years of epidemiological data from the Animal and Plant Quarantine Agency
hyunkyoung lee, Soon-Seek Yoon, KyungHyun Lee, Eunjin choi, ByungJae So

123. Histopathological characterization and tissue distribution of pathogen in canine granulocytic anaplasmosis in the Republic of Korea
hyunkyoung lee, Seunghee Lee, Jung-Won Park, Soon-Seek Yoon, Hyun-Ji Seo, Jinho Yeong Noh, Yun Sang Cho, ByungJae So

124. Iba1 Immunohistochemical Evaluation of a Case of Transmissible Venereal Tumor: Further Support Against a Histiocytic Immunophenotype
Caitlyn Callaghan, Kristin Varner, Karla Nova, Kenneth Kim

125. New Real-time PCR Assays for Detection of Equine Herpesvirus 1 and Equine Herpesvirus 4 and Genotyping of Equine Herpesvirus 1
Zhenyu Shen, Michael Zhang, Shuping Zhang

126. Effect of mismatch between extraction kit and viral nucleic acid type on PCR testing
Jin-Ho Kim, Baoqing Guo, Hanjun Kim, Kyoung-Jin Yoon

127. Marked panuveitis in a case of uveal schwannoma of a Blue-eyed dog
Kristin Varner, Caitlyn Callaghan, Megan Climans, Gillian C. Shaw, Kenneth Kim, Marcella Ashton

128. Unique antimicrobial susceptibility patterns in animal-associated Acinetobacter spp. reveal high rate of multidrug resistance
Grazieli Maboni, Mauricio Seguel, Ana Lorton, Suan Sanchez

129. Development of two multiplex Real-Time qPCR (RT-qPCR) assays for detecting main pathogens associated with bovine respiratory disease complex (BRDC)
Christian Savard, Andre Broes

130. Atypical porcine pestivirus (APPV) prevalence in the US swine herds
Yuan Feng, Fangfeng Yuan, Jianfa Bai, Lalitha Peddireddi

131. Pathology of cryptosporidiosis in raccoons (Procyon lotor) # + * †
Viviana Gonzalez-Astudillo, Mauricio A. Navarro-Badilla, Matthew F. Shely, Francisco Uzal

132. Prevalence and genotyping of Bovine viral diarrhea virus in cattle across Wisconsin
Ailam L. Lim, Kate Palmer, Donald C. Sockett

133. Confirmation of Avibacterium Paragallinarum by Next Generation Sequencing
Yi Candy Zhang, Rebecca Mackey, Martha Pulido-Landinez, JayKay Thornton, Lifang Yan

134. Validation of MagMAX CORE nucleic acid purification of Porcine Reproductive and Respiratory Syndrome Virus
Tracy Lene Otterson, Phillip Blomberg, Elisabeth Edgerton, Julie Pilot, Lindsey Raymond, Elizabeth Rogers, Jennifer Voison, Michele Leiferman, Stephanie Rossow, Jerry Torrison
135. Antiviral activity of synthesized IFN-λ3 and PEGylated IFN-λ3 against Bovine viral diarrhea virus in vitro # *
Molly J. Carpenter, John Arguello, Matthew Caldemeyer, Kirsten Reed, John W. Wallen, Christie Mayo

136. Small ruminant necropsy diagnoses in Wisconsin 2009-2018
Lorelei Lynne Clarke, Elizabeth J. Elsmo, Doug Lyman, Kathleen Deering, Jaimie Miller, Phil Bochsler

137. Prevalence of Salmonella serovars in submitted clinical samples of food and companion animals to Texas A&M Veterinary Medical Diagnostic Laboratory(TVMDL): Year 2014 to 2018 ◊
Owais Ahmed Khan, Jessica D. Monday, Russell H. Raleigh, Sonia W. Lingsweiler, Amy K. Swinford

138. Phenotypic characterization, antibiogram and risk factors of Salmonella isolates from Chicken, Stool, Farm and Market’s eggs in Jimma Town, Ethiopia * ◊
Diriba Taddese Legesse

139. Lameness, medication, surgery, and exercise as risk factors for catastrophic musculoskeletal injury in racehorses
Peta Lee Hitchens, Ashley E. Hill, Susan Stover

140. Equine cytokine and chemokine multiplex assays
Cassandra M. Guarino, Alicia Rollins, Heather Freer, Diane Kilts, Bettina Wagner

141. Rapid sequence-based diagnostic characterization of African Swine Fever virus using Oxford Nanopore Minion sequence sensing device along with a companion analysis software tool ◊

142. Fast and convenient nucleic acid extraction method for mastitis diagnostics
Quoc Hoang, Anne Quijada, Emeline Ripoche, Denisse Meza, Robert Sterling Tebbs

143. Mastitis diagnosis utilizing a turnkey solution from Thermo Fisher Scientific’s Animal Health
Quoc Hoang, Robert Sterling Tebbs, Anne Quijada, Emeline Ripoche, Denisse Meza, Richard Conrad

144. Influence of technician on PRRSV OF ELISA test results * †
Alexandra Henao-Diaz, Anne Harrenstein, Ju Ji, Luis Gabriel Gimenez-Lirola, Jeff Zimmerman, Dave Baum

145. Whole-Genome Sequencing for detecting serotypes and virulence genes in Haemophilus parasuis isolates ◊
Nubia Macedo, Rodger Main, Ganwu Li, Orhan Sahin

146. Integrated security program considerations for Animal Laboratories
Ryan N. Burnette, Bersabeh Tigabu

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+   AAVLD/ACVP Pathology Award Applicant
◊   USAHA Paper
*   Graduate Student Poster
†   Graduate Student Oral
147. Genotypic and phenotypic antimicrobial susceptibility assessment of *Campylobacter jejuni* isolates associated with small ruminant abortions
Kris A. Clothier, Heather Fritz

148. Epidemiology and pathological characterization of Infectious Bronchitis Virus infection in California backyard chickens
Omar Antonio Gonzales Viera, Francisco R. Carvallo, Emily R. Blair, Rodrigo Gallardo, Beate Crossley, Asli Mete

149. Implementation of automated procedures for whole genome sequencing
Melanie Prarat, Katherine Shiplett, Yan Zhang

150. Respiratory viruses identified in Western Canadian beef cattle by high throughput sequencing and their association with bovine respiratory disease
Maodong Zhang, Janet E. Hill, Yanyun Huang

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* AAVLD/ACVP Pathology Award Applicant
† Graduate Student Oral Presentation Award Applicant
◊ USAHA Paper

‡ Graduate Student Poster Presentation Award Applicant
THURSDAY, OCTOBER 24, 2019

