



# WILDLIFE DISEASE ASSOCIATION

## 67<sup>th</sup> 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	
9:00am-12:00pm	Editorial Board Meeting
10:00am-5:00pm	Pre-Conference Workshops
12:00pm-1:00pm	WDA Leadership Lunch
1:00pm-5:00pm	WDA Council Meeting
3:00pm	Conference & Photo Competition Registration Opens
3:00pm-5:00pm	Sponsor Display Move-In Student Poster Set-Up
5:00pm-7:00pm	Welcome Social

<b>Monday August 6, 2018</b>	
7:30am-8:30am	Morning Refreshments
<b>Opening Plenary Session [8:00am-10:00am]</b> <b>Moderator: Debra Miller</b>	
8:30am	<b>Debra Miller</b> , WDA President, University of Tennessee Conference Opening Welcome Address
8:45am	<b>Carlton Ward</b> , Conservation Photographer, National Geographic Society
9:30am	<b>Jack Payne</b> , Senior Vice President for Agriculture and Natural Resources, University of Florida/IFAS
10:00am-10:30am	Refreshment Break
<b>Opening Plenary Session Continued [10:30am-12:00pm]</b> <b>Moderator: Charles Rupprecht</b>	
10:30am	<b>Rich Chipman</b> , 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	<b>Al Franzman Speaker:</b> <b>Thierry Work</b> , U.S. Geological Survey
12:00pm-1:30pm	Lunch Provided
12:15pm-1:15pm	<b>WDA Business Meeting:</b> Ex Man Report on the State of WDA and Recognitions

Monday, August 6, 2018	
<b>Plenary Session - Outbreak Investigation and Response [1:30pm-3:00pm]</b>	
<b>Moderator: Leslie Woods</b>	
1:30pm	<b>Valerie McKenzie</b> , University of Colorado Global Patterns of Emerging Infectious Diseases Affecting Wildlife
1:45pm	<b>Lynn Miller</b> , 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	<b>Jolene Giacinti</b> , 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	<b>Knut Madslie</b> n, Norwegian Veterinary Institute Chronic Wasting Disease in Norway: An Update on Surveillance, Research and Disease Development
2:30pm	<b>Kristin Bondo</b> , University of Calgary Health of Boreal Caribou in a Period of Unusually High Mortality in Northeastern British Columbia, Canada
2:45pm	<b>Leslie Woods</b> , University of California, Davis Update on Adenovirus Hemorrhagic Disease in Deer in California
3:00pm-3:30pm	Refreshment Break
<b>Plenary Session - Global Wildlife Health Capacities [3:30pm-5:00pm]</b>	
<b>Moderator: Craig Stephen</b>	
3:30pm	<b>Craig Stephen</b> , 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	<b>Ishwari Dhakal</b> , Agriculture and Forestry University, Nepal Assessment of Wildlife Health Capacity in Nepal
4:00pm	<b>M. Camille Hopkins</b> , U.S. Geological Survey Prioritization of Zoonotic Diseases in the United States Using a Multisectoral One Health Approach
4:15pm	<b>Paolo Tizzani</b> , OIE - World Organisation for Animal Health Dynamics of and Factors Affecting the Occurrence of Rabies in Humans and Animals in South America
4:30pm	<b>Mathieu Pruvot</b> , Wildlife Conservation Society Developing Sustainable Wildlife Health Surveillance in Cambodia and Laos
4:45pm	<b>Colin Gillin</b> , 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
7:00pm-9:00pm	WDA Group Picnic

