

## 69TH ANNUAL WDA / 14TH BIENNIAL EWDA JOIN VIRTUAL CONFERENCE

## DAY 1 - TUESDAY, AUGUST 31

MORNING SESSION									
EDT	CEST								
03:00-07:00	09:00-13:00	President Welcome		Room 1					
03:20-04:05	09:20-10:05	Plenary (Dr. Olivier Restif)		Room 1	Reservoirs Sans Frontières: can ecology help us predict viral spillover risk from bats?	UK (U. Cambridge)	or226@cam.ac.uk		
04:10-05:00	10:10-11:00	Scientific Sessions Concurrent							
		Session 1		Ecosystem health, global change and diseases	Room 1				
04:10-04:25	10:10-10:25	S1.1	Thijs Kuiken	139	Thinking about transformative changes in wildlife health activities	The Netherlands (Erasmus M C)	t.kuiken@erasmusmc.nl		
04:25-04:40	10:25-10:40	S1.2	Tony Sainsbury	368	Can we reduce the risk to ecosystems from conservation translocations through use of disease risk analysis?	UK (ZSL)	tony.sainsbury@ioz.ac.uk		
04:40-04:55	10:40-10:55	S1.3	Rachael Gray	77	A tale of three pinnipeds - contrasting life histories, population trajectories, conservation status and key threatening processes	Australia (U. Sidney)	rachael.gray@sydney.edu.au		
		Session 2		Emerging and re-emerging wildlife diseases	Room 2				
04:10-04:25	10:10-10:25	S2.1	Stefania Leopardi	271	Ecology of West Caucasian Bat Lyssavirus (WCBV) in a group of Schreibers' bent-winged bats (Miniopterus schreibersii) from Italy and its spillover to a domestic cat	Italy (IZS Venezia)	sleopardi@izsvenezia.it		
04:25-04:40	10:25-10:40	S2.2	Marina Sofia	284	Surveillance of West Nile Virus (WNV) in living wild birds from Peloponnese Region in Southern Greece	Greece (U. Thessaly)	msofia@uth.gr		
04:40-04:55	10:40-10:55	S2.3	Olga Milenkaya	187	A Novel Approach to a Novel Pathogen: Student-Powered Surveillance of Batrachochytrium salamandrivorans	NC (USA; Warren Wilson C.)	omilenkaya@warren-wilson.edu		
05:00-05:30	11:00-11:30	Break / networking / e-posters							
05:30-07:00	11:30-13:00	Scientific Sessions Concurrent							
		Session 3		Ecosystem health, global change and diseases	Room 1				
05:30-05:45	11:30-11:45	S3.1	Ursula Höfle	331	Effects of heat stress on the response of wild captive birds of prey and owls to handling and immunization against West Nile virus	Spain (IREC)	ursula.hofle@uclm.es		
05:45-06:00	11:45-12:00	S3.2	Yingying Yingying	235	Prevalence of hantavirus in bank voles and humans: the effect of wildlife and environmental factors	Finland (U. Jyväskylä)	yingying.xg.wang@jyu.fi		
06:00-06:15	12:00-12:15	S3.3	Mariel Fulham	162	Carriage of antibiotic resistant bacteria in endangered and declining Australian pinniped pups	Australia (U. Sidney)	mful3486@uni.sydney.edu.au		
06:15-06:30	12:15-12:30	S3.4	Alissa C. Deming	377	Exposure to low salinity waters identified as cause of the 2019 Northern Gulf of Mexico Bottlenose Dolphin Unusual Mortality Event	FL (USA) Pacific Marine Mammal Center	ademing@pacificmmc.org		
06:30-06:45	12:30-12:45	S3.5	Jennifer Bloodgood	362	Demographic trends and skin lesion prevalence of stranded bottlenose dolphins following a freshwater event	FL (USA) Dauphin Island Sea Lab	bloodgood.jennifer@gmail.com		
06:45-07:00	12:45-13:00	S3.6	Kayla M. Kauffman	267	Linking zoonotic disease prevalence to human and livestock exposure risk across a gradient of anthropogenic land use in Madagascar	NC (USA) Duke University	kayla.kauffman@duke.edu		
		Session 4		Emerging/Neglected Diseases	Room 2				
05:30-05:45	11:30-11:45	S4.1	Umberto Romani Cremaschi	90	Evidence for unknown Sarcocystis-like infection in stranded striped dolphins ( <i>Stenella coeruleoalba</i> ) from the Ligurian Sea, Italy	Spain (Mundomar)	umberto.romanicremaschi@gmail.com		