Registration: 7:00 am-6:00 pm

Daily Events

7:15 am-8:00 am  Accreditation and Quality Assurance Symposium Breakfast
                 Ballroom D

7:30 am-11:30 am Getting Started with NGS (Next Generation Sequencing)
                 – Morning Session  552 (Registration/add’l fee required)

8:00 am-12:00 pm Accreditation and Quality Assurance Symposium
                 Ballroom D (Registration/add’l fee required)

8:00 am-12:00 pm USA LIMS User Group  551 (Registration Required)

12:30 pm-4:30 pm Getting Started with NGS (Next Generation Sequencing)
                 – Afternoon Session  552 (Registration/add’l fee required)

1:00 pm-3:00 pm  Fundamental Requirements for an FDA Regulatory
                 Laboratory Data Packet  550 (Registration Required)

1:00 pm-5:00 pm  AAVLD/NAHLN IT Meeting  Ballroom D

1:00 pm-5:00 pm  AAVLD Accreditation Committee - COMMITTEE ONLY
                 Ballroom E

2:00 pm-4:00 pm  Best Practices for Submitting, Reviewing, and Publishing
                 Manuscripts in JVDI  553 (Registration Required)

4:30 pm-5:00 pm  Open Q&A Session: Ask your Fellow Diagnosticians
                 552 (Registration Required)

4:30 pm-6:00 pm  Q-Pulse User Group (Users Only)  551

5:30 pm-6:00 pm  New Member Orientation  Ballroom C

6:00 pm-7:00 pm  Networking Reception with New Members  Ballroom C
FRIDAY, OCTOBER 25, 2019

Registration: 7:00 am-6:00 pm

Daily Events

7:00 am-8:00 am  AAVLD Financial Advisory Committee  556A
7:30 am-12:30 pm  AAVLD Bacteriology Mini-Symposium: AST – The Devil’s in the Details  Ballroom B (Registration/add’tl fee required)
8:00 am-9:00 am  AAVLD Membership Committee  556A
8:00 am-11:00 am  AAVLD Parasitology Committee  550
8:00 am-12:00 pm  AAVLD Accreditation Committee - COMMITTEE ONLY  554
8:00 am-5:00 pm  AAVLD Informatics Committee  551
8:00 am-5:50 pm  19th CL Davis/SW Thompson Diagnostic Pathology Symposium: Diagnostic Pathology of Lymphoid Organs  557 (Separate Reg. & Add’tl Fee Required)
9:00 am-5:30 pm  Meet and Greet Tabling Session  Rotunda Foyer
9:00 am-10:00 am  AAVLD Publications Committee  556B
9:15 am-12:00 pm  USAHA Executive Committee Lunch  556A
10:00 am-12:00 pm  AAVLD Editorial Board of Journal of Veterinary Diagnostic Investigation (JVDI)  556B
10:00 am-12:00 pm  AAVLD & NAHLN Laboratory Emergency Management Committee  552
10:00 am-12:00 pm  AAVLD Epidemiology Committee  553
10:00 am-5:00 pm  AAVLD Exhibits & Poster Board Set Up Begins  Ballroom A
12:30 pm-1:30 pm  AAVLD Subcommittee on Bacteriology and Mycology  Ballroom B
1:00 pm-2:00 pm  ABVT Annual Meeting  553
1:00 pm-3:00 pm  AAVLD Virology Committee  555
1:00 pm-5:00 pm  AAVLD Executive Board – COMMITTEE ONLY  554
1:00 pm-5:00 pm  AAVLD Quality Assurance Committee  552
1:00 pm-6:00 pm  National Assembly of State Animal Health Officials – Open Meeting  Ballroom D
1:30 pm-2:15 pm  AAVLD Subcommittee on Antimicrobial Susceptibility Testing Business Meeting  Ballroom B
2:00 pm-6:00 pm  AAVLD/AAVCT Business Meeting & Case Presentations  553
2:30 pm-4:30 pm  AAVLD Diagnostic Bacteriology Case Reports  Ballroom B
3:00 pm-5:00 pm  AAVLD Laboratory Technology Committee  555
5:00 pm-6:00 pm  Vet-LIRN Meeting  Ballroom B
5:00 pm-6:00 pm  AAVLD Constitution, Bylaws and Resolutions Committee  556A
6:00 pm-9:00 pm  AAVLD Reception and Foundation Auction  Exhibit Hall A
**SATURDAY, OCTOBER 26, 2019**

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

**Daily Events**

7:00 am-8:00 am  AAVLD Foundation Committee  558
8:00 am-11:30 am  AAVLD Plenary Session – Advances in Diagnostics and Impact on One Health Exhibit Hall A
8:00 am-12:00 pm  National Assembly of State Animal Health Officials Meeting – Closed Meeting  Narragansett A&B - OMNI
9:00 am-6:00 pm  AAVLD Exhibits  Ballroom A  
Beverages 11:30 am-1:00 pm; Food and Bev. 9:00 am & 2:00 pm; Wine/Cheese 5:00 pm
9:00 am-6:00 pm  AAVLD Poster Session  Ballroom A  
Presenters 3:00 pm-4:00 pm
9:30 am-11:30 am  Spouses Brunch  550
11:30 am-12:15 pm  AAVLD House of Delegates and General Membership  Exhibit Hall A
12:00 pm-1:30 pm  Veterinary Student Luncheon  550
1:00 pm-3:00 pm  AAVLD Scientific Session Pathology I  557  
Moderators: Grant N. Burcham and Maria Spinato

1:00 pm  Cytologic morphology of subcutaneous Mycoleptodiscus indicus infection in an immunocompetent cat + Paula M. Krim, Grazieli Maboni, Rodrigo de Paula Baptista, Ana Lorton, Christina Anderson, Suan Sanchez
1:15 pm  Chronic wasting disease in Mississippi white-tailed deer Heidi Huffman Rose, Brittany S. Baughman, Alejandro Banda, William T. McKinley, Tina Hay Eichelberger, Rebecca Mackey
1:30 pm  Histopathological diagnosis of selected Equine and Canine viral diseases by in situ hybridization of Formalin-fixed paraffin-embedded tissues Gerald E. Duhamel, Andrew D. Miller, Randall Renshaw, Edward J. Dubovi
1:45 pm  Cervical pole necrosis of the equine allantochorion Alan T. Loynachan
2:00 pm  Multiple cases of chondro dysplasia in beef calves in Iowa Drew Magstadt, Scott Louis Radke, Vickie Cooper, Kent J. Schwartz
2:15 pm  Comparison of urine cytokines from Dogs with urinary carcinoma and UTI Stephen Cole
2:30 pm  Characterization of an RNA ISH probe for the diagnosis of feline infectious peritonitis virus and comparison with the current gold standard § Nicole M. Andre, Arjun Sweet, Gary R. Whittaker, Andrew D. Miller
2:45 pm  Pathological findings associated with Eastern equine encephalitis virus and West Nile virus infections in wild ruffed grouse (Bonasa umbellus) from Wisconsin in 2018-2019 Elizabeth J. Elsmo, Phil Bochsler, Lorelei Lynne Clarke, Kathleen Deering, Ailam L. Lim, Jaimie Miller, Nancy Businga, Lindsey Long