Tuesday, August 7, 2018	
7:30am-8:30am	Morning Refreshments
8:30am-9:00am	<p>Student Research Recognition Award Winner Presentation:  <b>Sarah Sapp</b>, 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</p>
<b>Student Competition Session 1 [9:00am-10:30am]</b>	
9:00am	<b>Laura Adamovicz</b> , University of Illinois Modeling Approaches for Promoting Health in Free-Living Ornate Box Turtles ( <i>Terrapene ornata ornata</i> )
9:15am	<b>Jennifer Bloodgood</b> , University of Georgia Blood Nutritional Markers Reveal Effects of Rehabilitation Diet on Green Sea Turtle Health
9:30am	<b>Davis Carter</b> , University of Tennessee, Knoxville Susceptibility of Species in the Subfamily Spelerpinae to <i>Batrachochytrium salamandrivorans</i>
9:45am	<b>Ellen Haynes</b> , University of Illinois Clinical Trial and Pharmacokinetic Analysis of Terbinafine Nebulization in Wild Snakes with Snake Fungal Disease
10:00am	<b>Rebecca Hardman</b> , University of Tennessee Hellbender Skin Antimicrobial Peptides Show Variable Inhibition Against Chytrid Fungus, <i>Batrachochytrium dendrobatidis</i>
10:15am	<b>Alyssa Wetterau</b> , 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 Refreshment Break
<b>Student Competition Session 2 [11:15am-12:15pm]</b>	
11:15am	<b>Cristina Blanco</b> , Arkansas Tech University Burns, Bats, and Bugs: Spatial And Temporal Effects of Fire on Bats and their Prey Species
11:30am	<b>Kevin Niedringhaus</b> , University of Georgia The Use of Serology as a Tool to Investigate Sarcoptic Mange in American Black Bears ( <i>Ursus americanus</i> )
11:45am	<b>Molly Martony</b> , University of Florida Establishing a Diagnostic Technique for Coelomocentesis in the Long-Spined Sea Urchin ( <i>Diadema antillarum</i> )
12:00pm	<b>Adam Hering</b> , University of Saskatchewan Advances in the Treatment and Management of <i>Psoroptes Ovis</i> in Bighorn Sheep
12:15pm-1:30pm	Lunch Provided <b>WDA Business Meeting:</b> Editor Report on the State of JWD and Travel Awards

Tuesday, August 7, 2018	
<b>Student Competition Session 3 [1:30pm-2:45pm]</b>	
1:30pm	<b>Ellie Milnes</b> , 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	<b>Joseph Hicks</b> , University of Texas, Houston Phylogenetic Inference of Avian Paramyxovirus-1 Global Migration and Inter-Host Transmission
2:00pm	<b>Charlie Bahnon</b> , 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	<b>Brianna Williams</b> , 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	<b>Amanda MacDonald</b> , 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 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>
<b>Student Competition Session 4 [3:30pm-4:45pm]</b>	
3:30pm	<b>Irene Sacristan Yagüe</b> , Andrés Bello National University Understanding the Epidemiology of Hemotropic Mycoplasma in the Wild Felid Guigna in Chile
3:45pm	<b>Sanatana-Eirini Soilemetzidou</b> , 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	<b>Diego Montecino-Latorre</b> , University of California, Davis Examining the Relationship Between the Life History of Chiroptera Species in East Africa and Coronavirus Shedding
4:15pm	<b>Alissa Deming</b> , 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	<b>Tatiana Proboste</b> , 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

