

SCIENTIFIC PROGRAMME

Wednesday, October 4th, 2017, venue: Botanical Museum			
08:00 – 19:00		Registration (REGISTRATION DESK, FOYER) Submission of PowerPoint presentations (CONFERENCE OFFICE) Mounting of posters (NEW GREENHOUSE – NEUES GLASHAUS)	
08:45		Opening session (MAIN LECTURE HALL)	
Reproduction management of zoo collections (MAIN LECTURE HALL)			
Plenary talk			
Chair: PEREBOOM ZJEF, JEWGENOW KATARINA			Abstract page
09:00	ASA CHERYL	The evolving role of reproductive biology in zoos	5
Reproduction management of zoo collections (MAIN LECTURE HALL)			
Chair: PEREBOOM ZJEF, JEWGENOW KATARINA			
10:00	RDUCH VERA, SLIWA ALEXANDER	Breeding and life history patterns of saiga antelopes (<i>Saiga tatarica</i>) at Cologne Zoo, Germany	106
10:15	BEGUM NILOFER ET AL.	Long-term patterning of reproduction in the global historical captive population of the Lion-tailed macaque (<i>Macaca silenus</i>)	27
10:30 Coffee break (FOYER GROUND FLOOR & FIRST FLOOR)			
11:00	COWL VERONICA WALKER SUE	Captive breeding: Additional considerations for studbook breeding recommendations	39
11:15	LETANG BENOIT ET AL.	How does castration change the integration of immature Western Lowland gorilla males to their familial group network in captive populations?	78
11:30	KAUFMANN CARINA ANNA ET AL. presenting author: GANSLOBER UDO	The social behaviour of neutered male and female dogs compared to intact dogs (<i>Canis lupus familiaris</i>) as a model – video analyses, questionnaires and case studies	67
11:45	LÜDERS IMKE ET AL.	Captive breeding programs for endangered species: are we using the full potential?	80
12:00	ZAHMEL JENNIFER ET AL.	A balancing act – saving gametes of aged felids	139
12:15		Lunch (NEW GREENHOUSE – TOP FLOOR; lunch tickets at 6 Euro per lunch can be bought at the registration desk)	

Wednesday, October 4th, 2017, venue: Botanical Museum**Stress & disturbance** (MAIN LECTURE HALL)**Plenary talk**Chair: **HOFER HERIBERT**Abstract
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13:30	KIRKWOOD THOMAS	Ageing, stress and evolution	6
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Stress & disturbance (MAIN LECTURE HALL)Chair: **BENHAIEM SARAH, DEHNHARD MARTIN**

14:30	DEFOLIE CHARLOTTE ET AL.	So happy together? Ecological and social correlates of stress in wild redfronted lemurs (<i>Eulemur rufifrons</i>)	42
14:45	CORNILS JESSICA SVEA ET AL.	Troublesome neighbours – the stressful life of a small rodent in European forests	38
15:00	DULUDE-DE BROIN FRÉDÉRIC ET AL.	Mountain goat glucocorticoids: correlates with endogenous, exogenous and fitness components in the wild	44
15:15	SCHMIDT KRZYSZTOF ET AL.	Stress in deer populations - possibly stronger effect of humans than predators	117
15:30	PIÑEIRO ANA ET AL.	Non-invasive physiological stress and reproductive patterns of free-living European wildcats	100

15:45 **Coffee break & poster session** (NEW GREENHOUSE – TOP FLOOR)
Posters: odd numbers

Wednesday, October 4th, 2017, venue: Botanical Museum

Parallel session I: Conservation (MAIN LECTURE HALL)

Session organisers: SANTOS NUNO, EAST MARION L

17:00	SANTOS NUNO	Wolf conservation in Portugal: contributions from zoological medicine and physiology	13
17:25	CHAUHAN NETRAPAL SINGH	Behavioural interactions of sloth bears with special reference to human-sloth bear conflict and management implications in Central India	36
17:40	ROZHN OV VIATCHESLAV V ET AL. presenting author: YACHMENNIKOVA ANNA A	Restoration of the North Persian leopard in the Russian Caucasus: the experience of pre-releasing assessment and the first results of released animals monitoring	111
17:55	TIESMEYER ANNIKA ET AL.	Where are you and if so how many? - European wildcats as example for assessing conservation status of rare and elusive species	130
18:10	KHANAL CHIRANJEEVI, BANIIYA SANJEEV	Distribution of striped hyenas (<i>Hyaena hyaena</i>) in Deukhuri Valley, Nepal	68
18:25	CHAIYES AINGORN ET AL.	Foraging Habitat Utilization Map for Lyle's Flying Fox (<i>Pteropus lylei</i>) by High-Resolution GPS Tracking in Central Thailand	35
18:40	VOIGT-HEUCKE SILKE L ET AL.	Getting to the fat of the matter: The consequences of supplementing garden birds with fat-rich food	133
18:55	NAIDENKO SERGEY, KIRILYUK VADIM	Recovery of Russian population of Mongolian gazelle	93
19:15 - 22:00	Welcome evening (NEW GREENHOUSE – TOP FLOOR, Botanic Garden, Königin-Luise-Straße 6-8, 14195 Berlin)		