05:45-06:00	11:45-12:00	S4.2	Charles E. Rupprecht	85	Rabies, Lyssaviruses and 'Small Mammals': Reservoirs, Vectors, Victims, Phantasms, or ...?	USA (LYSSA LLC)	charleserupprechtii@gmail.com		
06:00-06:15	12:00-12:15	S4.3	Kelsey T. Young	143	Retrospective study on avian paramyxoviruses in wild birds in the United States identifies several putative new species	GA (USA) U. Georgia	ktyoung@uga.edu		
06:15-06:30	12:15-12:30	S4.4	Tiffany Wolf	119	Domestic dogs as bridges for disease between wildlife and indigenous Waiwai in Guyana, South America	MN (USA) U. Minnesota	wolfx305@umn.edu		
06:30-06:45	12:30-12:45	S4.5	Manci Li	160	RT-QuIC detection of CWD prion seeding activity in white-tailed deer muscle tissues	MN (USA) U. Minnesota	li000021@umn.edu		
06:45-07:00	12:45-13:00	S4.6	Craig Stephen	50	The implementation gap in managing emerging disease risks in the wildlife trade.	U. British Columbia (Canada)	craigstephen.pes@gmail.com		

**69TH ANNUAL WDA / 14TH BIENNIAL EWDA JOINT VITUAL CONFERENCE**

**DAY 1 - TUESDAY AUGUST 31ST**

EVENING SESSION							
EDT	CEST						
11:00-15:00	17:00-21:00	President Welcome		Room 1			
11:20-12:05	17:20-18:05	Plenary (A. Alonso Aguirre)		Room 1	Illegal Wildlife Trade Emerging Infectious Diseases: Pervasive Impacts to Species, Ecosystems and Human Health	USA (George Mason U.)	aaguirr3@gmu.edu
12:10-13:00	18:10-19:00	Scientific Sessions Concurrent					
		Session 5	Ecosystem health	Room 1			
12:10-12:25	18:10-18:25	S5.1	Rindra Miarisoa Rakotoarinia	36	Combined effects of land use practices and weather on the abundance and presence of mosquito-borne disease vectors and mosquito diversity in Eastern Ontario	Canada (U. Montreal)	mr.rakotoarinia.randriamialy@umontreal.ca
12:25-12:40	18:25-18:40	S5.2	Emily Jenkins	156	Climate and long term trends in pathogen seroprevalence in polar bears (Ursus maritimus) in the western Canadian Arctic	U. Saskatchewan (Canada)	emily.jenkins@usask.ca
12:40-12:55	18:40-18:55	S5.3	Amandine Gamble	369	Are introduced rodents involved in disease outbreaks threatening subantarctic wildlife?	CA (USA) UC Los Angeles	amandine.gamble@gmail.com
		Session 6	New technological insights	Room 2			
12:10-12:25	18:10-18:25	S6.1	Brian Dugovich	345	Population connectivity protects desert bighorn sheep from infectious pneumonia	OR (USA) Oregon State U.	bdugovich@gmail.com
12:25-12:40	18:25-18:40	S6.2	Forrest M. Gomez	358	New Diagnostic Techniques to Characterize Fetal, Placental, and Maternal Health in Bottlenose Dolphins following the Deepwater Horizon Oil Spill	CA (USA) National Marine Mammal F.	forrest.gomez@nmmf.org
12:40-12:55	18:40-18:55	S6.3	Sarah J Teman	332	Re-evaluating ideal release weight for rehabilitated harbor seal (Phoca vitulina) pups	CA (USA) UC Davis	sjteman@ucdavis.edu
13:00-13:30	19:00-19:30	Break / networking / e-posters					
13:30-15:00	19:30-21:00	Scientific Sessions Concurrent					
		Session 7	Impact of diseases on wildlife conservation	Room 1			
13:30-13:45	19:30-19:45	S7.1	Katie Beckmann	370	Structured decision-making: a tool for disease risk analysis and management planning in the face of uncertainty	UK (U. Edinburgh)	katie.beckmann@ed.ac.uk
13:45-14:00	19:45-20:00	S7.2	Claudia Carraro	298	Investigating the risk from disease in a proposed assisted colonization of an extinct in the wild species, the sihek (Guam kingfisher, Todiramphus cinnamominus)	UK (ZSL)	claudia.carraro@ioz.ac.uk
14:00-14:15	20:00-20:15	S7.3	Julie Teresa Shapiro	276	Setting the Terms for Zoonotic Diseases: Effective Communication For Research, Conservation, and Public Policy	Israel (Ben-Gurion University)	julie.teresa.shapiro@gmail.com