1:00 pm-3:00 pm  AAVLD Scientific Session Bacteriology I  554  
Moderators: Durda Slavic and John D. Loy

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◊  USAHA Paper  
*  Graduate Student Poster  
‡  Graduate Student Oral  
†  Presentation Award Applicant  
Presentation Award Applicant
1:00 pm Utility of different semisolid media for isolation of Mycoplasma spp. from canine lower respiratory specimens
Joshua B. Daniels, Thomas Peppard

1:15 pm Whole Genome Sequencing investigation of a Carbapenem-Resistant E. coli isolate from a Dog
Stephen Cole, Shelley C. Rankin

1:30 pm Evidence for increasing and widespread antimicrobial resistance in Salmonella Dublin isolates associated with disease in cattle in California over the study period 1991-2018
Heather Fritz, Richard Pereira, Kathy Tooyee-Kurth, Kris A. Clothier

1:45 pm Joint FDA and USDA report on antimicrobial resistance pilot projects for 2018
Beth Harris, Jennifer Rodriguez, Olgica Ceric, Greg Tyson, Renate Reimschuessel

2:00 pm Genomic analysis and virulent factors of Klebsiella pneumoniae isolated from mastitis cows in the United States *
Zhiyi Zheng, Nicholas John Backes, Phillips Gregory, Gorden Patrick, Xiaoqin Xia, Ying Zheng, Ganwu Li

2:15 pm An outbreak of Mycoplasma bovis in free-ranging Wyoming pronghorn (Antilocapra americana)
Jennifer Malmberg, Terry Creekmore, Erika Peckham, Marguerite Johnson, Halcyon Killion, Madison Vance, Daniel Bradway, Noah C. Hull, Donal O’Toole, Kerry Sondgeroth

2:30 pm Isolation and characterization of invasive Streptococcus pneumoniae from an infant rhesus monkey (Macaca mulatta) died of fulminant meningitis
Sung Guk Kim, Christine Summage-West, Lillie Sims, Leah Rowe, Kelly Davis

2:45 pm Whole-Genome Sequencing for predicting toxinotypes and antimicrobial resistance in Clostridium perfringens
Orhan Sahin, Lei Dai, Curt Thompson, Zuowei Wu, Nubia Macedo, Ganwu Li, Rodger Main

1:00 pm-3:00 pm AAVLD Scientific Session Epidemiology I 555
Moderators: Orhan Sahin and Ashley E. Hill

1:00 pm Congenital abnormalities in neonatal or near-term aborted bovine and ovine clones
David J. Wilson, Thomas J. Baldwin, Chelsea W. Barker

1:15 pm Which route of exposure is best for Mycoplasma hyopneumoniae gilt acclimation? *
Ana Paula Poeta Silva, Aric McDaniel, Bailey Lauren Arruda, Daniel C. L. Linhares, Luis Gabriel Gimenez-Lirola, Carmen Alonso, Rachel Derscheid, Locke Karricker, Paul Yeske, Jeff Zimmerman, Maria Clavijo

1:30 pm Comparative genomics identifies methicillin-resistant Staphylococcus pseudintermedius ST71 as highly clonal across different geographical locations, irrespective of isolation sources

1:45 pm Retrospective survey of parasites identified in feces of 7,408 client-owned dogs at Oklahoma State University from 2007 through 2018
Yoko Nagamori, Mark Payton, Emily Looper, Hadley Apple, Katherine Herrick, Eileen Johnson

2:00 pm Retrospective survey of parasites identified in feces of 2,586 client-owned cats at Oklahoma State University from 2007 through 2018
Yoko Nagamori, Mark Payton, Emily Looper, Hadley Apple, Katherine Herrick, Eileen Johnson
Daily Events Continued

2:15 pm An epizootic of Canine Distemper in Michigan wild carnivores: 2014-2018
Scott D. Fitzgerald, Amber R. Olson, Julie R. Melotti, Thomas M. Cooley, Daniel J. O’Brien, Roger K. Maes

2:30 pm Catastrophic tibial fractures in racehorses # †
Monika Aleksandra Samol, Susan Stover, Francisco Uzal, Rick Arthur

2:45 pm PRRSV-specific antibody detection in fecal samples - a pilot study * †
Alexandra Henao-Diaz, Gang Wang, Ju Ji, Luis Gabriel Gimenez-Lirola, Jeff Zimmerman

1:00 pm-3:00 pm AAVLD Scientific Session Virology 556
Moderators: Suresh V. Kuchipudi and Ailam L. Lim

1:00 pm Detection of Deer atadenovirus A in vaginal samples from mule deer (Odocoileus hemionus) and Rocky Mountain elk (Cervus elaphus nelsoni) and potential transmission to offspring
Kayla Kauffman, Todd Cornish, Brant Andrew Schumaker, Kevin Monteith, Mathew Hayes, Tayler Laysharr, Katey Huggler, Myrna M. Miller

1:15 pm Generation and characterization of heterohybridoma clones stably producing porcine immunoglobulin monoclonal antibodies to Foot-and-Mouth Disease Virus Serotype O1 Manisa
Chungwon Joseph Chung, Erica Martel, Jacob Rutherford, Jose Barrera, Michael Puckette, William Hurtle, John Neilan

1:30 pm First isolation and in vivo characterization of porcine circovirus 3 # †
Juan Carlos Mora-Diaz, Pablo E. Pinyero, Huigang Shen, Ganwu Li, Kent J. Schwartz, Bailey Lauren Arruda, Luis Gabriel Gimenez-Lirola

1:45 pm A novel astrovirus from a pig with non-suppurative polioencephalitis, Australia
Mark Hawes, Honglei Chen, Som Walker, Gemma Harvey, Brenda Van der Heide, David T. Williams, Debbie Eagles, Jianning Wang

2:00 pm What was old is new again: viral culture and nanopore sequencing for identification and characterization of novel viral pathogens
Kevin Lahmers, James Evermann, James B. Stanton, S Michelle Todd, Alexander Bradshaw, Caitlin Mason, Tanya LeRoith, Jessica Shifflet, Lorraine Tanaka

