

## WDA 2023 PROGRAM May 25th, 2023

\*This schedule is subject to change

<b>Date</b>	<b>Session/Name</b>	<b>Session title</b>	<b>Time</b>
<b>Saturday, July 29, 2023</b>	WDA Office		All Day
<b>Workshops</b>		USFWS Wildlife Health Forum	8:00-5:00 PM
		Wildlife disease investigation workshop	
		Davis-Thompson Foundation Forensic Workshop	8:00-5:00 PM
<b>Sunday, July 30, 2023</b>	Conference Registration		8:00 AM - 5:00 PM
	WDA Office		All Day
	<b>Workshops</b>	USFWS Wildlife Health Forum	8:00-5:00 PM
		Wildlife disease investigation workshop	
		ACZM Ultrashort Course	8:00 AM-5:00 PM
		Sea Turtle Health & Conservation Workshop	8:00 AM-4:00 PM
		Bee Health Workshop	8:00-12:00
		Human Dimensions Workshop <i>Dealing w Homo Sapiens: Applying social sciences to wildlife disease management</i>	8:00-12:00 PM
		Editorial Board Meeting	9:00 AM - 12:00 PM
	<b>Lunch</b>	For WDA Council and Editorial Board only	12:00 PM - 1:00 PM
	<b>Workshops</b>	Science Communication Workshop	1:00-5:00 PM
		WDA Council Meeting	1:00 PM - 5:00 PM
	<b>Welcome Icebreaker</b>		6:00 PM- 8:00 PM
<b>Monday, July 31, 2023</b>	Conference Registration		8:00 AM - 5:00 PM
	Sponsor tables and exhibitors		8:00 AM - 5:00 PM
	WDA Office		All Day
		CANUSA meeting	7:00-8:00

Welcome	Opening remarks, Thanks You	8:15 AM - 8:30 AM
Welcome	Land acknowledgement and welcome from WDA	8:30 AM - 8:35 AM
Welcome	Welcome from UGA Admin	8:35 AM - 8:50
Welcome	Welcome from GA DNR	8:50-9:00
Welcome	Welcome from Conference student hosts	9:00-9:05
<b>Plenary Session</b>	Opportunities for research funding at NSF	9:05-9:20
	introduction of Al Franzmann speaker	9:20-9:25
	Al Franzmann speaker	<b>9:25-10:05 Q&amp;A 5 min</b>

**POSTER SESSION**

<b>Coffee Break &amp; Exhibitors</b>	Coffee break	10:10-10:35
Opening Plenary Session	introduction of Cutting Edge speaker	10:35-10:40
Opening Plenary Session	Carlton M. Herman Founder's Fund, Cutting Edge speaker	<b>10:40-11:20 Q&amp;A 5 min</b>
	Introduction DEI speaker	11:20-11:25
	Diversity Equity and Inclusion in Wildlife Health	<b>11:25-11:55 Q&amp;A 5 min</b>

**Lunch - WDA Business Luncheon #1** **12:00 PM - 1:30 PM**

<b>Plenary Session</b>	Keynote Speaker--Human Dimensions and Wildlife Health	<b>1:30 PM - 2:00 PM</b>
	<b>Human Dimensions and Wildlife Health</b>	<b>2:00 PM - 3:15PM</b>
	<i>The Application of Self-Determination Theory to Enhance Wildlife Disease Risk Communication</i>	2pm
	<i>Understanding Agency Response to and Hunters' Perceptions of RHDV2</i>	2:15pm
	<i>to Chronic wasting disease (CWD) among hunters in Massachusetts, a state where CWD has not been detected</i>	2:30pm
	<i>Let Nature Take its Course - Attitudes and Knowledge of Chronic Wasting Disease within Southeastern Minnesota Amish Communities</i>	2:45pm

*Taking a chance on wild boar health in the ASF epidemic - Germany case study*

3:00pm

POSTER SESSION

Coffee Break & Exhibitors\*

3:15 PM - 3:45PM

Plenary Session

**Urban Wildlife Health**

3:45 PM - 5:00 PM

*Associated with Salmonella spp. Shedding in a Nestling Waterbird*

3:45pm

*Sick Snakes In City Space; Does Urbanization Predict Ophidiomycosis In Kingsnakes (Lampropeltis sp.)?*

