



WRC2019

Wildlife Research and Conservation
30th Sept - 2nd Oct 2019
BERLIN, GERMANY

Programme



Leibniz Institute for Zoo
and Wildlife Research
AN DER UNIVERSITÄT BERLIN
IN THE FORSCHUNGSVERBUND BERLIN E.V.



We owe sincere thanks to the supporters of the conference:



WELCOME

On behalf of the Leibniz Institute for Zoo and Wildlife Research (IZW), the European Association of Zoos and Aquaria (EAZA) and WWF Germany, we heartily welcome you to Wildlife Research and Conservation 2019 (WRC2019)!

We are confident that you will enjoy a highly stimulating exchange of ideas among experts in a wide range of scientific disciplines from more than 40 countries at WRC2019!

For non-scientific entertainment, Berlin offers a vibrant cultural life, including famous historical sites, sites of contemporary architecture, museums, art galleries, two zoos and many unique bars and clubs.

We aim to make WRC2019 carbon neutral and ecologically friendly. 100% of the **carbon neutral fee** will be invested in certified reforestation and habitat protection projects. The scientific programme booklet was printed on recycled paper.

We will do our best to make your stay productive and pleasurable! Please do not hesitate to contact us whenever you need any help and / or advice.

Sarah Benhaiem, Anne Berger, Oliver Höner, Conny Landgraf, Stefanie Lenz, Josepha Prügel, Viktoriia Radchuk, Steven Seet & Heribert Hofer



SCIENTIFIC PROGRAMME

MONDAY, 30 TH SEPTEMBER		
07:00 – 13:00 14:00 – 17:30		REGISTRATION & SUBMISSION OF POWERPOINT PRESENTATIONS (Conference office, Botanical Museum) MOUNTING OF POSTERS (New Glasshouse)
08:45		Opening session (Main lecture hall, Botanical Museum)
BEHAVIOUR, LIFE HISTORY AND PHENOTYPIC PLASTICITY Chair: Barbara Taborsky, Sarah Benhaïem Venue: Main lecture hall, Botanical Museum		
09:00	Barbara Taborsky	Plenary talk: The significance of developmental plasticity in dangerous environments
10:00	Claudia Bieber	Taking the risk? Effects of aging on timing of hibernation and reproductive investment
10:15	Roshmi Rekha Sarma	Impact of early-life stressors on performance and behaviour of cane toad tadpoles
10:30 – 11:15		COFFEE BREAK (New Glasshouse)
11:15	Beate Apfelbeck	Maternal investment strategies of a cooperatively breeding forest specialist in degraded cloud forest fragments.
11:30	Claudia Fichtel	Does it pay to be smart? Cognition and fitness in wild grey mouse lemurs, <i>Microcebus murinus</i>
11:45	Eva Millesi	Effects of external energy reserves on overwintering strategies in Common hamsters
12:00	Thomas Bodey	Individual variation in invasive predator behaviour: consequences for conservation management
12:15 – 13:45		LUNCH BREAK (New Glasshouse)
SOCIAL BEHAVIOUR AND MATING SYSTEMS Chair: Michael Cant, Oliver Höner Venue: Main lecture hall, Botanical Museum		
13:45	Michael Cant	Plenary talk: Kinship dynamics and the evolution of family life histories
14:45	Federica Dal Pesco	Fitness benefits of male-male sociality in wild guinea baboons (<i>Papio papio</i>)
15:00	Marie Manguette	Reproductive costs and secondary dispersal in female western lowland gorillas
15:15	Peter Kappeler	Local variation in adult sex ratios structures dispersal decisions in a primate
15:30	Danai Papageorgiou	Collective movement and multi-level social structure of a vulturine guineafowl society
15:45	Jessica Ward	Modelling sociality in carnivores
16:00	Winnie Eckardt	Social interactions hinder the growth of a high-density mountain gorilla subpopulation
16:15 – 17:00		COFFEE BREAK (New Glasshouse)