2:15 pm Application and comparison of iSeq100 and MinION sequencing in identifying Avian Infectious Bronchitis Virus Lifang Yan, Rebecca Mackey, Yi Candy Zhang, Alejandro Banda, Scott Baughman, Lanny Pace

2:30 pm Development and validation of a new real-time PCR for African Swine Fever Elodie Pautet, Sandrine Moine, Richard Conrad

2:45 pm Detection and genetic characterization of porcine sapovirus from pigs with diarrhea in the U.S.
Huigang Shen, Leyi Wang, Ying Zheng, Anping Wang, Phillip Gauger, Jianqiang Zhang, Eric Burrough, Thomas Petznick, Ganwu Li

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† Graduate Student Oral
Presentation Award Applicant
1:00 pm-3:00 pm  **AAVLD Scientific Session Serology**  Ballroom C  Moderators: Pamela J. Ferro and Devi P. Patnayak

1:00 pm  A new indirect ELISA to improve accuracy and consistency of Mycoplasma bovis diagnostics  
Josh Blase, Alix Carpentier, Kevin Martin, Loic Comtet, Philippe Pourquier

1:15 pm  Trouble-shooting and improving assay performance at the benchtop level  
Jamica Fonseca, Suzy Block, Sheila Heinen, Jeff Zimmerman, Luis Gabriel Gimenez-Liroli, Dave Baum

1:30 pm  Performant competitive and indirect ELISAs for the diagnosis of African Swine Fever on domestic swine and wild boar  
Josh Blase, Loic Comtet, Mickael Roche, Fabien Donnet, Philippe Pourquier

1:45 pm  Heat-inactivation of cell culture fetal bovine serum and diagnostic test serum samples – is it necessary?  
Jillian Fishburn, Jeremiah T. Salki

2:00 pm  A bead-based assay for the detection of risk of infection and protective immunity against EHV-1 infection in horses and other equids  
Cassandra M. Guarino, Alicia Rollins, Bettina Wagner

2:15 pm  Applying the Deming Plan-Do-Study-Act (P-D-S-A) cycle of continuous improvement to reduce variation in the IDEXX Mycoplasma hypopneumoniae ELISA  
Qiaoling Gong, Mingxi Guo, Sheila Norris, Suzy Block, Jeff Zimmerman, Luis Gabriel Gimenez-Liroli, Dave Baum

2:30 pm  Development of an Bartonella henselae specific ELISA  
Andreas Latz, Markus Jost, Volkhard Kempf

1:00 pm-3:00 pm  **AAVLD Scientific Session Molecular Diagnostics and Bioinformatics 1**  Ballroom E  Moderators: Rebecca P. Wilkes and Yan Zhang

1:00 pm  High-Throughput tick specimen processing for nucleic acid extraction §  
Zachary C. Forbes, Renee Anderson, John S. Beeby, Amy Glaser, Laura B. Goodman

1:15 pm  Senecavirus A detection from piglets using processing fluid samples  
Tracy Lene Otterson, Phillip Blomberg, Albert Rovira

1:30 pm  Sequencing of pilin locus in Moraxella bovis reveals deletions and truncated proteins  
Joshua Elston, Jessica Peterson

1:45 pm  Repeatability of open reading frame 5 sequencing for Porcine Reproductive and Respiratory Syndrome Virus at different concentrations * †  
Nicholas Streauslin, Karen Harmon, Phillip Gauger

2:00 pm  Escherichia coli virulence screening for veterinary diagnostics using whole genome sequencing data §  

2:15 pm  Evaluation of targeted Next Generation Sequencing for...
### Daily Events Continued

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:00 am</td>
<td>Detection of equine pathogens in clinical samples</td>
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<tr>
<td>10:30 am</td>
<td>Characterization of a novel human seasonal H3 influenza A virus spillover that is now endemic in US swine</td>
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<tr>
<td>10:45 am</td>
<td>Next Generation Sequencing (NGS)-Based Metagenomic Analysis: A promising diagnostic tool to identify pathogens in the blood of horses with febrile illness</td>
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</tr>
<tr>
<td>11:00 am</td>
<td>Murugan Subbiah, Nagaraja Thirumalapura, Julia Livengood, Derek Veith, David Thompson, Suresh Varma</td>
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<tr>
<td>11:30 am</td>
<td>Kuchipudi, Bhushan Jayarao, Deepanker Tewari</td>
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<tr>
<td>12:00 pm</td>
<td>Identification of Truly Negative Animals to M. bovis presented by Dr. Rafael Paiva - Presented by IDEXX</td>
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<tr>
<td>1:00 pm</td>
<td>USDA APHIS VS Open Forum</td>
<td>Ballroom A</td>
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<tr>
<td>1:30 pm</td>
<td>Extension Veterinarians Business Meeting</td>
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<tr>
<td>2:00 pm</td>
<td>AAVLD Poster Session – Authors present</td>
<td>Ballroom A</td>
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<tr>
<td>2:30 pm</td>
<td>AAVLD Laboratory Safety Committee</td>
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<tr>
<td>3:00 pm</td>
<td>Applied Animal Health, Public Health Research and Extension Veterinarians Symposium</td>
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<td>3:30 pm</td>
<td>Veterinary Diagnostic and Animal Facility Construction</td>
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<tr>
<td>4:00 pm</td>
<td>African Swine Fever: Disease, Diagnostics and the Global Scene</td>
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<td>4:30 pm</td>
<td>AAVLD Bacteriology Steering Committee</td>
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<tr>
<td>5:00 pm</td>
<td>AAVLD Government Relations Committee</td>
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<tr>
<td>5:30 pm</td>
<td>AAVLD Diagnostic Pathology Slide Seminar</td>
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<tr>
<td>6:00 pm</td>
<td>AAVLD Committee on Environment and Toxicology</td>
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<tr>
<td>6:30 pm</td>
<td>African Swine Fever, the virus that loves to travel internationally</td>
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<tr>
<td>7:00 pm</td>
<td>Outbreak readiness - Presented by Thermo Fisher</td>
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<tr>
<td>8:00 pm</td>
<td>AAVLD Gross Pathology Mock Examination</td>
<td></td>
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<tr>
<td>9:00 pm</td>
<td>USAHA Committee on Program</td>
<td></td>
</tr>
<tr>
<td>10:00 pm</td>
<td>From established sample and assay technologies to novel point-of-need applications, discover how INDICAL's solutions help to improve veterinary testing - Presented by INDICAL Inc.</td>
<td></td>
</tr>
<tr>
<td>11:00 pm</td>
<td>Next Generation Sequencing &amp; Microarray Advances in Veterinary Diagnostics and Breeding Presenter: Kahil Lawless, Ph.D. - Presented by – Illumina</td>
<td></td>
</tr>
<tr>
<td>12:00 am</td>
<td>Saturday Night Reception – Hosted by IDEXX</td>
<td>Narragansett A&amp;B - OMNI</td>
</tr>
</tbody>
</table>
6:30 am-8:00 am  CVM Fellowship Breakfast  550A
7:30 am-9:00 am  USAHA District Breakfast (NE, S, W, NC, Allied)  Ballroom B