Wednesday, August 8, 2018	
7:30am-8:30am	Morning Refreshments
7:30am-8:30am	AAWV Business Meeting
Concurrent Sessions	
8:30am-10:00am	<p><b>Emerging Diseases and Conservation of Herpetofauna:</b>  <b>Part A</b>  Moderator: Amanda Duffus</p> <p><b>Effects of Catastrophic Events on Wildlife</b>  Moderator: Lee Jones</p>
8:30am	<p><b>Matt Allender</b>, University of Illinois  The Changing Epidemiology of Snake Fungal Disease Over the Last 10 Years</p> <p><b>Christine Fiorello</b>, 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</p>
8:45am	<p><b>Karrie Rose</b>, Taronga Conservation Society Australia  Emergent Bacterial Infection Threatening Endangered Christmas Island Reptiles</p> <p><b>Lee Jones</b>, U.S. Fish and Wildlife Service  Mortality of Little Brown Bats (<i>Myotis Lucifugus Carissima</i>) Naturally Exposed To Microcystin-LR</p>
9:00am	<p><b>Cait McDonald</b>, 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)</p> <p><b>Lisa Shender</b>, Florida Fish and Wildlife Conservation Commission  A Probable Sewage-Related Outbreak of Salmonellosis in a Black Skimmer (<i>Rynchops Niger</i>) Colony in Florida</p>
9:15am	<p><b>Markese Bohanon</b>, University of Tennessee  Refinement of Methodologies for Susceptibility Challenges with the Emerging Fungal Pathogen <i>Batrachochytrium Salamandrivorans</i></p> <p><b>Torsten Mörner</b>, National Veterinary Institute  Thiamine Deficiency in the Baltic Sea Environment – An Ecological Catastrophe</p>
9:30am	<p><b>Matthew Gray</b>, University of Tennessee  Susceptibility of North American Newt Species to <i>Batrachochytrium Salamandrivorans</i></p> <p><b>Martine de Wit</b>, Florida Fish and Wildlife Conservation Commission  Investigations into an Unusual Mortality Event of Manatees in the Indian River Lagoon, Florida</p>
9:45am	<p><b>Debra Miller</b>, University of Tennessee  Pathology in <i>Notophthalmus Viridescens</i> Coinfected with <i>Batrachochytrium Dendrobatidis</i> and <i>B. Salamandrivorans</i></p> <p><b>Thierry Work</b>, U.S. Geological Survey  Managing an Invasive Anemone Threatening Coral Reefs at Palmyra Atoll National Wildlife Refuge, Line Islands, Central Pacific</p>
10:00am-10:45am	<p>General Poster Session 1  Refreshment Break</p>