14:15-14:30	20:15-20:30	S7.4	Mark L. Drew	87	Protect People, Protect Bats, Avoid Rabies!	IA (USA) Wildlife Health Services, PLLC	mldcollege@outlook.com
14:30-14:45	20:30-20:45	S7.5	Xavier Fernandez Aguilar	354	What are the effects of pathogens in pregnancy and body condition of tundra caribou?	Canada (U. Calgary)	xfdezaguilar@gmail.com
14:45-15:00	20:45-21:00	S7.6	Ariel E Leon	289	Host exposure history alters pathogen transmission and virulence in a wild songbird	USA (Virginia Tech)	aleon@usgs.gov
		Session 8	Infection transmission - wildlife-livestock-human interface	Room 2			
13:30-13:45	19:30-19:45	S8.1	Susan A Shriner	339	Wildlife surveillance at mink farms in the US following SARS-CoV-2 outbreaks	USA (USDA/APHIS/WS)	Susan.A.Shriner@usda.gov
13:45-14:00	19:45-20:00	S8.2	Angela Fanelli	229	Sensitivity of international notification system of wildlife diseases: a case study using WAHIS data on tularemia	Italy (U. Bari)	p.tizzani@oie.int
14:00-14:15	20:00-20:15	S8.3	Carlos Gonzalez-Crespo	261	Assessing the animal and public health hazard of urban wild boars using an Agent-Based Model approach	Spain (U. Autonomia Barcelona)	carlosgonzalescrespo@gmail.com
14:15-14:30	20:15-20:30	S8.4	Raquel Castillo-Contreras	206	Search and find: zoonoses of urban wild boar in Barcelona, Spain	Spain (U. Autonomia Barcelona)	Jordi.Lopez.Olivera@uab.cat
14:30-14:45	20:30-20:45	S8.5	Aitor Cevidades	253	Evaluating interspecific transmission of ticks, fleas and canine vector-borne pathogens between dogs and foxes in a human-dominated landscape	Spain (Neiker)	aitorcevi@gmail.com
14:45-15:00	20:45-21:00	S8.6	Ellinor Spörndly-Nees	164	Occurrence and significance of psittacosis caused by Chlamydia psittaci in garden birds in Sweden.	Sweden (SVA)	Ellinor.Sporndly@sva.se
15:30-17:30	21:30-23:30	Student-Mentor Mixer		Room 1			

DAY 2 - WEDNESDAY, SEPTEMBER 1							
MORNING SESSION							
EDT	CEST						
03:00-07:00	09:00-13:00						
03:03:35	09:00-09:45	Plenary (Prof. Anita Michel)		Room 1	Wildlife through the lens of One Health: An African perspective	South Africa (U. Pretoria)	anita.michel@up.ac.za
03:50-05:05	09:50-11:05	Student Scientific Sessions Concurrent					
		Student Session 1	Integrated monitoring of wildlife populations and disease	Room 1			
03:50-04:05	09:50-10:05	Ss1.1	Andrea Isabel Sartorius	94	A One Health Approach to the Impact of Trace Metal Contamination from Derelict Lead Mines in Wales	UK (U. Nottingham)	andrea.sartorius@nottingham.ac.uk
04:05-04:20	10:05-10:20	Ss1.2	Elli Rosa Jolma	88	The shedding of paramyxovirus RNA in the urine of straw-coloured fruit bats ( <i>Eidolon helvum</i> )	UK (Royal Vet College)	rjolma@rvc.ac.uk
04:20-04:35	10:20-10:35	Ss1.3	Ming-Shan Tsai	322	Patterns of gammaherpesvirus reactivation in genital tract linked to stressors in European badgers ( <i>Meles meles</i> )	UK (U. Oxford)	cindy150051@gmail.com
04:35-04:50	10:35-10:50	Ss1.4	Stéphanie Borel	61	Fate of lynx orphans in Switzerland: A retrospective study	Switzerland (U. Bern)	stephanie.borel@hotmail.com
04:50-05:05	10:50-11:05	Ss1.5	Carolin Frei	236	Capture and transport of white rhinoceroses ( <i>Ceratotherium simum</i> ) cause shifts in their gut bacterial microbiota composition more towards potential pathogens	Austria (Wien University)	carolinlink@hotmail.com
		Student Session 2	Wildlife disease control, global change and ecosystem health	Room 2			
03:50-04:05	09:50-10:05	Ss2.1	Anna Ciezarek	274	Modelling the effect of climate change on spatiotemporal transmission of parasitic disease in Reindeer	UK (U. Liverpool)	a.ciezarek@liverpool.ac.uk
04:05-04:20	10:05-10:20	Ss2.2	Camille Beaumelle	316	Investigating the transmission of gastro-intestinal nematodes between livestock and roe deer using deep-sequencing analyses	France (U. Savoie Mont Blanc)	camille.beaumelle@univ-smb.fr
