



WILDLIFE DISEASE ASSOCIATION

67th Annual International Conference

August 5-10, 2018 | St. Augustine, FL | USA

*Connecting Wildlife Health, Conservation and
Management in a Changing World*

2018 WDA Conference Agenda

Sunday, August 5, 2018	
8:00am-12:00pm	AM Workshop – Legends 1 Optimal Diagnostic Sample Handling and Processing Techniques in Wildlife Health Assessment Studies
9:00am-12:00pm	Editorial Board Meeting – Wentworth
9:00am-4:00pm	All Day Workshop <i>Crocodile and Alligator Health</i> <i>*Bus departs promptly at 9:00am from the Conference Center</i>
12:00pm-1:00pm	Workshop Attendees – Lunch on Own WDA Leadership Lunch – Troon
1:00pm-5:00pm	PM Workshop – Legends 1 Perspective on Management of Vampire Bat Populations in a One Health Context
1:00pm-5:00pm	WDA Council Meeting – Wentworth
3:00pm	Conference & Photo Competition Registration Opens
3:00pm-5:00pm	Sponsor Display Move-In Student Poster Set-Up – St. Augustine D
5:00pm-7:00pm	Welcome Social – Poolside

Monday, August 6, 2018	
7:00am-5:00pm	Conference Registration Open
7:30am-8:30am	Morning Refreshments – St. Augustine D
Opening Plenary Session [8:30am-10:00am]	
Moderator	Debra Miller
Location	St. Augustine EFG
8:30am	Debra Miller , WDA President, University of Tennessee Conference Opening Welcome Address
8:45am	Carlton Ward , Conservation Photographer, National Geographic Society
9:30am	Jack Payne , Senior Vice President for Agriculture and Natural Resources, University of Florida/IFAS
10:00am-10:30am	Refreshment Break – St. Augustine D
Opening Plenary Session Continued [10:30am-12:00pm]	
Moderator	Charles Rupprecht
Location	St. Augustine EFG
10:30am	Rich Chipman , Coordinator, USDA, Animal and Plant Health Inspection Service (APHIS) Stammtisch and the Art and Science of Wildlife Rabies Management in a Changing World
11:15am	Al Franzman Speaker : Thierry Work , U.S. Geological Survey Impact of Ocean Health on Marine Animal and Plant Communities
12:00pm-1:30pm	Lunch Provided – Pre-function Area
12:15pm-1:15pm	WDA Business Luncheon #1: Ex Man Report on the State of WDA and Recognitions – Legends 1

Monday, August 6, 2018	
Plenary Session - Outbreak Investigation and Response [1:30pm-3:00pm]	
Moderator	Leslie Woods
Location	St. Augustine EFG
1:30pm	Valerie McKenzie , University of Colorado Global Patterns of Emerging Infectious Diseases Affecting Wildlife
1:45pm	Lynn Miller , South Florida Wildlife Center A Review of the Impact that Can Occur with the Loss of a Vibrant Urbanized Canid Population to Sarcoptic Mange: From Human Health Issues to Managing Cases in Wildlife Rehabilitation
2:00pm	Jolene Giacinti , University of Guelph Comparison of an Active and Passive Surveillance System for Determining the Distribution and Influence of Host and Environmental Factors on Canine Distemper Virus in Ontario Raccoons
2:15pm	Knut Madslie , Norwegian Veterinary Institute Chronic Wasting Disease in Norway: An Update on Surveillance, Research and Disease Development
2:30pm	Kristin Bondo , University of Calgary Health of Boreal Caribou in a Period of Unusually High Mortality in Northeastern British Columbia, Canada
2:45pm	Leslie Woods , University of California, Davis Update on Adenovirus Hemorrhagic Disease in Deer in California
3:00pm-3:30pm	Refreshment Break – St. Augustine D
Plenary Session - Global Wildlife Health Capacities [3:30pm-5:00pm]	
Moderator	Craig Stephen
Location	St. Augustine EFG
3:30pm	Craig Stephen , Canadian Wildlife Health Cooperative Can Harm Reduction be Adapted as a Strategy for Wildlife Health Action in the Face of Uncertainty and Conflict?
3:45pm	Ishwari Dhakal , Agriculture and Forestry University, Nepal Assessment of Wildlife Health Capacity in Nepal
4:00pm	M. Camille Hopkins , U.S. Geological Survey Prioritization of Zoonotic Diseases in the United States Using a Multisectoral One Health Approach
4:15pm	Paolo Tizzani , OIE - World Organisation for Animal Health Dynamics of and Factors Affecting the Occurrence of Rabies in Humans and Animals in South America
4:30pm	Mathieu Pruvot , Wildlife Conservation Society Developing Sustainable Wildlife Health Surveillance in Cambodia and Laos
4:45pm	Colin Gillin , Oregon Department of Fish and Wildlife Chronic Wasting Disease Best Management Practices for States and Provinces: An Association of Fish and Wildlife Agencies Initiative
5:00pm-7:00pm	Student/Mentor Event – World Golf Hall of Fame Patio by the Pool of Unity
7:00pm-9:00pm	Group Picnic – World Golf Hall of Fame Patio by the Pool of Unity

