

American Association of Veterinary Parasitologists
66th Annual Meeting, Hybrid Meeting, June 19th–22nd 2021

RECORD OF PARTICIPATION IN CONTINUING EDUCATION PROGRAM

Name: _____

Address: _____

License Number: _____

State/Province/Country of Licensure: _____

I attest that I viewed the contents of the following number of continuing education sessions, totaling _____ hours provided by the American Association of Veterinary Parasitologists 66th Annual Meeting which was held as a hybrid meeting on June 19th–22nd, 2021, with content available for viewing in my own time following the virtual meeting.

Signature: _____ Date: _____

PRESENTATION TITLE		CREDITS	VIEWED
HYBRID MEETING			
Saturday June 19, 2021			
14.00-18.30	Plenary Session: Current Challenges and the Avenues Ahead		
14.15-15.00	1. ¹ Problems with parasitology data and what to do about them Matthew Denwood, University of Copenhagen	0.75	
15.15-16.00	2. The genetics of resistance in free-living and parasitic nematods Erik Andersen, Northwestern University	0.75	
16.45-18.30	AAVP Awards		
16.45-17.15	2021 AAVP-Merck Animal Health Outstanding Graduate Student <i>Awarded to Jeff Gruntmeir (30 mins), University of Florida</i> Heat treatment, what are we missing? Determining the effects on diagnostic accuracy for <i>Dirofilaria immitis</i> antigen in dogs and antibody interference	0.50	
17.20-17.50	2021 AAVP-Boehringer Ingelheim Distinguished Veterinary Parasitologist <i>Awarded to Andrew Peregrine, University of Guelph</i> From Kenya to Canada: Lessons learned?!	0.50	
17.55-18.25	2021 AAVP-William C. Campbell One-Health Award <i>Awarded to Michael Yabsley, University of Georgia</i> My experiences on why parasites belong in a One Health framework	0.50	
Sunday June 20, 2021			
8.30-10.00	Session 1 In-Person Oral Presentations: Treatment Modalities and Resistance		
8.30-8.45	11. Ivermectin and moxidectin have distinct pharmacological profiles on the GLC-2 GluCl Timothy Geary, McGill University	0.25	

¹ The numbers associated with the titles of the presentations correspond to the numbers of the abstracts in the proceedings.

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	PRESENTATION TITLE	CREDITS	VIEWED
8.45-9.00	24. Lack of canonical beta-tubulin resistance variants in two benzimidazole-resistant ascarid species James B. Collins, University of Georgia	0.25	
9.00-9.15	14. Optimization studies of a new modality of deworming: Cry5B IBaCC Kelly Flanagan, University of Massachusetts	0.25	
9.15-9.30	17. In vitro screening of phosphoethanolamine methyltransferases (PMTs) inhibitor compounds as potential new broad-spectrum anthelmintics Leonor Sicalo Gianechini, University of Georgia	0.25	
9.30-9.45	18. Using a primary <i>C. elegans</i> mutant screen to identify candidate genes that affect the ivermectin sensitivity of the filarial worm <i>B. malayi</i> after RNAi Natalie Wilson, University of Georgia	0.25	
9.45-10.00	21. The break-through of macrocyclic lactone resistance in cyathostomins? Martin Nielsen, University of Kentucky	0.25	
10.30-12.00	Session 2 In-Person Oral Presentations: Equine Parasitology		
10.30-10.45	69. Examining surface antigen variation in <i>Sarcocystis neurona</i> based on whole-genome sequencing of multiple isolates Jamie Norris, University of Kentucky	0.25	
10.45-11.00	28. <i>Too cool for school: How analyst training affects fecal egg count variability</i> Jennifer Cain, University of Kentucky	0.25	
11.00-11.15	23. Ivermectin and moxidectin: Egg reappearance periods and anthelmintic efficacy Martin Nielsen, University of Kentucky	0.25	
11.15-11.30	32. Cyathostomin scavenger hunt - Evaluating precision of parasite burden estimation Mackenzie Smith, University of Kentucky	0.25	
11.30-11.45	68. Comparative H-gal-GP and H11 specific antibody binding in equine cyathostomins Sidney Long, The Ohio State University	0.25	
11.45-12.00	35. Cultivating tradition: Evaluation of the larval culture method for diagnosis of <i>Strongylus vulgaris</i> Jessica Scare Kenealy, Eastern Kentucky University	0.25	
12.15-13.15	Zoetis Luncheon Symposium Break the pet-parasite cycle: The connection between prevention and screening Yoko Nagamori, Zoetis	1.00	
13.30-14.15	Editors' panel: How to get that paper published Panel: Dwight Bowman, Jennifer Ketzis, Martin Nielsen	0.75	
14.30-15.30	Boehringer Ingelheim Seminar 5. Multiple anthelmintic resistance in <i>Ancylostoma caninum</i> : It's much worse than we feared Ray Kaplan, University of Georgia	1.00	
16.00-18.00	Session 3 In-Person Oral Presentations: Vectors and Vector-Borne Pathogens		
16.00-16.15	84. Equine tick-borne rickettsial infections in northeastern Oklahoma Kathryn Duncan, Oklahoma State University	0.25	
16.15-16.30	50. Tracking an invader: Wildlife surveillance for <i>Haemaphysalis longicornis</i> in the eastern U.S. Alec Thompson, University of Georgia	0.25	
16.30-16.45	73. AC-DC electropenetrography unmasks fine temporal details of feeding behaviors for two tick species on unsexed hosts Kathryn Reif, Kansas State University	0.25	