04:20-04:35	10:20-10:35	Ss2.3	Patrick Scherrer	131	<i>Toxoplasma gondii</i> infection in the protected Eurasian lynx ( <i>Lynx lynx</i> ) in Switzerland	Switzerland (U. Bern)	patrick.scherrer@vetsuisse.unibe.ch
04:35-04:50	10:35-10:50	Ss2.4	Elisa Ferreras-Colino	118	Evaluating the application of a novel serological assay in wild red deer for a tuberculosis surveillance program in Spain	Spain (IREC)	elisa.ferreras@uclm.es
04:50-05:05	10:50-11:05	Ss2.5	Barbara Moroni	239	Ivermectin plasma concentration in Iberian Ibex ( <i>Capra pyrenaica hispanica</i> ) following oral administration	Italy (U. Torino)	barbara.moroni@unito.it
05:05-05:30	11:05-11:30	Break / networking / e-posters					
05:30-06:00	11:30-12:00	Student Research Recognition Award 2020	Elliot Chiu	Room 1	Feline leukemia virus (FeLV): an emerging threat to wild felids without protection from endogenous feline leukemia virus (enFeLV)	USA	elliott.chiu@colostate.edu
06:00-6:30	12:00-12:30	Student Research Recognition Award 2021	Marie Gilbertson	Room 1	An apathogenic virus predicts transmission dynamics of a pathogen and reveals paradoxes and synergies in pathogen management in the Florida panther ( <i>Puma concolor coryi</i> )	USA	mgilbertson5@wisc.edu
06:35-07:05	12:35-13:05	Student Scientific Sessions Concurrent					
		Student Session 3	Emerging and re-emerging wildlife diseases	Room 1			
06:35-06:50	12:35-12:50	Ss3.1	Kelsi Fry	142	Epidemiology and molecular characterization of canine bufavirus and cachavirus in grey wolves ( <i>Canis lupus</i> ) of the Northwest Territories	Canada (U. Newfoundland)	kfry@mun.ca
06:50-07:05	12:50-13:05	Ss3.2	Hannah S. Tiffin	336	Evaluating black bear ( <i>Ursus americanus</i> ) survival and recovery from sarcoptic mange	USA (Penn. State U.)	hsg14@psu.edu
		Student Session 4	Host-pathogen interactions in wildlife	Room 2			
06:35-06:50	12:35-12:50	Ss4.1	Joana Coelho	67	Semi-quantitative serology unveils the epidemiology of Myxoma and Rabbit Haemorrhagic Disease viruses in the European rabbit	Portugal (U. Lisbon)	jucacoelho@live.com.pt
06:50-07:05	12:50-13:05	Ss4.2	Irene Agulló-Ros	384	Pathological changes and viral antigen distribution in tissues of Iberian hare ( <i>Lepus granatensis</i> ) infected with myxoma virus	Spain (U. Cordoba)	agullorosirene@gmail.com
09:00-11:00	15:00-17:00	WDA Business Meeting		Room 1			

DAY 2 - SEPTEMBER 1							
EVENING SESSION							
EDT	CEST						
11:00-15:05	17:00-21:05						
11:00-11:45	17:00-17:45	Plenary (Prof. Meggan Craft)		Room 1	Understanding pathogen transmission in a solitary, secretive carnivore ( <i>Puma concolor</i> )	USA (U. Minnesota)	craft004@umn.edu
11:50-13:05	17:50-19:05	Student Scientific Sessions Concurrent					
		Student Session 5	Integrated monitoring of wildlife populations & disease & Molecular Epidemiology	Room 1			
11:50-12:05	17:50-18:05	Ss5.1	Evan J. Kipp	268	Metagenomic detection of tick-borne pathogens using nanopore adaptive sequencing	USA (U. Minnesota)	kipp0046@umn.edu
12:05-12:20	18:05-18:20	Ss5.2	Tyler J. Garwood	277	Using metabarcoding to study effective contact for brainworm transmission between moose and gastropods	USA (U. Minnesota)	garwo010@umn.edu
12:20-12:35	18:20-18:35	Ss5.3	Adrián Hernández Ortiz	182	Coccidian parasites in harvested Beluga whale ( <i>Delphinapterus leucas</i> ) and Caribou ( <i>Rangifer tarandus</i> ) in the Canadian North	Canada (U. Saskatchewan)	adh651@mail.usask.ca
12:35-12:50	18:35-18:50	Ss5.4	Megan E. Moriarty	215	Population Impacts of Domoic Acid Exposure in Southern Sea Otters: An Increasing Threat in a Changing Climate	USA (UC Davis)	memoriarty@ucdavis.edu