Tuesday, August 7, 2018	
7:30am-5:00pm	Conference Registration Open
7:30am-8:30am	Morning Refreshments – St. Augustine D
8:30am-9:00am	Student Research Recognition Award Winner Presentation - Moderator: Tiggy Grillo Sarah Sapp , University of Georgia A Can of Worms: One Health Studies on the Epidemiology and Transmission of the Raccoon Roundworm (<i>Baylisascaris procyonis</i>) Among Human, Domestic, and Wildlife Hosts
Student Competition Session 1 [9:00am-10:30am]	
Moderator	Nancy Boedeker
Location	St. Augustine EFG
9:00am	Laura Adamovicz , University of Illinois Modeling Approaches for Promoting Health in Free-Living Ornate Box Turtles (<i>Terrapene ornata ornata</i>)
9:15am	Jennifer Bloodgood , University of Georgia Blood Nutritional Markers Reveal Effects of Rehabilitation Diet on Green Sea Turtle Health
9:30am	Davis Carter , University of Tennessee, Knoxville Susceptibility of Species in the Subfamily Spelerpinae to <i>Batrachochytrium salamandrivorans</i>
9:45am	Ellen Haynes , University of Illinois Clinical Trial and Pharmacokinetic Analysis of Terbinafine Nebulization in Wild Snakes with Snake Fungal Disease
10:00am	Rebecca Hardman , University of Tennessee Hellbender Skin Antimicrobial Peptides Show Variable Inhibition Against Chytrid Fungus, <i>Batrachochytrium dendrobatidis</i>
10:15am	Alyssa Wetterau , Cornell-Smithsonian Joint Graduate Training Program Chytridiomycosis Causes Microbial Community Shifts in Eastern Hellbender Salamanders (<i>Cryptobranchus alleganiensis alleganiensis</i>)
10:30am-11:15am	Student Poster Session 1 – St. Augustine D Refreshment Break
Student Competition Session 2 [11:15am-12:15pm]	
Moderator	Sonia Hernandez
Location	St. Augustine EFG
11:15am	Cristina Blanco , Arkansas Tech University Burns, Bats, and Bugs: Spatial and Temporal Effects of Fire on Bats and their Prey Species
11:30am	Kevin Niedringhaus , University of Georgia The Use of Serology as a Tool to Investigate Sarcoptic Mange in American Black Bears (<i>Ursus americanus</i>)
11:45am	Molly Martony , University of Florida Establishing a Diagnostic Technique for Coelomocentesis in the Long-Spined Sea Urchin (<i>Diadema antillarum</i>)
12:00pm	Adam Hering , University of Saskatchewan Advances in the Treatment and Management of <i>Psoroptes ovis</i> in Bighorn Sheep
12:15pm-1:30pm	Lunch Provided – Pre-function Area WDA Business Luncheon #2: Editor Report on the State of JWD and Travel Awards – Legends 1