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PRESENTATION TITLE		CREDITS	VIEWED
16.45-17.00	39. Population genetic structure of the Asian longhorned tick, <i>Haemaphysalis longicornis</i> Alec Thompson, University of Georgia	0.25	
17.00-17.15	44. Multi-season survey of ixodid tick species on domestic dogs in Chad, Africa Morgan Friedman, University of Georgia	0.25	
17.15-17.30	46. Ixodid ticks of the Cumberland Gap Region (2016-2020) Barbara Shock, Lincoln Memorial University	0.25	
17.30-17.45	12. Efficacy of a tetanus toxoid-dPNAG conjugated vaccine against experimental <i>Dirofilaria immitis</i> infections in dogs Byron Blagburn, Auburn University	0.25	
17.45-18.00	30. Assessing the field performance of a cell-phone based video-microscope for diagnosing heartworm infection in dogs Guilherme Verocai, Texas A&M University	0.25	
Monday June 21, 2021			
8.30-10.00	Session 4 In-Person Oral Presentations: Protozoa		
8.30-8.45	62. Locally transmitted <i>Trypanosoma cruzi</i> in a domestic llama (<i>Llama glama</i>) with megaesophagus in a rural area of greater New Orleans, Louisiana, USA Julie Thompson, Tulane University	0.25	
8.45-9.00	63. Clinical and subclinical <i>Cytauxzoon felis</i> infections in domestic cats in southern Illinois. Elliott Ziemann, Eastern Illinois University	0.25	
9.00-9.15	71. Cytopathic effect of <i>Trichomonas gallinae</i> on cell culture after persistence in simulated environmental conditions Kathryn Purple, Lincoln Memorial University	0.25	
9.15-9.30	72. Metabolic profile of <i>Histomonas meleagridis</i> and undefined bacterial population in Dwyer's media with and without rice starch Sawsan Ammar, University of Tennessee	0.25	
9.30-9.45	49. Prevalence of <i>Cytauxzoon felis</i> infection carriers in eastern Kansas domestic cats. Kathryn Reif, Kansas State University	0.25	
9.45-10.00	67. <i>Histomonas meleagridis</i> outbreak & transmission pathway investigation on a private farm Laura Horton, University of Tennessee	0.25	
12.00-13.00	Merck Luncheon Symposium 6. Dog Owner Flea/Tick Treatment Behavior Assessed Through Veterinary Hospital Transaction Records Robert P. Lavan, Merck Animal Health	1.00	
13.15-14.15	Elanco Symposium 7. Pumping the breaks on tick feeding: Early effects of lotilaner on Lone Star Ticks Brian H. Herrin, Kansas State University	1.00	
14.30-15.45	Session 5 In-Person Oral Presentations: Canine and Diagnostics		
14.30-14.45	10. Establishment of dog model of <i>Brugia malayi</i> infection Andy Moorhead, University of Georgia	0.25	
14.45-15.00	64. Autochthonous, zoonotic <i>Onchocerca lupi</i> in a South Texas dog, United States Caroline Sobotyck, Texas A&M University	0.25	
15.00-15.15	42. Spatial analysis of four vector-borne pathogens among shelter dogs in the eastern United States Corinna Hazelrig, University of Georgia	0.25	
15.15-15.30	47. Nationwide seroprevalence of select vector-borne pathogens in shelter animals, 2007–2012. Lindsay Starkey, Auburn University	0.25	