12:50-13:05	18:50-19:05	Ss5.5	Eberle Elizabeth Yarborough	48	Exploring the use of the erythrocyte sedimentation rate as an inflammatory marker for free ranging wildlife - a case study in African buffalo ( <i>Syncerus caffer</i> )	USA (Oregon State U.)	yarboroe@oregonstate.edu
		Student Session 6	Wildlife disease dynamics	Room 2			
11:50-12:05	17:50-18:05	Ss6.1	Nadine A. Vogt	181	Using whole-genome sequencing and a One Health approach to understand the epidemiology of Salmonella and associated antimicrobial resistance at the human, wildlife, environmental, and livestock interface in southern Ontario	Canada (U. Guelph)	nvogt@uoguelph.ca
12:05-12:20	18:05-18:20	Ss6.2	Amanda Vicente-Santos	145	Differential response to anthropogenic disturbance by cave-dwelling bats: an eco-immunological approach	USA (Emory U.)	amanda.vicente@emory.edu
12:20-12:35	18:20-18:35	Ss6.3	Michelle Waligora	209	Evaluating associations between environmental parameters and Ophidiomyces ophidiicola, the causative agent of ophidiomycosis (snake fungal disease)	USA (U. Illinois)	mw35@illinois.edu
12:35-12:50	18:35-18:50	Ss6.4	Andreas Eleftheriou	193	Opposing mechanisms lead to non-monotonic patterns between competitors and disease: A theoretical investigation with a directly-transmitted zoonosis	USA (U. Montana)	andreas.eleftheriou@umontana.edu
12:50-13:05	18:50-19:05	Ss6.5	Raquel Francisco	93	Experimental susceptibility of North American raccoons ( <i>Procyon lotor</i> ) and striped skunks ( <i>Mephitis mephitis</i> ) to SARS-CoV-2	USA (U. Georgia)	raquel.francisco@uga.edu
13:05-13:30	19:05-19:30	Break / networking / e-posters					
13:30-14:00	19:30-20:00	WDA-IAAAM - Molly Martony	Tiggy Grillo or IAAAM Chair	Room 1	Esophageal measurement of core body temperature in the Florida manatee ( <i>Trichechus manatus latirostris</i> )	USA	mmartony@mysticaquarium.org
14:05-14:50	20:05-20:50	Student Scientific Sessions Concurrent					
		Student Session 7	Wildlife Disease Dynamics	Room 1			
14:05-14:20	20:05-20:20	Ss7.1	Ellen Haynes	202	Epidemiology of ophidiomycosis in Lake Erie watersnakes ( <i>Nerodia sipedon insularum</i> )	USA (U. Illinois)	ekh27@cornell.edu
14:20-14:35	20:20-20:35	Ss7.2	Aidan M O'Reilly	203	Causes of Bald Eagle Morbidity and Mortality in the Eastern United States from 1989 to 2021	USA (U. Georgia)	amos58466@uga.edu
14:35-14:50	20:35-20:50	Ss7.3	Jonathan Wilson	344	Temporal and spatial patterns in Canine Distemper Virus cases in wildlife diagnosed at the Southeastern Cooperative Wildlife Disease Study (SCWDS), 1975-2019	USA (U. Georgia)	jjw22202@uga.edu
		Student Session 8	Emerging and re-emerging wildlife diseases	Room 2			
14:05-14:20	20:05-20:20	Ss8.1	Chloe Chan Goodwin	133	Domestic Turkeys as an Experimental Model for Lymphoproliferative Disease Virus in Wild Turkeys	USA (U. Georgia)	chloecgoodwin@gmail.com
14:20-14:35	20:20-20:35	Ss8.2	Melanie R. Kunke	152	Susceptibility of wild turkeys ( <i>Meleagris gallopavo</i> ) to experimental West Nile virus infection	USA (U. Georgia)	melanie.kunkel@uga.edu
14:35-14:50	20:35-20:50	Ss8.3	Rowan E. Back	204	What is Blackhead Disease in Free-Ranging Wild Turkeys ( <i>Meleagris gallopavo</i> )?: Comparison of <i>Tetra-trichomonas gallinarum</i> , <i>Simplicimonas</i> sp., and <i>Trichomonas</i> sp. Infections with <i>Histomonas meleagridis</i>	USA (U. Tennessee)	rowane.back@gmail.com

DAY 3 - Thursday, September 2nd							
MORNING SESSION							
EDT	CEST						
03.00-04.15	09.00-10.15	<b>Scientific Sessions Concurrent</b>					
		<b>Session 9</b>	<b>Host-pathogen interactions</b>	<b>Room 1</b>			