Tuesday, August 7, 2018	
Student Competition Session 3 [1:30pm-2:45pm]	
Moderator	Justin Brown
Location	<i>St. Augustine EFG</i>
1:30pm	Ellie Milnes , Toronto Zoo Migratory Birds, Tick-Borne Disease, and Deer in a Changing Climate: Investigating the Emergence of <i>Babesia odocoilei</i> in Ontario, Canada
1:45pm	Joseph Hicks , University of Texas, Houston Phylogenetic Inference of Avian Paramyxovirus-1 Global Migration and Inter-Host Transmission
2:00pm	Charlie Bahnsen , University of Georgia Experimental Infections and Serology Provide Evidence for Including White Ibis (<i>Eudocimus albus</i>) Among the Type A Influenza Virus Natural Reservoir System
2:15pm	Brianna Williams , University of Georgia Diversity and Intensity of Ectoparasites of Breeding Seabirds on Middleton Island, Alaska and their Growth Impacts on Nesting Black-Legged Kittiwake Chicks
2:30pm	Amanda MacDonald , University of Guelph Survey of Potential Pathogens in Wild Turkeys (<i>Meleagris gallopavo</i>) in Ontario, Canada
2:45pm-3:30pm	Student Poster Session 2 – <i>St. Augustine D</i> Refreshment Break Photo Competition photos removed
3:30pm	Student Poster Removal and General Poster Set-Up <i>Removal must be completed by end of day Tuesday; set-up must be completed by 9:00am Wednesday</i>
Student Competition Session 4 [3:30pm-4:45pm]	
Moderator	Jenny McLelland
Location	<i>St. Augustine EFG</i>
3:30pm	Irene Sacristan Yagüe , Andrés Bello National University Understanding the Epidemiology of Hemotropic Mycoplasma in the Wild Felid Guigna in Chile
3:45pm	Sanatana-Eirini Soilemetzidou , Leibniz Institute for Zoo and Wildlife Research Influenza A Virus Exposure and Diversity in African Mammals is Driven by Diet but Not Sociality or Phylogeny
4:00pm	Diego Montecino-Latorre , University of California, Davis Examining the Relationship Between the Life History of Chiroptera Species in Central-East Africa and Coronavirus Shedding
4:15pm	Alissa Deming , University of Florida Retrospective Analysis of the Prevalence of Urogenital Carcinoma Over a Decade in Stranded California Sea Lions (<i>Zalophus californianus</i>)
4:30pm	Tatiana Proboste , University of Queensland Commensal Bacterial Sharing is Not Predicted by Host Social Interactions: Implications for Disease Transmission Networks
6:30pm-10:30pm	Dinner and Silent & Live Auctions – <i>St. Augustine ABC</i>