8:00 am-12:00 pm  AAVLD Scientific Session Bacteriology 2
Break 9:15-10:15  Ballroom E

8:00 am  Whole-Genome Sequencing to predict genotype and antimicrobial resistance in Escherichia coli isolated from pigs  Nubia Macedo, Rodger Main, Ganwu Li, Orhan Sahin

8:15 am  Detection of bovine respiratory bacterial pathogens and determination of associated antimicrobial susceptibility profiles using clinical nanopore metagenomics  Anatoliy Trokhymchuk, Musangu Ngeleka, Kazal Ghosh

8:30 am  Tularemia (Francisella tularensis) recognition in cats - A public health message for veterinary clinicians and diagnosticians  Marc D. Schwabenbender, Tory Whitten, Erik J. Olson

8:45 am  Comparison of nested and quantitative PCR assays for detection of Streptococcus equi subspecies equi in clinical equine specimens  Lance Wade Noll, Colin P. A. Stoy, Yin Wang, Elizabeth G. Porter, Xuming Liu, Jianfa Bai

9:00 am  Evaluation of a high throughput nucleic acid extraction method for PCR-based detection of Mycobacterium avium ssp. paratuberculosis in bovine fecal samples  Nagaraja Thirumalapura, Willard Feria, Eric Hue, Corey Zellers, Deepanker Tewari

9:15 am  Break

10:15 am  Theileria orientalis Ikeda genotype is identified in cattle in Southwestern Virginia  Vanessa J. Oakes, Michael J. Yabsley, Diana Schwartz, Tanya LeRoith, Carolynn Bissett, Charles Broadus, Jack L. Schlater, S Michelle Todd, Katie Boes, Meghan Brookhart, Kevin Lahmers

10:30 am  Listerial meningocencephalitis and choroid plexitis in a saki monkey (Simia pilethecia)  Abigail Finley, Alexandra Goe, Kristen Phair, Jason Struthers

10:45 am  Increased pathogen diversity in the skin microbiome of bats affected by white nose syndrome  Ava R. Jarvis, Renee Anderson, Derek Rothenheber, Ben Golas, Amy Glaser, Laura B. Goodman, Elizabeth Buckles

11:00 am  Streptococcus pneumoniae-associated septicemia in two cats  Heidi Huffman Rose, Lifang Yan, JayKay Thornton

8:00 am-12:00 pm  AAVLD Scientific Session Epidemiology 2
Break 9:00-10:00 am  Ballroom C

8:00 am  Diagnostic performance comparison of two PRRSV oral fluid antibody ELISAs  Alexandra Henao-Diaz, Anne Harrenstein, Ju Ji, Luis Gabriel Gimenez-Lirola, Jeff Zimmerman, Dave Baum

8:15 am  Antibody response of different U.S. PEDV strains in pigs of different ages  Loni L. Schumacher, Ashley Buerkley, Qi Chen, Hai Thanh Hoang, Maria Merodio, Phillip Gauger, Drew Magstadt, Ronaldo Magtoto, Luis Gabriel Gimenez-Lirola, Jianqiang Zhang

8:30 am  Diagnostic performance of the POCKITTM for detection of African Swine Fever and Foot and Mouth Disease viruses using insulated isothermal PCR  

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## Daily Events Continued

8:45 am  Development and validation of an indirect ELISA for the serological diagnosis of African Swine Fever  
Shawn Babiuk, Kaye Quizon, Joseph Wang, Dmytro Zhmendak, Alfonso Clavijo, Aruna Ambagala

9:00 am  Break

9:15 am  Evaluation the Impact of Climate on Avian Influenza Seasonality and Disease Outbreak in Poultry Farms in Egypt †  
Asmaa Nady Mohamed

9:30 am  Break

10:00 am  Genotyping and Prevalence of Porcine Circovirus Type 3 (PCV3) and Type 2 (PCV2) in the Midwest of the USA during 2016-2018 # †  

10:15 am  Whole Genome Sequencing of IAVs from Ohio pig farms  
Melanie Prarat, Katherine Shiplett, Yan Zhangey

10:30 am  Optimization of the sensitivity and specificity of the oral fluids PRRSV ELISA by modifying the cut-off s/p value  
Albert Rovira, Devi P. Patnayak

10:45 am  Genetic diversity of type 1 porcine reproductive and respiratory syndrome virus in the United States from 2010 to 2018  
Anping Wang, Huigang Shen, Ying Zheng, Qi Feng, Wannarat Yim-im, Jianqiang Zhang, Philip Gauger, Ganwu Li

11:00 am  Prevalence of anti-PCV3 antibodies in swine diagnostic samples by a peptide-based ELISA assay †  
Yin Wang, Wanglong Zheng, Xue Leng, Elizabeth G. Porter, Colin P. A. Stoy, Lance Wade Noll, Xuming Liu, Jianfa Bai

11:15 am  Evaluation of Betacoronavirus fecal shedding among apparently healthy exhibition and racehorses  
Hayley G. Hofmar-Glennon, Nicole M. Andre, Alison Stout, Gary Whittaker, Laura B. Goodman, Belinda S. Thompson, Marigandam Lejeune, Wendy Hartman, Erin L. Goodrich

8:00 am-12:00 pm  AAVLD Scientific Session Molecular Diagnostics and Bioinformatics 2  
Break 9:30-10:15 am 555  
**Moderators:** Hemant K. Naikare and Donna M. Mulrooney

8:00 am  Evaluation of an easy and rapid Detection of Avian Leukosis Virus Subgroup J (ALV-J) by fully automated POCKIT™ Central PCR System  
Simon Chung, Choong Keat Fu, Wei-Fen Tsai, PingHan Chung, Chia-Chi Chang, Yu-Chun Lin, Pin CHOU, Thomas Wang

8:15 am  Whole Genomic Sequencing of BVDV-2 isolates using Illumina iSeq 100 and MinION technologies  
Rebecca Mackey, Yi Candy Zhang, Michael Zhang, Lanny Pace, Lifang Yan