Parallel Session I:		
HANDS-ON WORKSHOP: INTRODUCTION TO THE CTMM WEB R PACKAGE FOR MOVEMENT ANALYSIS		
Workshop organiser: Justin Calabrese		
Venue: Rouseausaal, New Glasshouse		
17:00 – 18:30	Justin Calabrese	Hands-on workshop: Introduction to the ctm web R package for movement analysis
Parallel Session II:		
IMPORTANCE OF SOCIAL BEHAVIOUR AND APPLICATION OF SOCIAL NETWORKS ACROSS WILDLIFE BIOLOGY AND CONSERVATION		
Session organiser: Damien Farine		
Venue: Main lecture hall, Botanical Museum		
17:00	Damien Farine	What have we learnt from studying social structure in animal societies?
17:10	Pratha Sah	Disease implications of animal social systems and network structure
17:30	Palmyrie Boucherie	Effect of early-life social experience on the development of individual social behaviour in ravens (<i>Corvus corax</i>)
17:50	Adriana Maldonado-Chaparro	Using social networks to identify the effects of environmental disturbances
18:10	Lysanne Snijders	Animal social network theory & wildlife conservation
18:30 – 21:00	POSTER AND PASTA PARTY (New Glasshouse, Botanic Garden, access via Königin-Luise-Str. 6-8, 14195 Berlin)	

TUESDAY, 1 ST OCTOBER		
08:15 – 13:30 14:30 – 17:00	REGISTRATION & SUBMISSION OF POWERPOINT PRESENTATIONS (Conference office, Botanical Museum)	
DEFAUNATION: SPECIES FUNCTIONAL EXTINCTIONS AND THEIR SOCIO-ECOLOGICAL CONSEQUENCES		
Chair: Stefan Ziegler, Andreas Wilting		
Venue: Main lecture hall, Botanical Museum		
09:00	John Fa	Plenary talk: Defaunation: species functional extinctions and their socio-ecological consequences
10:00	Andrew Tilker	Getting the big picture: landscape-scale surveys to assess defaunation and target conservation efforts in Southeast Asia
10:15	María de Gracia Grande-Vega	Linkages between national economy and hunting offtake of the blue duiker on Bioko Island, Equatorial Guinea
10:30 – 11:15	COFFEE BREAK (New Glasshouse)	
11:15	Jacob Willie	Habitat selection in small-sized mammals along a defaunation gradient
11:30	Thomas Breuer	Impact of anthropogenic threat on forest elephants, people and the ecosystem
11:45	Torsten Krause	Defaunation and the role of traditional ecological knowledge for the conservation of tropical forest fauna
12:00	Mark Schwartz	Assessing risk in conservation translocation of species
HUMAN-WILDLIFE INTERACTIONS: COMING FROM BOTH SIDES – I		
Chair: Tanja Straka, Lysanne Snijders		
Venue: Main lecture hall, Botanical Museum		
12:15	Maarten Jacobs	The hard problem of conservation: Doing good is not good enough
12:30	Dror Ben-Ami	A compassionate conservation perspective on the conflict between protecting ecosystems and species rather than individuals, and possible solutions

12:45 – 14:15	LUNCH BREAK (New Glasshouse)	
Parallel Session III:		
SMART TAGS FOR SMART ANIMALS; BUT ARE WE BEING SMART ABOUT WHAT WE ARE DOING WITH THEM?		
Session organisers: Francesca Cagnacci, Anne Berger		
Venue: Rousseausaal, New Glasshouse		
14:15	Emiel van Loon	Modest means will take us a long way
14:45	Gaëlle Fehlmann	How to plan a bio-logging study with high ethical standards?
15:00	Johannes Fritz	The position matters: Handicaps of bio-tagging in wild living Northern Bald Ibises <i>Geronticus eremita</i>
15:15	Verena Puehringer-Sturmayer	Effects of bio-loggers on behaviour and corticosterone metabolites of Northern Bald Ibises (<i>Geronticus eremita</i>)
15:30	Jasper Eikelboom	Advanced instrumentation and analytics for wildlife protection
After each talk there will be a short presentation of the posters submitted for this session (1,5 min per poster).		
Parallel Session IV:		
PANEL DISCUSSION: DEFAUNATION - FROM CONSERVATION SCIENCE TO CONSERVATION ACTION		
Organisers: Stefan Ziegler, Andreas Wilting		
Chair: Marion Junkersdorf		
Venue: Main lecture hall, Botanical Museum		
14:15 – 15:45	John Fa, Frank Barsch, Martin Bostroem, Andrew Tilker	Panel Discussion: Defaunation - from conservation science to conservation action
15:45 – 16:45	COFFEE BREAK & POSTER SESSION (New Glass-house)	
Parallel Session V:		
RECENT ADVANCES IN CAPTURE-RECAPTURE STUDIES WITH APPLICATIONS IN WILDLIFE RESEARCH AND CONSERVATION		
Session organisers: Olivier Gimenez, Lucile Marescot		
Venue: Room will be announced at the conference		
16:45	Olivier Gimenez	Capture-recapture - Ecological questions, methods
17:05	Lucile Marescot	Studying the fitness costs of infection when health status is uncertain for some individuals: a case study of canine distemper virus infection in Serengeti spotted hyenas
17:20	Antica Culina	Uncovering population dynamic, habitat use, and life-history trade offs in bats and birds using capture recapture models
17:35	Christophe Barbraud	Impact of fishing and climate on seabird demography
17:50	Ana Sanz-Aguilar	Studying foraging strategies by multievent capture-recapture models
18:05	Pierre Dupont & Cyril Millet	Challenges and promises of large-scale Spatial Capture Recapture
Parallel Session VI:		
HUMAN-WILDLIFE INTERACTIONS: COMING FROM BOTH SIDES – II		
Session organisers: Maarten Jacobs, Sophia Kochalski, Tanja Straka, Lysanne Snijders		
Venue: Room will be announced at the conference		
16:45	Freddy Manongi	Converse relationships between conservation, tourism and human development: The case of Ngorongoro Conservation Area, Tanzania
16:55	Arjun Dheer	Understanding Maasai and large carnivore relationships in Ngorongoro Conservation Area, Tanzania