4pm

*Investigating the effects of prenatal corticosterone on immunological development in Eastern bluebirds*

4:15pm

*Urbanization and haemosporidian infection dynamics in overwintering sparrow communities*

4:30pm

*Evolution of applied research on raccoon rabies virus management in developed areas of the eastern USA*

4:45pm

Picnic at Bot Gardens

5:30-8:30 PM

Tuesday, August 1, 2023

Conference Registration

7:00 AM - 12:00 PM

Sponsor tables and exhibitors

8:00 AM - 5:00 PM

WDA Office open

All Day

Breakfast

Offsite

Speaker Ready Room

Section and Committee Chairs Business Meeting

7:00 AM - 8:00 AM

WHISPer/NWDD requirements listening session

7:00 AM - 8:00 AM

**Student Research Award Presentation and Introduction of Winner**

7:55 AM-8:00 AM

*Development and Application of an Enzyme Linked Immunosorbent Assay (ELISA) for the Serological Testing of Parelaphostrongylus tenuis in Aberrant Hosts from Minnesota and Tennessee*

Plenary Session

8:00-8:30 AM

**Student Oral Presentations** **8:30 AM -9:45 AM**

*Evaluating two sampling methods for Mycoplasma bovis diagnosis in American bison (Bison bison)* 8:30am

*Reticuloendotheliosis Virus Co-Infections in Wild Turkeys: Clinical Presentation, Pathology, and RNAScope Investigation* 8:45am

*Detection in Naturally and Experimentally Infected Turkeys* 9:00am

*for detection of Spheniscid alphaherpesvirus 1 in penguins* 9:15am

*Databases to Improve Data-Driven Surveillance of US Wildlife Imports* 9:30am

**POSTER SESSION**

**Student and General Poster Session & Coffee Break** **9:45 AM - 10:30 AM**

**Plenary Session** **Student Oral Presentations** **10:30 AM - 12:00 PM**

*The evolution of antimicrobial resistance in Mycobacterium bovis from domestic animal and wildlife hosts in the absence of antimicrobial use* 10:30am

*Piscichuviral encephalitis in marine and freshwater chelonians: first evidence of jingchuviral disease* 10:45am

*Health assessment of snake species in the southeastern United States through pathogen surveillance Ontario* 11am  
11:15am

*Surveillance for Echinococcus multilocularis, an emerging zoonotic parasite in New York wild canids* 11:30am

*factors associated with Leptospira interrogans and Bartonella spp. occurrence in Norway rats from Windsor, Canada* 11:45am

**Lunch - WDA Business Luncheon #2** **12:00 PM - 1:00 PM**

**Plenary Session****Student Oral Presentations****1:00 PM -2:45 PM**

*Epidemiology and risk factors for Sarcocystis neurona and Toxoplasma gondii exposure in California sea lions (Zalophus californianus) from 2010-2019*

1pm

*Lead Exposure, Toxicosis, and Associated Lesions in Bald Eagles in the Eastern United States from 2004-2023*

1:15pm

*Impact of Bactrachochytrium salamandrivorans Exposure on Eastern Newt Reproductive Fitness*

1:30pm

*virus circulation and immunity in an urban duck population prior to and during an ongoing highly pathogenic H5N1 outbreak*

1:45pm

*detection methods in white-tailed deer (Odocoileus virginianus)*

2pm

*Diagnostic Agreement of Emydomyces testavorans Detection Methods*

2:15pm

*Using Mass Spectrometry*

*to Characterize Mycoplasma ovipneumoniae in Wyoming's Bighorn Sheep Herds*

2:30pm

**POSTER SESSION****Student and General Poster Session & Coffee Break****2:45 PM - 3:30 PM****Plenary Session****Student Oral Presentations****3:30 PM - 5:00 PM**

*Detection of Echinococcus spp. in Coyotes in the Midwest United States*

3:30pm

*Tourist-provided resources modify small mammal diet, infection, and behavior in a National Park*

3:45pm

*Investigation of Sample Storage Techniques for Optimized Chelonian Pathogen Detection*

4pm

*Birds*

4:15pm

*Coyotes as sentinels for tick-borne disease in the southeastern United States*

4:30pm

Effect of intramuscular administration of injectable vitamin E and selenium on post-capture movements of sandhill cranes (*Antigone canadensis*) 4:45pm

Student/Mentor Mixer 5:15-6:30 PM

Silent Auction and Dinner Offsite 6:00 PM - ?