03.00-03.15	09.00-09.15	S9.1	<b>Cristina Garrido-Amaro</b>	319	A century of co-infection research. a review	Spain (U. Autonoma Barcelona)	Jordi.Lopez.Olvera@uab.cat
03.15-03.30	09.15-09.30	S9.2	<b>Alfonso Peralbo-Moreno</b>	337	Spatial modelling of Hyalomma lusitanicum ticks shape Crimean-Congo haemorrhagic fever virus exposure in Doñana National Park, Spain	Spain (IREC)	Alfonso.Peralbo@uclm.es
03.30-03.45	09.30-09.45	S9.3	<b>Elisa Perez-Ramirez</b>	255	Previous Usutu virus infection induces clinical protection against West Nile virus infection in grey partridges (Perdix perdix)	Spain (CISA-INIA, CSIC)	elisaperezramirez@gmail.com
03.45-04.00	09.45-10.00	S9.4	<b>Ilze Brila</b>	186	Gut microbiota diversity and composition is associated with infection and coinfection status and individual pathogens in wild bank voles (Myodes glareolus)	Finland (U. Oulu)	Ilze.Brila@oulu.fi
04.00-04.15	10.00-10.15	S9.5	<b>Francois Mougeot</b>	74	The roles of mammalian predators in the epidemiology of Francisella tularensis in north west Spain	Spain (IREC)	francois.mougeot@uclm.es
		<b>Session 10</b>	<b>Integrated monitoring</b>	<b>Room 2</b>			
03.00-03.15	09.00-09.15	S10.1	<b>Anja Globig</b>	170	Mallards on the leash. Why don't they bark for HPAIV intruders?	Germany (Friedrich-Loeffler I.)	Anja.Globig@fli.de
03.15-03.30	09.15-09.30	S10.2	<b>Philippe Gourlay</b>	353	Descriptive epidemiology and genetic characterisation of Trichomonas gallinae infections in ornithophilous birds of prey from North-Western France (2012-2015)	France (Oniris)	philippe.gourlay@oniris-nantes.fr
03.30-03.45	09.30-09.45	S10.3	<b>David Lastra González</b>	64	Implementing Environmental DNA Detection Method In The Surveillance Of Amphibian Pathogen Batrachochytrium Salamandrivorans	Czech Rep (Czech U. of Life Sciences)	davidlg3d@hotmail.com
03.45-04.00	09.45-10.00	S10.4	<b>Tiziana Trogu</b>	272	Investigation about mortality in a hedgehog's population in Northern Italy	Italy (IZSLER)	tiziana.trogu@gmail.com
04.00-04.15	10.00-10.15	S10.5	<b>Ezio Ferroglio</b>	309	ENETWILD project. towards harmonising mammal integrated monitoring in Europe	Italy (U. Torino)	ezio.ferroglio@unito.it
04.15-04.45	10.15-10.45	<b>Break / networking / e-posters</b>					
04.45-05.00	10.45-11.30	<b>Plenary (Andrew P. Dobson)</b>		<b>Room 1</b>	<b>The Ecology, Economics and Evolution of Emerging Pathogens</b>	<b>USA (U. Princeton)</b>	<b>dobber@princeton.edu</b>
05.30-07.00	11.30-13.00	<b>Scientific Sessions Concurrent</b>					
		<b>Session 11</b>	<b>Infection transmission</b>	<b>Room 1</b>			
05.30-05.45	11.30-11.45	S11.1	<b>Céline Richomme</b>	183	Investigation on the role of red fox in TB maintenance community – second opus. experimental infection with a virulent field Mycobacterium bovis strain	France (ANSES)	celine.richomme@anses.fr
05.45-06.00	11.45-12.00	S11.2	<b>Lucía Varela-Castro</b>	103	Interaction patterns between wildlife and cattle assessed by camera traps reveal chances for mycobacteria transmission in Atlantic habitats	Spain (NEIKER)	lvarela@neiker.eus
06.00-06.15	12.00-12.15	S11.3	<b>Cesar Herraiz</b>	275	Spatial epidemiology of animal tuberculosis at the wildlife-livestock interface at national scale	Spain (IREC)	c.herraizfer@gmail.com
06.15-06.30	12.15-12.30	S11.4	<b>Cristina Blanco</b>	127	Spatial and temporal distribution of Mycobacterium tuberculosis complex infection in Eurasian badger (Meles meles) and cattle in Asturias, Spain	Spain (SERIDA)	cristina.blancovazquez@serida.org
6.30-06.45	12.30-12.45	S11.5	<b>Ion I. Zendoia</b>	234	Stable prevalence of Coxiella burnetii in wildlife after a decade of surveillance in the Basque Country (northern Spain)	Spain (NEIKER)	izendoia@neiker.eus