Wednesday, August 8, 2018		
Concurrent Sessions		
10:45am-12:00pm	Emerging Diseases and Conservation of Herpetofauna: Part B Moderator: Amanda Duffus	Technological Advances in Surveillance and Medicine Moderator: Aubrey Tauer
10:45am	<b>Annie Page-Karjian</b> , 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> )	<b>Julie Melotti</b> , Michigan Department of Natural Resources Web Reporting and Citizen Science in Disease Detections
11:00am	<b>Rebecca Cozad</b> , University of Georgia Pathogen Surveillance in Translocated Gopher Tortoises ( <i>Gopherus polyphemus</i> ) in Northwest Florida	<b>Julia Silva Seixas</b> , 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	<b>Justin Perrault</b> , Loggerhead Marinelifelife Center Plastic-Derived Contaminants in Leatherback Sea Turtles: Implications for Health and Hatchling Quality	<b>Stuart Patterson</b> , Royal Veterinary College An Intervention Trial of Two Targeted Vaccination Strategies Against Tuberculosis in Wild Meerkats
11:30am	<b>Stacey Lance</b> , University of Georgia Ranavirus and Amphibians: Is There a Dilution Effect?	<b>Rebecca Frey</b> , USDA APHIS Veterinary Services Evaluation of Gonacontm, a Contraceptive Vaccine, to Stop Transmission of Brucellosis in Bison
11:45am	<b>Terry Norton</b> , Georgia Sea Turtle Center Meshing Rehabilitation, Education, and Research: The Jekyll Island Diamondback Terrapin ( <i>Malaclemys Terrapin</i> ) Model	<b>Anne Ballmann</b> , 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-8:30am	Morning Refreshments																						
<b>Plenary Session [8:30am-10:00am]</b> Moderator: TBD																							
8:30am	<b>Chris Walzer</b> , Wildlife Conservation Society Coral Capture and Anaesthesia of Asiatic Wild Ass ( <i>E. Hemionus</i> ) in Iran and Kazakhstan																						
8:45am	<b>Sarah Funck</b> , Florida Fish and Wildlife Conservation Commission Nonnative Fish and Wildlife in Florida: An Overview																						
9:00am	<b>Jon Paul Rodriguez</b> , IUCN Commission on Ecosystem Management																						
10:00am-10:45am	General Poster Session 2 Refreshment Break																						
<b>Concurrent Sessions</b>																							
10:45am-12:00pm	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%; text-align: center;">Interface of Wildlife, Humans, Livestock and Companion Animals Moderator: Richard Gerhold</th> <th style="width: 50%; text-align: center;">Marine Health Moderator: Kristen Gilardi</th> </tr> </thead> <tbody> <tr> <td>10:45am</td> <td><b>Richard Gerhold</b>, University of Tennessee <i>Histomonas Meleagridis</i> (Blackhead Disease) Transmission from Discarded Commercial Poultry Litter to Wild Turkeys</td> </tr> <tr> <td>11:00am</td> <td><b>Kirsten Gilardi</b>, University of California, Davis Abandoned, Lost and Discarded Fishing Gear Recovery as an Ocean Health Strategy in California</td> </tr> <tr> <td>11:00am</td> <td><b>Cristóbal Briceño</b>, University of Chile Protozoa in the City: Characterizing the Role of Urban Invasive Monk Parakeets as a Public Health Threat in Santiago, Chile</td> </tr> <tr> <td>11:15am</td> <td><b>Ashley Barratclough</b>, University of Florida Pathophysiological Effects of Hypothermia in Aquatic Wildlife</td> </tr> <tr> <td>11:15am</td> <td><b>Shannon Curry</b>, University of Georgia Predicting Shifts in Immunity for the Urban-Adapting White Ibis (<i>Eudocimus Albus</i>) in South Florida</td> </tr> <tr> <td>11:30am</td> <td><b>Katherine Prager</b>, University of California - Los Angeles Fade-Out of an Endemic Pathogen in a Wildlife Host: Did Environmental Stress Cause <i>Leptospira</i> to Disappear from the California Sea Lion (<i>Zalophus Californianus</i>) Population?</td> </tr> <tr> <td>11:30am</td> <td><b>Leticia Gutiérrez Jiménez</b>, EcoHealth Alliance Anthropogenic Disturbance Modulates the Mammal Host Community and Infectious Disease Risk</td> </tr> <tr> <td>11:45am</td> <td><b>Julia Burco Speten</b>, Oregon Department of Fish and Wildlife Surveillance for OtHV1 and Urogenital Carcinoma in Male California Sea Lions (<i>Zalophus Californianus</i>) at Bonneville Dam</td> </tr> <tr> <td>11:45am</td> <td><b>Constanza Napolitano</b>, 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</td> </tr> <tr> <td>12:00pm-1:30pm</td> <td><b>Joseph Gaydos</b>, The SeaDoc Society Visual Assessment and Epidemiology of Skin Disease in Southern Resident Killer Whales</td> </tr> </tbody> </table>	Interface of Wildlife, Humans, Livestock and Companion Animals Moderator: Richard Gerhold	Marine Health Moderator: Kristen Gilardi	10:45am	<b>Richard Gerhold</b> , University of Tennessee <i>Histomonas Meleagridis</i> (Blackhead Disease) Transmission from Discarded Commercial Poultry Litter to Wild Turkeys	11:00am	<b>Kirsten Gilardi</b> , University of California, Davis Abandoned, Lost and Discarded Fishing Gear Recovery as an Ocean Health Strategy in California	11:00am	<b>Cristóbal Briceño</b> , 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	<b>Ashley Barratclough</b> , University of Florida Pathophysiological Effects of Hypothermia in Aquatic Wildlife	11:15am	<b>Shannon Curry</b> , University of Georgia Predicting Shifts in Immunity for the Urban-Adapting White Ibis ( <i>Eudocimus Albus</i> ) in South Florida	11:30am	<b>Katherine Prager</b> , University of California - Los Angeles Fade-Out of an Endemic Pathogen in a Wildlife Host: Did Environmental Stress Cause <i>Leptospira</i> to Disappear from the California Sea Lion ( <i>Zalophus Californianus</i> ) Population?	11:30am	<b>Leticia Gutiérrez Jiménez</b> , EcoHealth Alliance Anthropogenic Disturbance Modulates the Mammal Host Community and Infectious Disease Risk	11:45am	<b>Julia Burco Speten</b> , Oregon Department of Fish and Wildlife Surveillance for OtHV1 and Urogenital Carcinoma in Male California Sea Lions ( <i>Zalophus Californianus</i> ) at Bonneville Dam	11:45am	<b>Constanza Napolitano</b> , 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	<b>Joseph Gaydos</b> , The SeaDoc Society Visual Assessment and Epidemiology of Skin Disease in Southern Resident Killer Whales
Interface of Wildlife, Humans, Livestock and Companion Animals Moderator: Richard Gerhold	Marine Health Moderator: Kristen Gilardi																						
10:45am	<b>Richard Gerhold</b> , University of Tennessee <i>Histomonas Meleagridis</i> (Blackhead Disease) Transmission from Discarded Commercial Poultry Litter to Wild Turkeys																						
11:00am	<b>Kirsten Gilardi</b> , University of California, Davis Abandoned, Lost and Discarded Fishing Gear Recovery as an Ocean Health Strategy in California																						
11:00am	<b>Cristóbal Briceño</b> , 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	<b>Ashley Barratclough</b> , University of Florida Pathophysiological Effects of Hypothermia in Aquatic Wildlife																						
11:15am	<b>Shannon Curry</b> , University of Georgia Predicting Shifts in Immunity for the Urban-Adapting White Ibis ( <i>Eudocimus Albus</i> ) in South Florida																						
11:30am	<b>Katherine Prager</b> , University of California - Los Angeles Fade-Out of an Endemic Pathogen in a Wildlife Host: Did Environmental Stress Cause <i>Leptospira</i> to Disappear from the California Sea Lion ( <i>Zalophus Californianus</i> ) Population?																						
11:30am	<b>Leticia Gutiérrez Jiménez</b> , EcoHealth Alliance Anthropogenic Disturbance Modulates the Mammal Host Community and Infectious Disease Risk																						
11:45am	<b>Julia Burco Speten</b> , Oregon Department of Fish and Wildlife Surveillance for OtHV1 and Urogenital Carcinoma in Male California Sea Lions ( <i>Zalophus Californianus</i> ) at Bonneville Dam																						
11:45am	<b>Constanza Napolitano</b> , 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	<b>Joseph Gaydos</b> , The SeaDoc Society Visual Assessment and Epidemiology of Skin Disease in Southern Resident Killer Whales																						
12:00pm-1:30pm	Lunch Provided																						