<b>Wednesday, August 2, 2023</b>		
Conference Registration		7:00 AM - 12:00 PM
Sponsor tables and exhibitors		8:00 AM - 5:00 PM
WDA Office		All Day
Breakfast		Offsite
Speaker Ready Room		
AAWV Meeting		7:00 AM - 8:30 AM
<b>Concurrent Breakout Sessions</b>	<b>Latin America and the Caribbean (LAC) Wildlife Health</b>	<b>8:00 AM - 10:00 AM</b>
	<i>nursing strategies on the health and fitness of fur seal pups</i>	8am
	<i>A Vaccine to Mitigate Vampire Bat Predation and Rabies Transmission</i>	8:15am
	<i>Human-induced disturbance affects immunity and multi-pathogen infection risk in ecologically divergent bats</i>	8:30am
	<i>Multispecies Outbreak of Highly Pathogenic Avian Influenza in a Well-Monitored Marine Reserve in Peru</i>	8:45am
	<i>Zoonotic and livestock pathogens in South American wildlife: an emerging threat in southern pudu</i>	9am
	<i>Establishing a Baird's tapir (<i>Tapirus bairdii</i>) populations health surveillance program through a collaborative system in Costa Rica</i>	9:15am
	<i>Health evaluation and detection of selected pathogen in stranded South American Sea Lion pups (<i>Otaria bryona</i>), from Cobquecura, Chile</i>	9:30am
	<i>An Integrative Approach to Brown Pigmented Lesions in Mountainous Star Coral (<i>Orbicella faveolata</i>)</i>	9:45am

**Concurrent Breakout Ses Cervid Health****8:00 AM - 10:00 AM**

*Seasonal variation in white-tailed deer (Odocoileus virginianus) habitat selection, encounter locations, and chronic wasting disease transmission potential*

8am

*Investigating CWD vertical transmission in free-ranging white-tailed deer in the Southeastern United States*

8:15am

*Distribution of the misfolded isoform of the prion protein in the brain, spinal cord, and peripheral tissues in extremely early to terminal cases of naturally occurring Chronic Wasting Disease in Rocky Mountain elk (Cervus elaphus nelsoni).*

8:30am

*Understanding the Role of Bobcats (Lynx rufus) in CWD Ecology*

8:45am

*Growth: An Agent-Based Modeling Approach with Empirical Data*

9am

*Oral vaccination of white-tailed deer against bovine tuberculosis using alginate sphere encapsulation of BCG*

9:15am

*Exploring the relationship between ambient temperature and heat stress in wild Minnesota moose*

9:30am

*Temporary Immobilization of White-tailed Deer with Conducted Electrical Weapons*

9:45am

**POSTER SESSION?****Coffee Break****10:00 AM - 10:30 AM****Concurrent Breakout Ses Contributions of wildlife rehabilitation to wildlife health****10:30 AM - 11:30 AM**

*A Retrospective Examination of an Urban Wildlife Center's Contributions to Population Health Studies*

10:30am

*Disease Surveillance Opportunities with Wildlife Rehabilitation during an Outbreak of Highly Pathogenic Avian Influenza Virus — 2022*

10:45am

*Brain worms of the snake bird (Anhinga anhinga) -  
Prevalence, pathology, and molecular characterization  
of Paronchocerca helicina* 11am  
*Wildlife: Toxins & Top Tips for Treatment* 11:15am