Wednesday, August 8, 2018		
7:30am-12:00pm	Conference Registration Open	
7:30am-8:30am	Morning Refreshments – St. Augustine D	
7:30am-8:30am	AAWV Business Meeting – Wentworth	
Concurrent Sessions		
8:30am-10:00am	Emerging Diseases and Conservation of Herpetofauna: Part A	Effects of Catastrophic Events on Wildlife
Location	Legends 2 & 3	Legends 1
Moderator	Amanda Duffus	Lee Jones
8:30am	Matt Allender , University of Illinois The Changing Epidemiology of Snake Fungal Disease Over the Last 10 Years	Christine Fiorello , Albuquerque BioPark Post-Release Survival and Movement of Oiled and Rehabilitated Brown Pelicans (<i>Pelecanus occidentalis</i>) Affected by the 2015 Refugio Oil Spill in California
8:45am	Karrie Rose , Taronga Conservation Society Australia Emergent Bacterial Infection Threatening Endangered Christmas Island Reptiles	Lee Jones , U.S. Fish and Wildlife Service Mortality of Little Brown Bats (<i>Myotis lucifugus carissima</i>) Naturally Exposed to Microcystin-LR
9:00am	Cait McDonald , Cornell University Newt Responses to the Next Amphibian Threat: Transcriptome Analyses of Eastern Newt (<i>Notophthalmus viridescens</i>) Susceptibility to <i>Batrachochytrium salamandrivorans</i> (BSAL)	Lisa Shender , Florida Fish and Wildlife Conservation Commission A Probable Sewage-Related Outbreak of Salmonellosis in a Black Skimmer (<i>Rynchops niger</i>) Colony in Florida
9:15am	Markese Bohanon , University of Tennessee Refinement of Methodologies for Susceptibility Challenges with the Emerging Fungal Pathogen <i>Batrachochytrium salamandrivorans</i>	Torsten Mörner , National Veterinary Institute Thiamine Deficiency in the Baltic Sea Environment – An Ecological Catastrophe
9:30am	Matthew Gray , University of Tennessee Susceptibility of North American Newt Species to <i>Batrachochytrium salamandrivorans</i>	Martine de Wit , Florida Fish and Wildlife Conservation Commission Investigations into an Unusual Mortality Event of Manatees in the Indian River Lagoon, Florida
9:45am	Debra Miller , University of Tennessee Pathology in <i>Notophthalmus viridescens</i> Coinfected with <i>Batrachochytrium dendrobatidis</i> and <i>B. salamandrivorans</i>	Thierry Work , U.S. Geological Survey Managing an Invasive Anemone Threatening Coral Reefs at Palmyra Atoll National Wildlife Refuge, Line Islands, Central Pacific
10:00am-10:45am	General Poster Session 1 – St. Augustine D Refreshment Break	

Wednesday, August 8, 2018		
Concurrent Sessions		
10:45am-12:00pm	Emerging Diseases and Conservation of Herpetofauna: Part B	Technological Advances in Surveillance and Medicine
Location	<i>Legends 2 & 3</i>	<i>Legends 1</i>
Moderator	Amanda Duffus	Aubrey Tauer
10:45am	Annie Page-Karjian , Florida Atlantic University Further Investigation into the Pathophysiology of Chelonid Herpesvirus 5 and its Potential Relationship to Renal Fibrosis in Juvenile Green Turtles (<i>Chelonia mydas</i>)	Julie Melotti , Michigan Department of Natural Resources Web Reporting and Citizen Science in Disease Detections
11:00am	Rebecca Cozad , University of Georgia Pathogen Surveillance in Translocated Gopher Tortoises (<i>Gopherus polyphemus</i>) in Northwest Florida	Julia Silva Seixas , Pennsylvania State University Assessment of the Blood Pregnancy-Specific Protein B Test to Determine Pregnancy in Free-Ranging Elk (<i>Cervus elaphus</i>)
11:15am	Justin Perrault , Loggerhead Marinelifelife Center Plastic-Derived Contaminants in Leatherback Sea Turtles: Implications for Health and Hatchling Quality	Stuart Patterson , Royal Veterinary College An Intervention Trial of Two Targeted Vaccination Strategies Against Tuberculosis in Wild Meerkats
11:30am	Stacey Lance , University of Georgia Ranavirus and Amphibians: Is There a Dilution Effect?	Rebecca Frey , USDA APHIS Veterinary Services Evaluation of Gonacon, a Contraceptive Vaccine, to Stop Transmission of Brucellosis in Bison
11:45am	Terry Norton , Georgia Sea Turtle Center Meshing Rehabilitation, Education, and Research: The Jekyll Island Diamondback Terrapin (<i>Malaclemys terrapin</i>) Model	Anne Ballmann , U.S. Geological Survey Evaluating Bat Guano at Summer Roosts as an Alternative Sampling Strategy for Surveillance of <i>Pseudogymnoascus destructans</i>
12:00pm-5:00pm	Optional Field Trips	
5:00pm	Dinner on Own	