06.45-07.00	12.45-13.00	S11.6	<b>Elisabeth Schmidt</b>	222	Small mammals are reservoirs for multiple zoonotic pathogens	Germany (U. Leipzig)	elisabeth.schmidt@vmf.uni-leipzig.de
		<b>Session 12</b>	<b>Integrated monitoring</b>	<b>Room 2</b>			
05.30-05.45	11.30-11.45	S12.1	<b>Graham Smith</b>	318	MAMMALNET project. citizen and open science at the service of mammal population monitoring in Europe	UK (APHA)	graham.smith@apha.gsi.gov.uk
05.45-06.00	11.45-12.00	S12.2	<b>Stephanie A Shea</b>	320	Retroviral Infection Affects Reproduction and Survival of Female Wild Turkeys	ME (USA) U. Maine	stephanie.shea@maine.edu
06.00-06.15	12.00-12.15	S12.3	<b>Jessica R Deere</b>	314	Health of wild fish exposed to contaminants of emerging concern in freshwater ecosystems utilized by a Minnesota Tribal community	MN (USA) U. Minnesota	deere007@umn.edu
06.15-06.30	12.15-12.30	S12.4	<b>Susan Kutz</b>	375	Operationalizing Two-Eyed Seeing Around Wildlife Health in the Arctic	Canada (U. Calgary)	skutz@ucalgary.ca
6.30-06.45	12.30-12.45	S12.5	<b>Cynthia R. Smith</b>	361	Pulmonary Health in Barataria Bay Dolphins in the 8 Years After the Deepwater Horizon Oil Spill	CA (USA) National Marine Mammal F.	cynthia.smith@nmmf.org
06.45-07.00	12.45-13.00	S12.6	<b>Barbara K. Linnehan</b>	365	Cardiac assessments of bottlenose dolphins (Tursiops truncatus) in the Northern Gulf of Mexico following exposure to Deepwater Horizon Oil	CA (USA) National Marine Mammal F.	barb.linnehan@nmmf.org
09.00-10.30	15.00-16.30	<b>Awards Ceremony</b>		<b>Room 1</b>			

DAY 3 - Thursday September 2							
EVENING SESSION							
EDT	CEST						
11.00-15.05	17.00-21.05						
11.00-11.45	17.00-17.45	Al Franzmann AAWV Speaker - Dr. Daniel J. O'Brien		Room 1	The Mother of Invention: New Tools for an Old Foe	MI (USA) East Lansing	obriend@michigan.gov
11.50-13.05	17.50-19.05	Scientific Sessions (Concurrent)					
		Session 13	Wildlife disease control	Room 1			
11.50-12.05	17.50-18.05	S13.1	Javier Fernández-de-Simón	256	Robust interaction between predator pressure and disease prevalence during the peak phase of a rodent species with cyclic demography. a large-scale replicated experiment	Spain (IREC)	jafdsr@yahoo.es
12.05-12.20	18.05-18.20	S13.2	Robin Russell	60	Modeling host-pathogen transmission dynamics to support scientific decision making	USA (USGS)	rerussell@usgs.gov
12.20-12.35	18.20-18.35	S13.3	Jessica N. Sanchez	201	Modeling epidemic prevention and detection strategies for introduced pathogens in the Channel Island fox ( <i>Urocyon littoralis</i> )	CA (USA) UC Davis	jnsanchez@ucdavis.edu
12.35-12.50	18.35-18.50	S13.4	Irene Bueno	111	Optimizing risk management strategies for the control of <i>Philornis downsi</i> - a threat to birds in the Galápagos Islands	MN (USA) U. Minnesota	bueno004@umn.edu
12.50-13.05	18.50-19.05	S13.5	Mary M. Conner	150	Harvest Management & Chronic Wasting Disease Prevalence Trends in Western Mule Deer Herds	CO (USA) Colorado Parks & Wildlife	mike.miller@state.co.us
		Session 14	Host-pathogen interactions	Room 2			
11.50-12.05	17.50-18.05	S14.1	Yen-Hua Huang	144	Bi-seasonal dynamics of a multi-host pathogen. the role of environment in the dynamics of anthrax	USA (U. Wisconsin-Madison)	yhuang0324@gmail.com
12.05-12.20	18.05-18.20	S14.2	O. Alejandro Aleuy	376	Environmental factors determine the seasonal seropositivity of <i>Erysipelothrix rhusiopathiae</i> , an emerging pathogen in caribou	Canada (U. Calgary)	oaleuy@ucalgary.ca
12.20-12.35	18.20-18.35	S14.3	Francesco C. Origi	299	Unravelling the pathogenesis of Herpesvirus-Associated Proliferative Skin Disease in Frogs and Toads	Switzerland (U. Bern)	francesco.origi@vetsuisse.unibe.ch