**Concurrent Breakout Ses General Wildlife Health 10:30 AM - 11:30 AM**

*Molecular detection of Aetokthonos hydrillicola on  
Hydrilla and other potential niches within Southeastern  
U.S. Vacuolar Myelinopathy reservoirs* 10:30am  
*Update on feline leukomyelopathy (FLM) in Florida  
panthers and bobcats: The presence of aetokthonotoxin  
is associated with FLM cases* 10:45am  
*Monitoring Seroprevalence of Infectious Diseases in the  
Florida Panther* 11am  
*Regional surveillance for Echinococcus species in wild  
canids in the Eastern United States* 11:15am

**Concurrent Breakout Ses Social Media Training Session 10:30 AM - 11:30 AM**

**Boxed Lunch Pick Up 11:30 AM - 1:00 PM**

**Optional Offsite Field Trips BUSES LEAVE AT NOON**

Amicalola Falls BUSES LEAVE AT NOON  
Kayaking the Broad BUSES LEAVE AT NOON  
Athens Beer Trail Bus leaves at 5 pm

Offsite Dinners ON YOUR OWN

Thursday, August 3, 2023		
Conference Registration		7:00 AM - 12:00 PM
Sponsor tables and exhibitors		8:00 AM - 5:00 PM
WDA Office		All Day
Breakfast		
Speaker Ready Room		
WDA WVS Meeting		7:00 AM - 8:00 AM



Daily Announcements	8:00-8:05
Introduction of keynote speaker	8:05-8:10
<b>Plenary Session/Keynote</b> Nadine Lamberski	<b>8:10 AM - 8:55 AM 5 min Q&amp;A</b>
Introduction of keynote speaker	9:00-9:05
<b>Plenary Session/Keynote</b> Dave Stallknecht	<b>9:05 AM - 9:35 AM 5 min Q&amp;A</b>

**POSTER SESSION**

General Poster Session #1 & **Coffee Break** **9:40 AM - 10:15 AM**

**Concurrent Breakout Ses Influenza**

**10:00 AM - 11:45 AM**

<i>Comparative Epidemiologic Review of the 2014/2015 and 2021/2022 Highly Pathogenic Avian Influenza Outbreaks in North America</i>	10:00am
<i>Rapid evolution of A(H5N1) influenza viruses after intercontinental spread to North America</i>	10:15am
<i>A phylogeographic reconstruction of the spatiotemporal emergence and spread of highly pathogenic H5N1 avian influenza in Canada</i>	10:30am
<i>Detection and genomic characterization of highly pathogenic avian influenza viruses in wild birds inhabiting western Alaska, USA</i>	10:45am
<i>in black vultures: Detection, pathology and pathogenesis</i>	11am
<i>Understanding highly pathogenic avian influenza viruses in North American waterfowl against a backdrop of building immunity</i>	11:15am
<i>Highly pathogenic avian influenza in an Alaska Brown (Ursus arctos), black bear (Ursus americanus) and co-infection with rabies in a red fox (Vulpes vulpes)</i>	11:30am

**Concurrent Breakout Ses Aquatic and Invertebrate Health**

**10:15 AM - 11:45 AM**

<i>Unprecedented mass mortality from starvation in manatees on the atlantic coast of Florida A</i>	10:15am
<i>Investigating Success of Stranded Marine Mammal Surveillance by the Public, Trained Response Staff, and Unoccupied Aerial Surveys</i>	10:30am
<i>Highly abundant core taxa in the blow within and across captive bottlenose dolphins provide evidence for a temporally stable airway microbiota</i>	10:45am
<i>Harmful algal bloom-associated biotoxins in live-captured, juvenile green sea turtles (Chelonia mydas) inhabiting Florida's coastal waters: exposure, prevalence, and potential health impacts</i>	11am
<i>Paralytic shellfish poisoning and mortality of Southern right whales (Eubalaena australis) and seabirds in Golfo Nuevo, Península Valdés, Argentina in 2022</i>	11:15am
<i>A One-Health Approach to Assessing Drivers of Unionid Mussel Die-offs in a Biodiversity Hotspot</i>	11:30am

**Wildlife Health and Research in Native and Tribal Lands- Concurrent Breakout Sessions Sponsored by AAWV 10:15 AM - 11:45 AM**