Thursday, August 9, 2018		
Concurrent Sessions		
1:30pm-3:00pm	Vector Borne and Zoonotic Diseases: Part A Moderator: Justin Brown	AAWV/AAZV: Veterinary Challenges in Field Conservation: Part A Moderator: Clay Hilton
1:30pm	<b>Brian Amman</b> , Centers for Disease Control and Prevention Experimental Infection of Egyptian Rousette Bats ( <i>Rousettus Aegyptiacus</i> ) with Sosuga Virus	<b>Anne Justice-Allen</b> , Arizona Game and Fish Department Detection of EHDV-6 in Mule Deer in Arizona: Range Expansion of Climate Dependent Vector-Borne Disease
1:45pm	<b>Amy Schuh</b> , Centers for Disease Control and Prevention Comparative Analysis of Serological Cross-Reactivity Using Convalescent Sera from Filovirus-Experimentally Infected, Captive-Born Egyptian Rousette Bats	<b>Margaret Wild</b> , National Park Service Experimental Density Reduction to Decrease Prevalence of Chronic Wasting Disease in Elk
2:00pm	<b>Charles Van Riper</b> , 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	<b>Kimberlee Beckmen</b> , Alaska Department of Fish and Game Adenovirus Hemorrhagic Disease in Moose ( <i>Alces Alces</i> ) and Surveillance in Cervids in Alaska
2:15pm	<b>Shannon French</b> , University of Guelph The Influence of Demographic and Environmental Factors on <i>Baylisascaris Procyonis</i> Infection in Ontario Raccoons	<b>Ismail Hirji</b> , 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	<b>Nathan Burkett-Cadena</b> , Florida Medical Entomology Laboratory Cascading Impacts of the Invasive Burmese Pythons on the Transmission of Everglades Virus	<b>Heather Fenton</b> , Government of the Northwest Territories Frog Virus-3 Outbreak Investigation In Florida Box Turtles
2:45pm	<b>Justin Brown</b> , Pennsylvania Game Commission Defining the Impacts of West Nile Virus on Ruffed Grouse ( <i>Bonasa Umbellus</i> ) in Pennsylvania	<b>Mark Drew</b> , Idaho Department of Fish and Game Elevated Body Temperature Associated with Ketamine Mixtures during Capture of Wolves, Canis Lupus, in Idaho, 1997-2018
3:00pm-3:30pm	Refreshment Break	
3:30pm	General Poster Removal <i>Removal must be completed by 12noon Friday</i>	