Thursday, August 9, 2018	
7:30am-5:00pm	Conference Registration Open
7:30am-8:30am	Morning Refreshments – <i>St. Augustine D</i>
Plenary Session [8:30am-10:00am]	
Moderator	Samantha Gibbs
Location	<i>St. Augustine EFG</i>
8:30am	Chris Walzer , Wildlife Conservation Society Coral Capture and Anaesthesia of Asiatic Wild Ass (<i>E. hemionus</i>) in Iran and Kazakhstan
8:45am	Sarah Funck , Florida Fish and Wildlife Conservation Commission Nonnative Fish and Wildlife in Florida: An Overview
9:00am	Jon Paul Rodriguez , IUCN Species Survival Commission The Role of the IUCN Species Survival Commission in Saving the World's Species
10:00am-10:45am	General Poster Session 2 – <i>St. Augustine D</i> Refreshment Break
Concurrent Sessions	
10:45am-12:00pm	Interface of Wildlife, Humans, Livestock and Companion Animals Marine Health
Location	<i>Legends 1</i> <i>Legends 2 & 3</i>
Moderator	Richard Gerhold Kristen Gilardi
10:45am	Richard Gerhold , University of Tennessee <i>Histomonas meleagridis</i> (blackhead disease) Transmission from Commercial Poultry Litter to Wild Turkey (<i>Meleagris gallopavo</i>) in Middle Tennessee
11:00am	Cristóbal Briceño , University of Chile Protozoa in the City: Characterizing the Role of Urban Invasive Monk Parakeets as a Public Health Threat in Santiago, Chile
11:15am	Shannon Curry , University of Georgia Predicting Shifts in Immunity for the Urban-Adapting White Ibis (<i>Eudocimus albus</i>) in South Florida
11:30am	Leticia Gutiérrez Jiménez , EcoHealth Alliance Anthropogenic Disturbance Modulates the Mammal Host Community and Infectious Disease Risk
11:45am	Constanza Napolitano , University of Chile What MHC Can Tell Us About Pathogens: Immunogenetic Variation in the Wild Felid Guigna Across Landscapes with Differential Anthropogenic Disturbance in Chile
12:00pm-1:30pm	Lunch Provided – <i>Pre-function Area</i>

Thursday, August 9, 2018		
Concurrent Sessions		
1:30pm-3:00pm	Vector Borne and Zoonotic Diseases: Part A	AAWV/AAZV: Veterinary Challenges in Field Conservation: Part A
Location	<i>Legends 1</i>	<i>Legends 2 & 3</i>
Moderator	Justin Brown	Clay Hilton
1:30pm	Brian Amman , Centers for Disease Control and Prevention Experimental Infection of Egyptian Rousette Bats (<i>Rousettus aegyptiacus</i>) with Sosuga Virus	Anne Justice-Allen , Arizona Game and Fish Department Detection of EHDV-6 in Mule Deer in Arizona: Range Expansion of Climate Dependent Vector-Borne Disease
1:45pm	Amy Schuh , Centers for Disease Control and Prevention Comparative Analysis of Serological Cross-Reactivity Using Convalescent Sera from Filovirus-Experimentally Infected, Captive-Born Egyptian Rousette Bats	Margaret Wild , National Park Service Experimental Density Reduction to Decrease Prevalence of Chronic Wasting Disease in Elk
2:00pm	Charles Van Riper , U.S. Geological Survey New Tools for Documenting Migration Routes of Passerine Birds in the Americas: Providing a Better Understanding of Potential Zoonotic Disease Spreading Patterns	Kimberlee Beckmen , Alaska Department of Fish and Game Adenovirus Hemorrhagic Disease in Moose (<i>Alces alces</i>) and Surveillance in Cervids in Alaska
2:15pm	Shannon French , University of Guelph The Influence of Demographic and Environmental Factors on <i>Baylisascaris procyonis</i> Infection in Ontario Raccoons	Ismail Hirji , Tacugama Chimpanzee Sanctuary Undiagnosed Peracute Seasonal Mortality and Neurologic Syndrome in Wild-Born Captive Western Chimpanzees (<i>Pan troglodytes verus</i>) in Sierra Leone
2:30pm	Nathan Burkett-Cadena , Florida Medical Entomology Laboratory Cascading Impacts of the Invasive Burmese Pythons on the Transmission of Everglades Virus	Heather Fenton , Government of the Northwest Territories Frog Virus-3 Outbreak Investigation in Florida Box Turtles
2:45pm	Justin Brown , Pennsylvania Game Commission Defining the Impacts of West Nile Virus on Ruffed Grouse (<i>Bonasa umbellus</i>) in Pennsylvania	Mark Drew , Idaho Department of Fish and Game Elevated Body Temperature Associated with Ketamine Mixtures during Capture of Wolves, <i>Canis Lupus</i> , in Idaho, 1997-2018
3:00pm-3:30pm	Refreshment Break – St. Augustine D	
3:30pm	General Poster Removal <i>Removal must be completed by 12:00pm Friday</i>	