<i>Wildlife Diseases and concerns on Tribal lands in the US</i>	10:15am
<i>Buffalo Necropsy Trainings in Indian Country: Opportunity at an Emerging Human/Wildlife Interface at the Cultural Buffalo Harvest</i>	10:30am
<i>Strengthening capacities of Nunavik communities to detect parasites in ringed seals</i>	10:45am
<i>Chronic Wasting Disease Surveillance on Navajo Nation</i>	11am
<i>Chronic Wasting Disease Outreach with Tribal Communities</i>	11:15am
<i>Niit-pook-sii-pooks Ka-sii-ma limiitaiks (I ran with the dogs) - Conservation Dogs working towards environmental health in Blackfoot Country</i>	11:30am

Lunch

11:45 AM - 1:00 PM

**Concurrent Breakout Sessions Links between human and wildlife health**

1:00 PM - 2:30 PM

*Distribution and prevalence of Trichinella spp. and Toxoplasma gondii in Eurasian wild pigs (Sus scrofa) in the United States*

1pm

*Genomic tools for managing wildlife rabies: high-throughput sequencing and molecular diagnostics reveal host population structure and virus spillover risk*

1:15pm

*Assessment of a Quantitative PCR Assay for the Detection of Antibiotic Resistance Genes from Phenotypically Antibiotic Resistant E. coli Isolates from Gulls*

1:30pm

*Natural infection of hispid cotton rats (Sigmodon hispidus) and cotton mice (Peromyscus gossypinus) with Rickettsia parkeri (Rickettsiales: Rickettsiaceae) at an endemic site for the pathogen*

1:45pm

*Phylogenetic and host relationships of coronaviruses in North American bats from environmental guano*

2pm

*Expansion of virulent Vibrio parahaemolyticus in humans and sea otters*

2:15pm

*Which gardens are preferred by rodents? Relationships between rodent presence and characteristics of private gardens*

2:30pm

**Concurrent Breakout Sessions Wildlife Health Around the World**

1:00 PM - 2:30 PM

*space*

1pm

*Strongylid nematode infections and wasting in endangered mountain gorillas in Uganda*

1:15pm

*European and US tern mass mortalities in the Northern Hemisphere - a pandemic?*

1:30pm

*Kangaroos Affected by Chronic Phalaris Toxicity in Victoria, Australia.*

1:45pm

*Understanding risk of zoonotic virus emergence in EID hotspots of Southeast Asia* 2pm  
*Diversity and Distribution of Coronaviruses in Bats of Northern Viet Nam* 2:15pm  
*A New Perspective on Ecology of Yersinia Species in Wildlife: the Caucasian Experience* 2:30pm

**Concurrent Breakout Ses General Wildlife Health 1:00 PM - 2:30 PM**

*Feral swine as indicators of anthrax contamination and mechanical vectors of infectious spores* 1pm  
*New Geographic Record for Trichinella nativa in Coyotes (Canis latrans) from Insular Newfoundland* 1:15pm  
*dynamics and movement behavior in small Indian mongooses* 1:30pm  
*Experimental infection of snowshoe hares (Lepus americanus) with rabbit hemorrhagic disease virus 2* 1:45pm  
*Emergence of Lobomyces in Australian Dolphins* 2pm  
*Clinical manifestations of neurologic diseases affecting American black bears (Ursus americanus) in California and Nevada* 2:15pm  
*Serological responses to West Nile Virus vaccination in captive California condors (Gymnogyps californianus)* 2:30pm

**POSTER SESSION**

**General Poster Session #2 & Coffee Break 2:30 PM - 3:15 PM**

**Concurrent Breakout Ses Quantitative disease ecology 3:15 PM - 5:00 PM**

*transmission networks of feral pigs' populations in Australia.* 3:30pm  
*Anthrax transmission dynamics: heterogeneity in pathogen survival and host behavior affects secondary infections arising from infectious carcass sites* 3:45pm

<i>A global assessment of the challenges and opportunities in quantifying urbanization for wildlife infectious disease research</i>	4pm
<i>Contact network links and the dissemination of syndromic respiratory disease in wild chimpanzees (<i>Pan troglodytes schweinfurthii</i>)</i>	4:15pm
<i>Exploring the relationship between environmental drivers and the manifestation of fibropapillomatosis in green turtles (<i>Chelonia mydas</i>) in eastern Brazil</i>	4:30pm
<i>The influence of exposure dose on influenza infection kinetics in mallards</i>	4:45pm