17:05	Catherine Herbert	Human-kangaroo interactions in suburban ecosystems: an emerging challenge for managers, people and kangaroos
17:15	Jörg Melzheimer	Social hubs of an unsocial cat: cause and solution for the human-cheetah conflict
17:25	Nedim Kemer	Why are the wild fish in the seasonal irrigation channels?
17:35	Ben Klinkenberg	Reverse NIMBYism: Human-human conflict resulting from human-wildlife conflict
17:45	Nader Habibzadeh	Analysis of conflict reduction strategies in Iran; Case study: Kharvana district, East Azerbaijan province
17:55	Daniel Mfossa Mbouombouo	Community led conservation in the Littoral Region, Cameroon: Five years experiences with the "Club des Amis des Gorilles" to save Ebo Gorilla
18:05	Penny Banham	Prioritising communities to enable an environment for coexistence with carnivores: case studies from Kenya and India
18:15 – 18:45	Maarten Jacobs, Sophia Kochalski, Tanja Straka, Lysanne Snijders	Panel discussion

WEDNESDAY, 2 ND OCTOBER		
08:15 – 12:00	REGISTRATION & SUBMISSION OF POWERPOINT PRESENTATIONS (Conference office, Botanical Museum)	
HORMONES, INDIVIDUAL PLASTICITY AND FITNESS Chair: Michaela Hau, Marion East Venue: Main lecture hall, Botanical Museum		
09:00	Michaela Hau	Plenary talk: Hormones, individual plasticity and fitness
10:00	Coraline Bichet	Physiology in a long-lived seabird: what can we learn from a longitudinal study?
10:15	Lukáš Kubička	Temporal organization of male sexual behaviour in lizards: why is necessary to follow time series in the studies of hormonal control
10:30 – 11:15	COFFEE BREAK (New Glasshouse)	
11:15	Fabiola Rodrigues de Oliveira Silva	Assessment of a remote delivery approach for fertility control in eastern grey kangaroos
11:30	Mark Hauber	Proximate predictors of variation in egg rejection behavior by avian brood parasite hosts
11:45	Eva De la Peña	Testosterone may promote sex trait size only under conditions of intrasexual competition: the dark ventral patch in red deer
12:00	Wolfgang Goymann	It's the brain, not the gonad, Oida! – Hormones and mating system differences in coucals
12:15	Jelena Mausbach	Eco-evolutionary physiology of environmental stress: corticosterone as a driver of adaptive divergence in moor frogs (<i>Rana arvalis</i>) along an acidification gradient
12:30	Martin Küblbeck	Negative feedback regulation of the HPA axis – a meaningful status measure for conservation?
Parallel Session VII: SEXUAL CONFLICT AND ADAPTATION TO ENVIRONMENTAL CHANGE Chair: Alexandre Courtiol Venue: Rousseusaal, New Glasshouse		
11:15	Nicolas Fasel	Evolution of post-copulatory characters in vesper bats