Thursday, August 9, 2018		
Concurrent Sessions		
3:30pm-5:00pm	Vector Borne and Zoonotic Diseases: Part B	AAWV/AAZV: Veterinary Challenges in Field Conservation: Part B
Location	<i>Legends 1</i>	<i>Legends 2 & 3</i>
Moderator	Mark Ruder	Anne Justice-Allen
3:30pm	Rebecca Poulson , University of Georgia The Maintenance and Migration of Influenza A and Paramyxoviruses with their Shorebird Hosts	Judy St. Leger , SeaWorld Parks and Entertainment Saving Endangered Killer Whales: A Captive and Free-Ranging Collaboration
3:45pm	Nancy Boedeker , Indiana Department of Natural Resources Identification and Geographic Distribution of Babesia SPP in Mesocarnivores (<i>Procyonidae</i> and <i>Mustelidae</i>) in Southeastern Massachusetts	Barry Hartup , International Crane Foundation Impacts to Integument from Leg Band-Mounted Telemetry Devices in Whooping Cranes (<i>Grus americana</i>)
4:00pm	Jeremy Orange , University of Florida Interannual Site Fidelity of Wild and Farmed White-Tailed Deer in Florida: Implications for Disease Intervention	Danilo Kluyber , Giant Armadillo Conservation Program Prevalence of Zoonotic Pathogens in Wild Armadillos Important for Public Health
4:15pm	Kristin Sloyer , University of Florida Ecological Niche Modeling of Four Culicoides Species of Veterinary Significance in Florida Using Genetic Algorithm for Ruleset Prediction (GARP)	Ania Tomaszewic Brown , Wildlife Conservation Society Development of a Rapid Canine Distemper Virus Test Using Portable, Smart-Phone Driven, Molecular Diagnostic Technology
4:30pm	Mark Ruder , University of Georgia Variation in EHDV-2 Infection Rates in <i>Culicoides sonorensis</i> After Feeding on Infected White-Tailed Deer Over the Course of Viremia	Kerry Schutten , African Lion Safari West Nile Virus Seroconversion in Loggerhead Shrike After Vaccination with a Killed Virus Vaccine with Application for Development of a Vaccination Protocol
4:45pm	Iga Stasiak , Kentucky Department of Fish and Wildlife Resources Epidemiological Investigation of an Outbreak of Epizootic Hemorrhagic Disease in Kentucky	Deidre Fontenot , Disney's Animals Science and Environment Pacific Avifauna Conservation Health Programs: Guam and Commonwealth of the Northern Marianas Islands (CNMI)
5:00pm-5:45pm	WDA Business Meeting: WDA 2019 Promo and Officer Reports – St. Augustine EFG	
6:30pm	Cocktail Social – Pre-function Area	
7:15pm	Banquet Dinner – St. Augustine ABC	
8:00pm-9:00pm	Awards Presentations – St. Augustine ABC	
9:00pm-11:00pm	Drinks, DJ'd Music, Photo Booth and Dancing – St. Augustine ABC	