Thursday, August 9, 2018		
Concurrent Sessions		
3:30pm-5:00pm	<b>Vector Borne and Zoonotic Diseases: Part B</b> Moderator: Mark Ruder	<b>AAWV/AAZV: Veterinary Challenges in Field Conservation: Part B</b> Moderator: Anne Justice-Allen
3:30pm	<b>Rebecca Poulson</b> , University of Georgia The Maintenance and Migration of Influenza A and Paramyxoviruses with Their Shorebird Hosts	<b>Judy St. Leger</b> , SeaWorld Parks and Entertainment Saving Endangered Killer Whales: A Captive and Free-Ranging Collaboration
3:45pm	<b>Nancy Boedeker</b> , Indiana Department of Natural Resources Identification and Geographic Distribution of Babesia SPP in Mesocarnivores ( <i>Procyonidae</i> and <i>Mustelidae</i> ) in Southeastern Massachusetts	<b>Barry Hartup</b> , International Crane Foundation Impacts to Integument from Leg Band-Mounted Telemetry Devices in Whooping Cranes ( <i>Grus Americana</i> )
4:00pm	<b>Jeremy Orange</b> , University of Florida Interannual Site Fidelity of Wild and Farmed White-Tailed Deer in Florida: Implications for Disease Intervention	<b>Danilo Kluyber</b> , Giant Armadillo Conservation Program Prevalence of Zoonotic Pathogens in Wild Armadillos Important for Public Health
4:15pm	<b>Kristin Sloyer</b> , University of Florida Ecological Niche Modeling of Four Culicoides Species of Veterinary Significance in Florida Using Genetic Algorithm for Ruleset Prediction (GARP)	<b>Ania Tomaszewicz Brown</b> , Wildlife Conservation Society Development of a Rapid Canine Distemper Virus Test Using Portable, Smart-Phone Driven, Molecular Diagnostic Technology
4:30pm	<b>Mark Ruder</b> , 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	<b>Kerry Schutten</b> , 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	<b>Iga Stasiak</b> , Kentucky Department of Fish and Wildlife Resources Epidemiological Investigation of an Outbreak of Epizootic Hemorrhagic Disease in Kentucky	<b>Deidre Fontenot</b> , 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	
6:30pm	Cocktail Social in Pre-function Area	
7:15pm	Banquet Dinner	
8:00pm-9:00pm	Awards Presentations	
9:00pm-11:00pm	Drinks, DJ'd Music, Photo Booth and Dancing	

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

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