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15.30-15.45	29. Assessment of an automated fecal egg count system for small ruminants Paul Slusarewicz, MEP Equine Solutions	0.25	
16.15-17.30	Session 6 In-Person Oral Presentations: Wildlife parasitology		
16.15-16.30	40. Disentangling the cryptic biodiversity of <i>Onchocerca</i> in wild North American ungulates Matthew Kulpa, Texas A&M University	0.25	
16.30-16.45	65. OMG! EPM associated <i>Neospora caninum</i> in a captive bred zebra (<i>Equus Zebra</i>) Antoinette Marsh, The Ohio State University	0.25	
16.45-17.00	55. Surveillance for <i>Echinococcus</i> species infections among wild canids in Pennsylvania Kayla Garrett, University of Georgia	0.25	
17.00-17.15	58. Survey of nuisance coyote populations in the Panhandle of Texas with an emphasis of parasites of Zoonotic importance Ashley Steuer, Texas Tech University	0.25	
17.15-17.30	56. Clinical babesiosis in a North American river otter (<i>Lontra canadensis</i>) and the prevalence and genetic characterization of this <i>Babesia microti</i> -like species in the eastern United States Kayla Garrett, University of Georgia	0.25	
Tuesday June 22, 2021			
8.30-10.30	President's Symposium: Current Challenges and the Avenues Ahead		
8.30-9.15	3. Equine parasitology goes wild: The Sable Island Horse Project Jocelyn Poissant, University of Calgary	0.75	
9.15-10.30	4. A primer on parasitic nematode extracellular vesicles and why they are relevant to the host-parasite interface Michael Kimber, Iowa State University	0.75	
11.00-12.30	AAVP-NCVP Parasite Clicker Case Discussions	1.50	
VIRTUAL SHORT ORAL PRESENTATIONS (view in your own time)			
Control			
8.	Comparative preventive efficacy of ProHeart®12, Heartgard® Plus and Interceptor®Plus against a macrocyclic lactone-resistant strain (JYD-34) of heartworm (<i>Dirofilaria immitis</i>) in dogs inoculated 6 months after commencing treatment Tom McTier, Zoetis	0.25	
9.	Retrospective analysis of Heartworm (<i>Dirofilaria immitis</i>) prevention medication compliance and economic value in dogs in veterinary practices in Australia Kennedy Mwacalimba, Zoetis	0.25	
13.	Vectra®3D blocks transmission of <i>Borrelia burgdorferi</i> by wild-collected <i>Ixodes scapularis</i> ticks in an <i>ex vivo</i> feeding model Djamel Tahir, Clinvet Morocco	0.25	
15.	Safety of Simparica Trio® in heartworm-positive dogs and its effect on microfilariae and adult heartworms (<i>Dirofilaria immitis</i>) Sheerin Mathur, Zoetis	0.25	
16.	Predicting pasture infectivity for improved management of gastrointestinal nematodes in cattle on temperate grasslands Tong Wang, University of Calgary	0.25	
19.	Early onset of pre-lethal effects of lotilaner (Credelio®) on <i>Amblyomma americanum</i> ticks on experimentally infested dogs Martha Wenger, Kansas State University	0.25	
20.	Efficacy of oral moxidectin against induced <i>Ancylostoma caninum</i> and <i>Toxocara canis</i> infections in dogs Jessica Rodriguez, Zoetis	0.25	
Resistance			
22.	Multiple drug resistance in hookworms infecting greyhounds in the USA Pablo Jimenez Castro, University of Georgia	0.25	
25.	Deep amplicon sequencing reveals that benzimidazole resistance mutations commonly occur in <i>A. caninum</i> populations of pet dogs across the USA Abhinaya Venkatesan, University of Calgary	0.25	