Friday, August 10, 2018	
7:30am-12:00pm	Conference Registration Open
7:30am-8:30am	Morning Refreshments – <i>St. Augustine D</i>
8:30am-12:00pm	Sponsor Display Removal
Concurrent Sessions [8:30am-10:00am] Welfare, Microbes, and Management of Wildlife Diseases [9:00am-12:00pm] Cervidae Health Science Symposium	
Welfare, Microbes, and Management of Wildlife Diseases [8:30am-10:00am]	
Moderator	Lara Cusack
Location	<i>Legends 1</i>
8:30am	Lara Cusack , Florida Fish and Wildlife Conservation Commission Epidemiology of Dermatophytosis in Free Ranging Florida Panthers
8:45am	John A. Bryan II , American Society of Mammalogists Wildlife Research Compliance and Oversight: An Overview
9:00am	Alonso Aguirre , George Mason University Effects of the Illegal Consumption of Sea Turtles on Environmental Security and Human Health in Northwestern Mexico
9:15am	Maureen Murray , Lincoln Park Zoo Gut Microbial Diversity Decreases with Urbanization and Mediates a Zoonotic Pathogen in a Wading Bird
9:30am	Christine Avena , University of Colorado Boulder Changes in the Bat Microbiome During Hibernation and Fungal Infection
9:45am	Grace Kia , Ahmadu Bello University Zaria Rabies and Zoonotic Disease Risk Awareness Among Bush Meat Hunters in Zaria Kaduna State, Nigeria
10:00am-10:20am	Refreshment Break – <i>St. Augustine D</i>
Cervidae Health Science Symposium [9:00am-10:05am]	
Moderator	Samantha Wisely
Location	<i>Legends 2 & 3</i>
9:00am	Samantha Wisely , University of Florida Introduction
9:05am	Juan Campos , University of Florida Mortality Factors in Farmed Florida Deer
9:20am	John Lednicky , University of Florida Virus Discovery I: Virus Isolation from Farmed Deer
9:35am	Tom Waltzek , University of Florida Virus Discovery II: Whole Genome Sequencing of Virus from Farmed Deer
9:50am	Bill Wilson , U.S. Department of Agriculture Epizootic Hemorrhagic Disease Virus Vaccine Update
10:05am-10:20am	Refreshment Break – <i>St. Augustine D</i>

Friday, August 10, 2018		
Concurrent Sessions		
10:20am-12:00pm	Rehabilitation Centers as Sentinels for Wildlife Population Health	Cervidae Health Science Symposium Cont.
Moderator	Heather Barron	Samantha Wisely
Location	Legends 1	Legends 2 & 3
10:20am	Antonia Gardner , South Florida Wildlife Center A Novel Babesia Species in the Virginia Opossum (<i>Didelphis virginiana</i>)	Nathan Burkett-Cadena , Florida Medical Entomology Laboratory Vector Ecology of Culicoides in Florida
10:35am	Robin Bast , Clinic for the Rehabilitation of Wildlife (CROW) Incidence of Cyathostoma Microspiculum in Double-Crested Cormorants (<i>Phalacrocorax auritus</i>) and Treatment Approaches	Emma Weeks , University of Florida Permethrin Resistance in Culicoides and Bioaccumulation in Deer
10:50am	Heather Barron , Clinic for the Rehabilitation of Wildlife (CROW) Parasites of Concern in North American River Otters (<i>Lontra canadensis</i>)	Mark Ruder , University of Georgia Epidemiology of EHDV in Deer Nationwide
11:05am	Peach Van Wick , Wildlife Center of Virginia A Novel Treatment Option for Sarcoptic Mange in American Black Bears (<i>Ursus americanus</i>)	Jason Blackburn , University of Florida Host Ecology in Farmed vs Wild Deer
11:20am	Renata Schneider , South Florida Wildlife Center An Outbreak of Parvovirus in Muscovy Ducks (<i>Carina moschata</i>) at a Wildlife Rehabilitation Center	Samantha Wisely , University of Florida Epidemiology of EHDV in Farmed Deer
11:35am	Heather Barron , Clinic for the Rehabilitation of Wildlife (CROW) Seabirds with Brevetoxicosis: Clinical Findings, Treatment, and Prognostic Indicators	Roundtable Discussion
12:00pm	Conference Concludes	