12.35-12.50	18.35-18.50	S14.4	Rachel M. Ruden	325	Using Multivariate Analyses to Explore Evolutionary Patterns in Disease Pathology	IA (USA) Iowa State U	ruden@iastate.edu
12.50-13.05	18.50-19.05	S14.5	Sandra R. Black	211	An Outbreak of Plasmodium Related Disease and Mortality in a Conservation Breeding Population of Greater Sage Grouse ( <i>Centrocercus urophasianus</i> )	Canada (Calgary Zoo Animal Health Centre)	sandieb@calgaryzoo.com
13.05-13.30	19.05-19.30	Break / networking / e-posters					
13.30-15.00	19.30-21.00	Scientific Sessions (Concurrent)					
		Session 15	Molecular epidemiology	Room 1			
13.30-13.45	19.30-19.45	S15.1	Sascha Knauf	185	Syphilis seropositivity and <i>Treponema paraluisleporidarum</i> Strain Diversity in European Brown Hares	Germany (FLI)	sascha.knauf@fli.de
13.45-14.00	19.45-20.00	S15.2	Joana Abrantes	265	Impact of the genomic architecture of <i>Lagovirus europaeus</i> /GI.2 recombinants in the clinical course of rabbit hemorrhagic disease	Portugal (CIBIO)	jabrantes@cibio.up.pt
14.00-14.15	20.00-20.15	S15.3	Ana M. Lopes	269	Decreased immunity of wild rabbits against rabbit hemorrhagic disease virus in Azores (2015-2019)	Portugal (CIBIO)	analopes@cibio.up.pt
14.15-14.30	20.15-20.30	S15.4	Pamela C. Köster	290	Frequency and molecular diversity of protist enteroparasites in Western chimpanzees ( <i>Pan troglodytes verus</i> ) from Ivory Coast, Senegal, and Sierra Leone	Spain (I. Salud Carlos III)	dgonzalezbarrio@gmail.com
14.30-14.45	20.30-20.45	S15.5	Iris Azami- Conesa	191	American mink ( <i>Neovison vison</i> ) as potential reservoir of <i>Leishmania infantum</i>	Spain (U. Complutense Madrid)	irisazami@ucm.es
14.45-15.00	20.45-21.00	S15.6	Kayla Buk Garrett	310	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	GA (USA) U. Georgia	kaylab92@uga.edu
		Session 16	Mixed Session	Room 2			
13.30-13.45	19.30-19.45	S16.1	Valentina Caliendo	224	Highly pathogenic avian influenza in the Netherlands, 2020/2021. H5N8 virus expands its host range to barnacle geese	The Netherlands (Erasmus MC)	v.caliendo@erasmusmc.nl
13.45-14.00	19.45-20.00	S16.2	Alberto Sánchez-Cano	329	Unravelling the interface. farm connectivity provided by spotless starling ( <i>Sturnus unicolor</i> ) movements	Spain (IREC)	Alberto.SanchezCano@uclm.es
14.00-14.15	20.00-20.15	S16.3	Alicia Manzanares Pedrosa	287	Yellow-legged gulls ( <i>Larus michahellis</i> ) and Audouin's gulls ( <i>Larus audouinii</i> ) from Barcelona as a source of <i>Campylobacter</i> of public health relevance.	Spain (IRTA)	alicia.manzanares@irta.cat
14.15-14.30	20.15-20.30	S16.4	Annette Roug	54	Physiological effects of azaperone and midazolam on netgun-captured mule deer	So Africa Centre for Veterinary Wildlife Studies	aroug@ucdavis.edu
14.30-14.45	20.30-20.45	S16.5	Annie Page-Karjian	123	Fibropapillomatosis and chelonid alphaherpesvirus 5 infection in Kemp's ridley sea turtles ( <i>Lepidochelys kempii</i> )	FL (USA) Florida Atlantic U.	cpagekarjian@fau.edu
14.45-15.00	20.45-21.00	S16.6	Gideon Mordecai	47	Aquaculture mediates global transmission of a viral pathogen to wild salmon	Canada (U. British Columbia)	gidmord@gmail.com
15.00-15.15	21.00-21.15	Closure		Room 1			



# Military Time Chart

12 Hour am-pm Clock	24 Hour Military Time
12:00 am Midnight	0000
1:00 AM	0100
2:00 AM	0200
3:00 AM	0300
4:00 AM	0400
5:00 AM	0500
6:00 AM	0600
7:00 AM	0700
8:00 AM	0800
9:00 AM	0900
10:00 AM	1000
11:00 AM	1100
12:00 PM	1200
1:00 PM	1300
2:00 PM	1400
3:00 PM	1500
4:00 PM	1600
5:00 PM	1700
6:00 PM	1800
7:00 PM	1900
8:00 PM	2000
9:00 PM	2100
10:00 PM	2200
11:00 PM	2300
12:00 Midnight	2400