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26. Modular molecular epidemiological toolkit for studying anthelmintic resistance using next-generation sequencing technology Rebecca Chen, University of Calgary	0.25	
27. Large-scale molecular epidemiology and geospatial mapping to investigate patterns of benzimidazole resistance occurrence and spread in North American sheep flocks Camila Queiroz, University of Calgary	0.25	
Diagnosis		
31. Creating curated databases for different rDNA cistron markers of nematodes to support more flexible and customized nemabiome metabarcoding Eleonore Charrier, University of Calgary	0.25	
33. Next Generation Sequencing-based metabarcoding to investigate species diversity of morphologically classified cattle <i>Eimeria</i> Venkateswara Rao Parimiseti, University of Calgary	0.25	
34. Effect of increasing temperature on the denaturation of canine IgG and its ability to inhibit heartworm antigen detection Jeff Gruntmeir, University of Florida	0.25	
36. Investigating the potential for heartworm antigen test cross-reactivity in dogs infected with intestinal helminths Alice Lee, University of Florida	0.25	
Epidemiology		
37. Heartworm in carnivores kept in zoos located in Texas, USA: risk perception, practices, and prevalence Kaitlyn Upton, Texas A&M University	0.25	
38. Heartworm prevalence in dogs versus cats: Multiple diagnostic modalities provide new insights Kennedy Mwacalimba, Zoetis	0.25	
41. Detection of five common internal parasites in high animal traffic areas. Tanner Hernandez, Louisiana State University	0.25	
43. Regional variations and patterns of infestation of ticks from horses across the United States Makaela Hedberg, Kansas State University	0.25	
45. Population characteristics of dogs and cats infested with ticks in the United States Susan Little, Oklahoma State University	0.25	
48. Improving public health surveillance of <i>Onchocerca lupi</i> through increased host and vector screening Chandler Roe, Northern Arizona University	0.25	
Wildlife		
51. Vector-borne and blood-borne parasitic disease prevalence survey in wild Texas ocelots (<i>Leopardus pardalis</i>) and bobcats (<i>Lynx rufus</i>) Nicole Szafranski, University of Tennessee	0.25	
52. Detection of <i>Trypanosoma cruzi</i> in raccoons and triatomines in northeast Kansas Kamilyah Miller, Kansas State University	0.25	
53. Parasites of Northern bobwhite quail (<i>Colinus virginianus</i>) from western Oklahoma Seth Wyckoff University of Georgia	0.25	
54. Wildlife diversity among villages in Chad, Africa with various levels of <i>Dracunculus medinensis</i> (Guinea worm) infections in domestic dogs: insights into possible reservoirs? Avery Korns, University of Georgia	0.25	
57. Susceptibility of anurans, lizards, and fish to infection with <i>Dracunculus</i> species larvae and implications for their roles as paratenic hosts Erin Box, University of Georgia	0.25	
59. The importance of mange diagnostics and some unusual clinical cases in wildlife Ryan Grunert, University of Georgia	0.25	
60. Distribution and prevalence of antibodies to <i>Trichinella</i> spp. and <i>Toxoplasma gondii</i> in feral swine in the United States Katherine Callaghan, University of Georgia	0.25	
61. What is blackhead disease in free-ranging wild turkeys (<i>Meleagris gallopavo</i>)?: Comparison of <i>Tetratrichomonas gallinarum</i> , <i>Simplicimonas</i> sp., and <i>Tritrichomonas</i> sp. infections with <i>Histomonas meleagridis</i> Rowan Bäck, University of Georgia	0.25	