11:30	Megan Petersdorf	Female reproductive synchrony and male reproductive skew in a seasonally-breeding baboon
11:45	Christina Bauch	Sex-specific telomere dynamics in relation to age and reproductive success in a long-lived seabird
12:00	Clara Ferreira	Effects of fragmentation in the social behaviour of the Cabrera vole: insights from genetic non-invasive sampling
12:15	Kseniia Kravchenko	Change in migratory behavior of bats revealed by stable isotopes
12:30	Gaelle Fehlmann	How urban parrots navigate and fly through the city centre: the cognitive challenges of adaptation
12:45 – 14:15	LUNCH BREAK (New Glasshouse)	
CONSERVATION GENETICS		
Chair: Zjef Pereboom, Mike Bruford, Jörns Fickel		
Venue: Main lecture hall, Botanical Museum		
14:15	Mike Bruford	Plenary talk: Genomic management of endangered species across the in situ/ex situ continuum and the role of biobanks
15:15 – 15:30	SHORT BREAK	
15:30	Zjef Pereboom	Introduction
15:40	Peter Frandsen	Bridging the gaps between population genomics and conservation through the use of zoo samples
15:55	Mirte Bosse & Jack Windig	Population genomics and breeding strategies of baboon populations in zoos
16:10	Harma Louise Leeftang & Philippe Helsen	Mitochondria as a driving force for sex-specific fitness differences in ex-situ breeding populations
16:25	Emily Humble & Rob Ogden	Genomic assessment of zoo populations for conservation reintroductions
16:40	Grete Nummert & Tiit Maran	Using ex situ population for establishment of wild population. How much genetic diversity is transferred during translocation? Case study of the European mink translocation to Hiiumaa Island in Estonia
16:55 – 17:30	CLOSING CEREMONY & POSTER AWARDS (Main lecture hall, Botanical Museum)	
18:30 – 22:30	CONFERENCE BANQUET (Zoo restaurant, Budapester Str. 34, 10787 Berlin)	

CONFERENCE VENUE

Botanic Garden and Botanical Museum Berlin
(Botanischer Garten und Botanisches Museum)
Königin-Luise-Str. 6-8
14195 Berlin
GERMANY

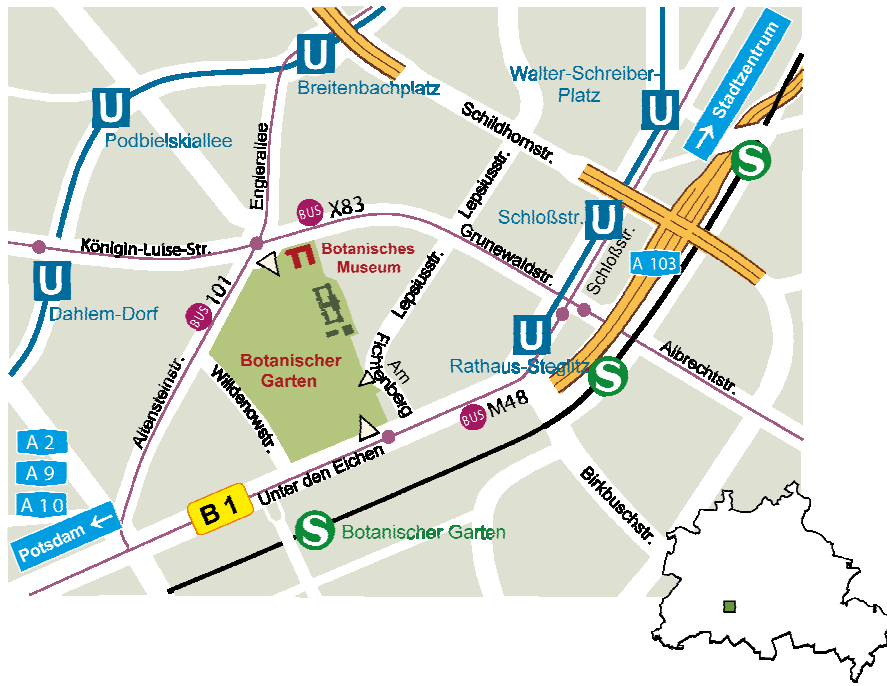
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New Glasshouse & Rousseausaal (© Botanischer Garten & Botanisches Museum Berlin)



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