8:30 am  Development of process controls for bacterial Whole Genome Sequencing §  
Renee Anderson, Patrick Mitchell, Denise L. Archer, Rebecca L. Tallmadge, Brittany D. Chilson, Derek Rothenheber, Laura B. Goodman

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**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  
†   Graduate Student Oral  
 Presentation Award Applicant  
 Presentation Award Applicant
8:45 am  Phylogenetic analysis of type 1 porcine reproductive and respiratory syndrome virus ORF5 sequences in the United States from 2003 to 2018  †
Wannarat Yim-im, Tavis Anderson, Phillip Gauger, Karen Harmon, Jianqiang Zhang

9:00 am  Application of a Nanopore MinION sequencing workflow in pathogen identification and detection of antimicrobial resistance gene analysis in a veterinary diagnostic setting # †
Grazielli Maboni, Rodrigo de Paula Baptista, Joy Wireman, Anne Summers, Suan Sanchez

9:15 am  Diagnosis of Bovine Tuberculosis using a defined skin test in Buffaloes in India #  †
Sreenidhi Srinivasan, Maroudam Veerasami, Douwe Bakker, Martin Vordermeier, Vivek Kapur

9:30 am  Break

10:15 am  Genetic characterization of Erysipelothrix rhusiopathiae using Whole Genome Sequencing
Jing Cui, Melanie Prarat, Katherine Shiplett, Dominika Jurkovic, Yan Zhang

10:30 am  Quantitative real-time PCR detection of African Swine Fever virus on a field-based PCR platform, the Biomeone Franklin hand-held thermocycler ◊
Jessie D. Trujillo, Russell Ransburgh, Anthony Craig, Livio Heath, Juergen Richt

10:45 am  Development of a probe based real-time PCR for the accurate diagnosis of Avibacterium paragallinaum §
Rhiannon Barry, Ruth Nissly, Jen Williams, Maurice Byukusenge, Traci Pierre, Tammy Matthews, Eva Wallner-Pendleton, Patricia Dunn, Barnhart Denise, Sean Loughrey, Sherrill Davison Yeakel, Donna Kelly, Deepanker Tewari, Bhushan Jayaraoo, Suresh V. Kuchipudi

11:00 am  AgroDiag PorCoV : a multiplex immunoassay for the differential diagnosis of swine enteric coronaviruses
Rémi Malbec, Kay Kimpson-Burkgren, Elisa Vandenkoornhuyse, Jose Carrillo-Ávila, Christophe Audebert, Dave Baum, Luis Gabriel Gimenez-Lirola

11:15 am  Molecular and ELISA assessment of risk of cyanoanxin poisoning by water supplies to swine facilities #
Jian Yuan, Hyun-Joong Kim, Steve Ensley, Kyoung Jin Yoon

11:30 am  Development of a novel multiplex real-time PCR for the detection and differentiation of SADS-CoV, an emerging swine coronavirus
Rolf Rauh, Travis Clement, Jane Christopher-Hennings, Johnny Callahan, Shao-Lun Zhai, Diego G. Diel

11:45 am  Aggregating results and summarizing findings from multiple veterinary diagnostic laboratories in the US on a near real-time basis #  †
Giovanni Trevisan, Leticia Linhares, Bret Crim, Poonam Dubey, Kent J. Schwartz, Eric Burrough, Rodger Main, Paul Sundberg, Mary Thurn, Paulo T. F. Lages, Cesar A. Corzo, Jerry Torrison, Rob McGaughey, Jamie Henningson, Eric Herrman, Gregg Hanzlicek, Ram Raghavan, Douglas Marthaler, Shivali Gupta, Jon Greseth, Travis Clement, Jane Christopher-Hennings, Daniel C. L. Linhares

8:00 am-12:00 pm  AAVLD Scientific Session Toxicology
Break 9:30-10:30 am  557
Moderators: Catherine Barr and Karyn Bischoff

8:00 am  Quantification of ionophores in animal feed samples
Gwendolyne Alarcio, Elizabeth R. Tor, Linda S. Aston, Robert H. Poppenga
Daily Events

8:15 am  GC/MS confirmation of Atrazine exposure in a cow
          Abigail Props, Hilary Richards, Stephen B. Hooser, Christina
          Wilson, Grant N. Burcham

8:30 am  Determining approximate minimum toxic dose of
          diphacinone in horses, and corresponding serum, blood, and
          liver diphacinone concentrations †
          Megan C. Romano, Kyle A. Francis, Jennifer G. Janes,
          Amanda A. Adams, Robert H. Poppenga, Michael Filigenzi,
          Cynthia Gaskill

8:45 am  Inter-laboratory evaluation of a high performance liquid
          chromatography-fluorescence method for the quantitative
          measurement of aflatoxins B1 and M1 in animal urine
          Xiangwei Du, Dwayne Edward Schrunk, Paula Martin
          Imerman, John Tahara, Andriy Tkachenko, Jake Guag, Renate
          Reimschuessel, Wilson Kiiza Rumbeiha

9:00 am  Biphaseal extractive pentafluorobenzylolation of
          monofluoracetate
          John Philip Buchweitz, Andreas F. Lehner

9:15 am  Residual analysis of ivermectin in White-tail deer in Texas for
          safe human consumption
          Juan Carlos Castro

9:30 am  Break

10:30 am Liver and muscle tissue Pentobarbital concentrations
          following euthanasia
          Robert H. Poppenga, Michael Filigenzi, Robyn Noonan

10:45 am Detection of Black Walnut wood in equine bedding by PCR
          Stephen B. Hooser, Keith Woeste, Rebecca P. Wilkes, Hilary
          Richards, Angela Chan, Christina Wilson

11:00 am Illicit drugs of abuse screen in biological samples by LCMS
          Gwendolyne Alarcio, Elizabeth R. Tor, Linda S. Aston, Robert
          H. Poppenga

11:15 am Congenital skeletal abnormalities in a Michigan dairy herd
          associated with manganese deficiency and comparison to
          classical cases of rickets
          Dodd Sledge, Gordon Ehrensing, John Philip Buchweitz, Matti
          Kiupel

11:30 am Determination factors associated with the mercury-selenium
          ratio in cat food and tuna * † ○
          Qin Yuan, Lakshman Balaji, Matthew Freer, Jennifer Moiseff,
          Karyn Havas, Karyn Bischoff

11:45 am Development and validation of a method for quantification of
          Vitamin D in pet food
          Vamsi Thiriveedhi, Michael Filigenzi, Robert H. Poppenga