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Novel Cases		
66. <i>Halicephalobus gingivalis</i> in the eye of a horse and chemoprophylaxis of a potentially exposed person Andrew Peregrine , <i>University of Guelph</i>	0.25	
Education		
70. Survey of parasitology instruction at North American veterinary colleges Meriam Saleh , <i>Texas A&M University</i>	0.25	
VIRTUAL POSTER PRESENTATIONS (view in your own time)		
Control		
74. A questionnaire survey on helminth control practices in horse farms in Lithuania Evelina Dauparaitė , <i>Lithuanian University of Health Sciences</i>	0.25	
75. Evaluation of plant secondary metabolites as inhibitors of <i>Cryptosporidium parvum</i> in vitro Jason Fritzier , <i>Texas Tech University</i>	0.25	
76. Applying DNA-encoded library (DEL) screens and machine learning (ML) to drug discovery in animal health Mackenzie Pfeiffer , <i>Animol Discovery</i>	0.25	
Resistance		
77. The effect of xenogeneic extracellular vesicles on the pathophysiology and drug resistance of <i>Leishmania</i> spp. infections in vivo Victoria Wagner , <i>Université de Montréal</i>	0.25	
Diagnosis		
78. Diagnostic Improvements in the Detection of Intestinal Habronematid Infections in Equids Jaime Hazard , <i>Cornell University</i>	0.25	
79. Towards automated identification and enumeration of eggs in fecal samples Jasmine Nejad , <i>Colorado State University</i>	0.25	
Epidemiology		
80. Assessing the human healthcare burden of zoonotic diseases: an analysis of hospital discharge records for characterizing patients and analyzing trends in <i>Toxoplasma gondii</i> (toxoplasmosis) cases in Nevada for 2013-2019 Chad Cross , <i>University of Nevada</i>	0.25	
81. Bovine trichomonosis cases in the United States 2015 – 2019 Katy Martin , <i>Iowa State University</i>	0.25	
82. Mitochondrial haplotypes, phylogenetic relationships, and beta-tubulin SNPs among U.S. field isolates of <i>Ancylostoma caninum</i> Theresa Quintana , <i>Kansas State University</i>	0.25	
83. Molecular detection of <i>Trypanosoma cruzi</i> in kissing bugs collected across Oklahoma Kelly Allen , <i>Oklahoma State University</i>	0.25	
84. Equine tick-borne rickettsial infections in northeastern Oklahoma Kathryn Duncan , <i>Oklahoma State University</i>	0.25	
85. Genetic diversity of <i>Trypanosoma cruzi</i> among infected Southern Louisiana shelter cats Hans Desale , <i>Tulane University</i>	0.25	
Wildlife		
86. Prevalence of <i>Baylisascaris procyonis</i> in raccoons (<i>Procyon lotor</i>) from Merrick County, Nebraska Sydney Reeves , <i>Kansas State University</i>	0.25	
87. Prevalence of internal parasites in wildlife and domestic canids from western Alaska and comparison of <i>Toxascaris leonina</i> cox 1 gene sequences Karisa Sommermeyer , <i>Colorado State University</i>	0.25	
88. Surveillance to determine the sylvatic range of Feline Cytauxzoonosis in NE United States Manigandan Lejeune , <i>Cornell University</i>	0.25	
89. Detection of <i>Cytauxzoon felis</i> , <i>Hepatozoon</i> spp., and <i>Sarcocystis</i> spp. in bobcats (<i>Lynx rufus</i>) from Oklahoma Megan Lineberry , <i>Oklahoma State University</i>	0.25	

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90. <i>Echinococcus multilocularis</i> and lungworm infection in wild canids from Virginia: Preliminary results Roger Ramirez-Barrios , <i>Virginia Tech</i>	0.25	
Education		
91. Veterinarian perceptions of canine giardiasis and communication on zoonotic potential in the U.S. Megan Eppler , <i>Kansas State University</i>	0.25	
Novel Cases		
92. Clinical <i>Sarcocystis neurona</i> in a dog co-infected with <i>Ancylostoma caninum</i> Ruth Scimeca , <i>Oklahoma State University</i>	0.25	
TOTAL CREDITS (total maximum credits: 32.25 hours)		