Wednesday, October 4th, 2017, venue: Botanical Museum**Parallel session II: Urban wildlife ecology** (SEMINAR ROOM
"BLÜTENZAAL")**Session organisers: RILEY SETH PD, KRAMER-SCHADT STEPHANIE****Abstract
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17:00	RILEY SETH PD	Effects of urbanization and fragmentation on wildlife populations in a National Park in Southern California, from newts to mountain lions	14
18:00	GRAS PIERRE	Urban structures affect the spread of a wildlife disease	55
18:15	BLANCH-LÁZARO BERTA, BLAKE DAMER	Genetic diversity and population structure of <i>Angiostrongylus vasorum</i> parasites in urban foxes (<i>Vulpes vulpes</i>) of London, UK	32
18:30	RAAP THOMAS ET AL.	Artificial light at night, sleep debt and ecophysiology in wild developing songbirds	102
18:45	STILLFRIED MILENA ET AL.	Secrets of success in a landscape of fear: Urban mammals adjust risk perception and tolerate disturbance	122
19:15 - 22:00	Welcome evening (NEW GREENHOUSE – TOP FLOOR, Botanic Garden, Königin-Luise-Straße 6-8, 14195 Berlin)		

Thursday, October 5th, 2017, venue: Botanical Museum			
08:00 - 19:00		Registration (REGISTRATION DESK, FOYER) Submission of PowerPoint presentations (CONFERENCE OFFICE)	
Conservation biology (MAIN LECTURE HALL)			
Plenary talk			Abstract page
Chair: WILTING ANDREAS			
09:00	BEISSINGER STEVEN R	A century of climate and land-use impacts on the metacommunity dynamics of California birds and mammals	7
Conservation biology (MAIN LECTURE HALL)			
Chair: BEISSINGER STEVEN R			
10:00	LEHNERT LINN S ET AL.	Noctule bat migration in Central Europe: patterns & plasticity	77
10:15	NAMES GABRIELLE ET AL.	Physiological correlates of exposure to avian malaria in a Hawaiian Honeycreeper	94
10:30 Coffee break (FOYER GROUND FLOOR & FIRST FLOOR)			
11:00	RADCHUK VIKTORIIA ET AL.	Trait responses of terrestrial animals to global warming are not adaptive	104
11:15	SCHEUN JUAN, GANSWINDT ANDRE	Applying conservation endocrinology to reptiles and frogs: possible pitfalls and shortcomings	116
11:30	MOHAMED AZLAN ET AL.	Occupancy, local abundance and density: what can we estimate with camera-trapping data	31
11:45	TILKER ANDREW	Data for a Data Deficient Species: The Annamite striped rabbit (<i>Nesolagus timminsi</i>) of Vietnam and Laos	131
12:00	MACEDA-VEIGA ALBERTO ET AL.	Chronic nitrate enrichment decreases severity and induces protection against an infectious disease	81
12:15	Lunch (NEW GREENHOUSE – TOP FLOOR; lunch tickets at 6 Euro per lunch can be bought at the registration desk)		

Thursday, October 5th, 2017, venue: Botanical Museum

Behavioural ecology (MAIN LECTURE HALL)

Plenary talk

Chair: HÖNER OLIVER

Abstract
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13:30	ALBERTS SUSAN	Life in the arid lands: ecological challenges and behavioural flexibility in wild baboons	8
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Behavioural ecology (MAIN LECTURE HALL)

Chair: ALBERTS SUSAN, HÖNER OLIVER

Abstract
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14:30	RABAIOTTI DANIELLA	Constraints on nocturnal activity mediate climate impacts on a tropical carnivore	103
14:45	SIMON RICARDO NOUAILHETAS ET AL.	Seasonal variation in the spatiotemporal behavioural game between predators and prey	120
15:00	THOMAS GEORGIA ET AL.	DOES size matter? Characterisation of factors influencing male reproductive success in the Eastern grey kangaroo (<i>Macropus giganteus</i>)	128
15:15	NOWACK LINDA ET AL.	Reproductive performance of Scandinavian female brown bears (<i>Ursus arctos</i>) in relation to type of hibernation den	97
15:30	MALDONADO-CHAPARRO ADRIANA A ET AL.	Do females that experience more social support produce more sons?	83
15:45	FRANZ MATHIAS ET AL.	Genetic background influences dominance ranks in male baboons	47