8:00 am-12:00 pm  AAVLD Scientific Session Pathology 2

                         Break 9:45-10:45 am  556

8:00 am  Canid predators kill bites and the injuries to their animal
          victims
          Nanny Wenzlow

8:15 am  Virulent Newcastle disease in Southern California, 2018-
          2019
          Francisco A. Uzal, Francisco R. Carvallo, Janet Moore, Akinyi
          Nyaoke, Beate Crossley

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#  AAVLD Trainee Travel Awardee  Presentation Award Applicant
+  AAVLD/ACVP Pathology Award Applicant  †  Graduate Student Oral
◊  USAHA Paper  Presentation Award Applicant

SUNDAY, OCTOBER 27, 2019

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Daily Events Continued

9:00 am-1:00 pm  AAVLD Exhibits & Poster Session – Ballroom A  
Food & beverages 9:00-10:30 am & 11:30 am-1:00 pm  
Poster Presentations 12:00 pm-1:00 pm

10:00 am-12:00 pm  USAHA Tuberculosis Scientific Advisory Subcommittee 552

11:00 am-12:00 pm  USAHA District at-Large Meeting (Allied Industry, and Regional Delegates) 550A

12:00 pm-1:00 pm  AAVLD Poster Session – Authors present  
Ballroom A

12:00 pm-1:00 pm  USAHA Committee on Audit  Stateside Suite - OMNI

12:30 pm-2:00 pm  AAVLD Pathology Committee 556

12:00 pm-3:00 pm  JOINT Committee on NAHLN (National Animal Health Laboratory Network) 551

12:30 pm-5:30 pm  USDA Research Reviews 557

12:30 pm  USDA-NIFA Updates - NIFA national program leaders

12:45 pm  USDA-ARS Updates - ARS national program leaders

1:00 pm  State of the art and future perspectives on the serological and molecular methods for the diagnosis of bovine babesiosis - Carlos E. Suarez, Animal Disease Research Unit. USDA-ARS, Pullman, WA

1:30 pm  Transcriptome analysis of Babesia bovis blood and tick stages reveals potential vaccine targets - Massaro Ueti, Animal Disease Research Unit. USDA-ARS, Pullman, WA

2:00 pm  Quantitative analysis of Anaplasma marginale acquisition and transmission by in vitro fed Dermacentor andersoni - Massaro Ueti, Animal Disease Research Unit. USDA-ARS, Pullman, WA

2:30 pm  Break

3:00 pm  Identification of Anaplasma marginale adhesins for use as vaccine candidates - Susan Noh, Animal Diseases Research Unit, USDA-ARS, Pullman, WA

3:30 pm  Heart water: Risk of introduction and tools for intervention - Susan Noh, Animal Diseases Research Unit, USDA-ARS, Pullman, WA

4:00 pm  Potential involvement of salivary cholinesterase activity in arthropod vector-borne disease transmission - Kevin Temeyer, Livestock Arthropod Pests Research Unit, Kerrville, TX

12:30 pm-5:00 pm  JOINT Committee on Aquaculture  Ballroom C

1:00 pm-5:00 pm  USAHA Subcommittee on Tuberculosis  Ballroom D

1:00 pm-5:00 pm  USAHA Committee on Animal Emergency Management  Ballroom B

1:00 pm-5:00 pm  JOINT Committee on Food and Feed Safety 555

2:00 pm-5:00 pm  Avian Pathology Symposium  Ballroom E  
(Registration/addtl fee required)

2:00 pm-6:00 pm  USAHA Display Tables  Rotunda Foyer

3:00 pm-5:00 pm  AAVLD-NSVL Proficiency Testing Committee 551

3:00 pm-6:00 pm  AAVLD – Strategic Planning Committee 550B

3:00 pm-6:00 pm  JOINT Committee on Animal Health Surveillance and Information Systems 556

5:00 pm-6:00 pm  USAHA New Member Orientation 552

5:30 pm-6:30 pm  Presidents’ Reception  Exhibit Hall A

6:30 pm-9:00 pm  USAHA/AAVLD Presidents’ Dinner  Exhibit Hall A

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+  AAVLD/ACVP Pathology Award Applicant  
◊  USAHA Paper  
  Graduate Student Poster  
#  Presentation Award Applicant  
†  Graduate Student Oral  
  Presentation Award Applicant
MONDAY, OCTOBER 28, 2019

Registration: 7:00 am-5:00 pm

Daily Events

7:00 am-8:00 am  AAVLD Past Presidents’ Breakfast - CLOSED  558
8:00 am-10:00 am  Networking Breakfast  Exhibit Hall A Foyer
8:00 am-5:00 pm  USAHA Display Tables  Rotunda Foyer
10:00 am-11:30 am  USAHA/AAVLD Keynote Session: Overcoming Challenges for the Control of African Swine Fever - A Global Threat in Your Backyard - Dr. Juan Lubroth, UN-FAO  Exhibit Hall A
12:00 pm-12:30 pm  USAHA Membership Luncheon & Meeting  Exhibit Hall A
12:00 pm-12:45 pm  USAHA House of Delegates  557
1:00 pm-3:00 pm  USAHA Subcommittee on Trichomoniasis  556
1:00 pm-5:00 pm  USAHA Subcommittee on Salmonella  Ballroom C
1:00 pm-5:00 pm  USAHA Subcommittee on Brucellosis  Ballroom E
1:00 pm-6:00 pm  USAHA Committee on Equine  557

Time Specific Paper
Committee on Equine
Monday, October 28 • 2:00-2:30 pm
Managing the risk of EHV-1 infection - a new tool and strategy to prevent EHV-1 disease outbreaks in the U.S.
Dr. Bettina Wagner

Time Specific Paper
Committee on Equine
Monday, October 28 • 3:15-3:45 pm
Equine Influenza: A Resurgent Threat to Global Equid Populations in 2018 / 2019
Dr. Peter Timoney

1:00 pm-6:00 pm  USAHA Committee on Foreign and Emerging Diseases  Ballroom D
1:00 pm-8:00 pm  Directors of State Meat Inspection  555
1:30 pm-3:30 pm  AAVLD Committee Chairs and Program Committee  550
2:30 pm-3:30 pm  Break  Rotunda Foyer
3:00 pm-6:00 pm  USAHA Subcommittee on BVDV  553
3:30 pm-5:00 pm  USAHA and AAVLD Executive Committees  550
5:30 pm-8:00 pm  National Association of Federal Veterinarians  552
6:00 pm-7:00 pm  USAHA Board of Directors Meeting  Ballroom A
7:00 pm-9:00 pm  Global Vet Link Reception  Narragansett A&B - OMNI
TUESDAY, OCTOBER 29, 2019