**Concurrent Breakout Ses Tour of the western United States 3:15 PM - 5:00 PM**

<i>Investigating Mycoplasma bovis source, seasonality, and reoccurrence of acute, fatal pneumonia in free-ranging pronghorn (<i>Antilocapra americana</i>) in Wyoming, USA</i>	3:30pm
<i>The health of San Miguel Island foxes and a newly described acanthocephalan parasite</i>	3:45pm
<i>Maternal Energy Balance Predicts Offspring Survival in Bighorn Sheep</i>	4pm
<i>Determining the spatial structure of immune phenotypes in desert bighorn sheep</i>	4:15pm
<i>Acute Mannheimia haemolytica pneumonia die-off in Wyoming bighorn sheep herds</i>	4:30pm
<i>species oiled wildlife response in the semi-urban landscape</i>	4:45pm

**Concurrent Breakout Ses SARS-CoV-2 3:15 PM - 5:00 PM**

<i>Status of SARS-CoV-2 in North American Cervids</i>	3:30pm
<i>White-tailed deer may serve as a wildlife reservoir for nearly extinct SARS-CoV-2 variants of concern</i>	3:45pm

*A national-scale distributed surveillance design for SARS-CoV-2 in a potential wildlife reservoir host mammals* 4pm  
 4:15pm

*SARS-CoV-2 Surveillance in Wild Mice (Mus musculus and Peromyscus maniculatus) and Rats (Rattus norvegicus and Rattus rattus) in North American Cities* 4:30pm

*Investigations on the possible role of free ranging wildlife as reservoir of SARS-CoV-2 in Switzerland* 4:45pm

WDA Business Meeting 5:00 PM - 6:00 PM

Cocktail Social 6:30 PM - 7:00 PM

Banquet Dinner & Award: Moment of Silence for Our Colleagues 7:00 PM - 9:15 PM

Dancing 9:15-11:59 PM

Friday, August 4, 2023

WDA Office All Day

**Plenary Session Herpetofauna Health 8:30 AM - 10:00 AM**

*Elucidating the host ranges of reptile-infecting fungi in the former Chrysosporium anamorph of Nannizziopsis vriesii (CANV) group* 8:30am

*The effect of management practices on the presence of Emydomyces testavorans on Northwestern pond turtle (Actinemys marmorata) eggs and hatchlings during captive rearing* 8:45am

*Multi-Pathogen Detection is Associated with Morbidity but Not Survival in Free-Living Eastern Box Turtles (Terrapene carolina carolina) Presented to Wildlife Rehabilitation Centers* 9am

*Amphibians* 9:15am

	<i>From the early stages of infection to the grave: How does Batrachochytrium salamandrivorans transmission probability shift throughout infection?</i>	9:30am
	<i>Infection intensity and survival varies with population and latitude in eastern newts exposed to Batrachochytrium salamandrivorans (Bsal)</i>	9:45am
	<i>Validation of Point-of-Care Molecular Testing for the Detection of Emerging Pathogens in North American Amphibians</i>	10:00am
	<b>Coffee Break &amp; Exhibitors*</b>	<b>10:00 AM - 10:30 AM</b>
<b>Plenary Session</b>	<b>How do we Move Forward in Wildlife Health</b>	
	<i>Can we transition to actionable intelligence that promotes wildlife health?</i>	<b>10:30 AM - 12:00 PM</b>
	<i>Cross-cultural learning and training of wildlife health professionals: the Wildlife Health Bridge</i>	10:45am
	<i>Harnessing the power of data as the foundation for an integrated event alerting system and cooperative wildlife health network</i>	11:00am
	<i>the 2022 International Wildlife Disease Association Conference</i>	11:15am
	<i>Development of a World Organisation for Animal Health (WOAH) Collaborating Centre for Wildlife Health Risk Management in the Indo-Pacific Region.</i>	11:30am
		11:45am
Conference Concludes		<b>12:00 PM</b>