Registration: 7:30 am-5:00 pm

Daily Events

7:00 am-8:00 am  Morning Coffee, by Boehringer Ingelheim  Rotunda Foyer
7:30 am-9:30 am  USAHA Past Presidents' Breakfast - CLOSED  550A
8:00 am-9:00 am  National Scrapie Oversight Board  553
8:00 am-12:00 pm USAHA Committee on Diseases of Farmed Cervidae  554
8:00 am-12:00 pm USAHA Committee on Global Animal Health and Trade  557
8:00 am-12:00 pm USAHA Subcommittee on Rabies  552
8:00 am-12:00 pm USAHA Committee on Biologics and Biotechnology  551
8:00 am-12:00 pm USAHA Subcommittee on Cattle Identification  Ballroom B
8:00 am-12:00 pm USAHA Display Tables  Rotunda Foyer
8:00 am-12:00 pm USAHA Committee on Diseases of Poultry and Other Avian Species  Ballroom D
8:00 am-5:00 pm USAHA Committee on Diseases of Poultry and Other Avian Species  Ballroom D
8:00 am-5:30 pm Directors of State Meat Inspection  555
9:00 am-12:00 pm USAHA Committee on Scrapie and Identification  553
9:30 am-10:30 am Break  Rotunda Foyer
1:00 pm-5:00 pm USAHA Committee on Swine  551
1:00 pm-5:00 pm USAHA Committee on Wildlife  552
1:00 pm-5:00 pm USAHA Committee on Sheep, Goats and Camelids  553

Time Specific Paper
Committee on Sheep, Goats and Camelids  Tuesday, October 29  •  1:50 pm
Parasite Resistance in Small Ruminants
Dr. Dahlia O'Brien

1:00 pm-5:00 pm USAHA Subcommittee on Pharmaceutical Issues  557
1:00 pm-5:00 pm USAHA Committee on Cattle and Bison  Ballroom B
2:30 pm-3:30 pm Break  Rotunda Foyer
6:00 pm-7:00 pm USAHA Board of Directors Meeting  Ballroom A
7:00 am-8:00 am  Morning Coffee, by Boehringer Ingelheim  Rotunda Foyer
8:00 am-12:00 pm  USAHA Display Tables  Rotunda Foyer
8:00 am-12:00 pm  USAHA Committee on One Health  Ballroom D
8:00 am-12:00 pm  USAHA Committee on Animal Welfare  551
8:00 am-12:00 pm  USAHA Committee on Parasitic & Vector Borne Diseases  552
9:30 am-10:30 am  Break  Rotunda Foyer
2:00 pm-3:30 pm  USAHA Business Session - Membership Meeting  Ballroom D
3:30 pm-4:30 pm  USAHA Board of Directors Meeting  Ballroom A
6:00 pm  USAHA Executive Committee Meeting and Dinner - CLOSED

WEDNESDAY, OCTOBER 30, 2019
Registration: 7:30 am-10:00 am
Daily Events
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<tr>
<th>Time</th>
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<th>Presenter/Details</th>
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<tr>
<td>3:30-4:15 pm</td>
<td>The Clark Enersen Partners &amp; McCownGordon Construction</td>
<td>553</td>
<td>Veterinary Diagnostic and Animal Facility Construction Delivery Options</td>
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<td>4:45-5:15 pm</td>
<td>Tetracore</td>
<td>553</td>
<td>African Swine Fever: Disease, Diagnostics and the Global Scene</td>
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<td>6:00-6:30 pm</td>
<td>IDEXX</td>
<td>553</td>
<td>Identification of Truly Negative Animals to M. bovis</td>
<td>presented by Dr. Rafael Paiva</td>
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<tr>
<td>6:00-6:30 pm</td>
<td>Thermo Fisher Scientific</td>
<td>556</td>
<td>African Swine Fever, the virus that loves to travel internationally.</td>
<td>Outbreak readiness.</td>
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<tr>
<td>6:30-7:00 pm</td>
<td>INDICAL Inc.</td>
<td>554</td>
<td>From established sample and assay technologies to novel point-of-need applications, discover how INDICAL’s solutions help to improve veterinary testing.</td>
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<tr>
<td>7:00-7:30 pm</td>
<td>Illumina</td>
<td>556</td>
<td>Next Generation Sequencing &amp; Microarray Advances in Veterinary Diagnostics and Breeding</td>
<td>Presenter: Kahlil Lawless, Ph.D.</td>
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AAVLD EXHIBITORS

Exhibit Hall Times and Poster Session
Rhode Island Convention Center
October 26 Saturday 9:00 am-6:00 pm
October 27 Sunday 9:00 am-1:00 pm

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

Authors at posters
October 26 Saturday 3:00-4:00 pm
October 27 Sunday 12:00-1:00 pm

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<th>BOOTH #</th>
<th>COMPANY</th>
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<td>Acclaim Systems Inc</td>
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<td>Advanced Technology Corp. VADDS</td>
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<td>The Clark Enersen Partners</td>
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<td>GIMDx, Inc.</td>
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<td>Gyros Protein Technologies</td>
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<td>101 &amp; 200</td>
<td>IDEXX Laboratories</td>
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<td>201 &amp; 203</td>
<td>INDICAL Inc.</td>
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<td>iVention, LLC</td>
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<td>Longhorn Vaccines and Diagnostics LLC</td>
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<tr>
<td>411</td>
<td>Meridian Life Science</td>
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<td>Merrick &amp; Company</td>
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<td>110</td>
<td>Milestone Medical Technologies, Inc.</td>
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<td>MP Biomedicals, LLC</td>
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<td>OPS Diagnostics, LLC.</td>
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<td>408</td>
<td>Precision System Science USA, Inc.</td>
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<td>403</td>
<td>PRI Bio (Progressive Recovery, Inc.)</td>
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<td>102</td>
<td>Roche Diagnostic Corporation</td>
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<td>204</td>
<td>Tetracore, Inc.</td>
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<td>300, 302 &amp; 304</td>
<td>Thermo Fisher Scientific</td>
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<tr>
<td>413</td>
<td>Trace First, Inc</td>
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<td>309 &amp; 311</td>
<td>VMRD, Inc.</td>
</tr>
<tr>
<td>205</td>
<td>Zoetis</td>
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FUTURE USAHA/AAVLD ANNUAL MEETINGS

Nashville, Tennessee                          Denver, Colorado
October 15-21, 2020                                     October 21-27, 2021
Gaylord Opryland Hotel                            Gaylord Rockies Hotel

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