16:00 **Coffee break & poster session** (NEW GREENHOUSE – TOP FLOOR)
Posters: even numbers

Thursday, October 5th, 2017, venue: Botanical Museum			
Parallel session III: Environmental epigenetics (SEMINAR ROOM "BLÜTENZAAL")			Abstract page
Session organisers: SKINNER MIKE, SOEN YOAV, WEYRICH ALEXANDRA			
17:15	SKINNER MICHAEL K	Impacts of environmentally induced epigenetic transgenerational inheritance on disease, phenotype variation and evolution: ancestral ghosts in your genome	15
18:05	WEYRICH ALEXANDRA ET AL.	Paternal epigenetic effects in response to environmental change in wild guinea pigs	16
18:40	SOEN YOAV	Adaptation by Natural Improvisation: A theory of individual-specific adaptation	17
19:30 - 22:30	Conference banquet (NEW GREENHOUSE – TOP FLOOR, Botanic Garden, Königin-Luise-Straße 6-8, 14195 Berlin)		

Thursday, October 5th, 2017, venue: Botanical Museum			
Parallel session IV: Ecophysiology of wildlife (MAIN LECTURE HALL)			Abstract page
Session organisers: BLUMSTEIN DANIEL T, ORTMANN SYLVIA			
17:15	BLUMSTEIN DANIEL T	Social buffering of predator-induced stressors in marmots	18
17:45	GIROUD SYLVAIN ET AL.	Being born late in the active season: implications for growth, fattening, torpor use and fertility	50
18:00	NOWACK JULIA ET AL.	Costs and benefits of torpor use in times of a warming climate	96
18:15	KUEPPER NADJA D ET AL.	Torpor as a survival strategy during snow storm induced food shortages in Antarctic storm petrel chicks	76
18:30	SEBASTIANO MANRICO ET AL.	Does administration of antioxidants reduce oxidative stress and clinical signs of a viral disease in magnificent frigatebirds?	118
18:45	RUIZ SANDRA ET AL.	Relationships between industrial metal exposure and oxidative status in an insectivorous bat	113
19:00	MENKE SEBASTIAN ET AL.	The role of the gut microbiota in the herbivore-plant co-evolutionary arms-race	87
19:30 - 22:30	Conference banquet (NEW GREENHOUSE – TOP FLOOR, Botanic Garden, Königin-Luise-Straße 6-8, 14195 Berlin)		

Friday, October 6th, 2017, venue: Botanical Museum

08:00 – 12:00	Registration (REGISTRATION DESK, FOYER)		
08:00 – 13:00	Removal of posters		
14:30 – 16:00	Guided visit to IZW (meet 13:10 at Botanical Museum entrance)		
14:30 – 16:30	Guided visit to Tierpark Berlin (meet 13:10 at Botanical Museum entrance)		
Conservation genetics (main lecture hall)			
Plenary talk			
Chair: FÖRSTER DANIEL W, FICKEL JÖRNS,			Abstract page
09:00	KOEPFLI KLAUS-PETER	Application of genomic approaches to the management of ex situ populations of endangered species	9
Conservation genetics (MAIN LECTURE HALL)			
Chair: KOEPFLI KLAUS-PETER, FÖRSTER DANIEL W, FICKEL JÖRNS,			
10:00	HÖRIG LISA ET AL.	Assessing the use of iDNA from haematophagous leeches as an alternative tool for wildlife monitoring	60
10:15	DE RAHUL ET AL.	Insight into predation behaviour of tiger in Ranthambore Tiger Reserve, Rajasthan, India: Use of low cost gel-based molecular sexing of prey hairs from scats	40
10:30	Coffee break (FOYER GROUND FLOOR & FIRST FLOOR)		
Chair: KOEPFLI KLAUS-PETER, DEREZANIN LORENA, FICKEL JÖRNS			
11:00	MAZZONI CAMILA ET AL.	Can RAD-Seq help sea turtle conservation?	86
11:15	PSHENICHNIKOVA OLESYA ET AL.	What affects intraspecific genetic structure in planktivorous seabird species?	101
11:30	SALOMASHKINA VALENTINA ET AL.	Caucasian brown bear genetics reveals complicated structure and history of the population	115
11:45	OGDEN ROB ET AL.	Assessing the conservation genetic value of zoo breeding programmes	98
12:00	HELSEN PHILIPPE ET AL.	Soaring again in France: genetic monitoring to evaluate the reintroduction process of Eurasian Black Vultures	58
12:15	REINERS TOBIAS ERIK ET AL.	Rise of a lynx population in Central Europe - Genetic evaluation of reintroduction success after 15 years	108

12:30	Closing session & Poster award (MAIN LECTURE HALL)
12:45	Packed lunch (available for 5 Euro at the registration desk)
13:15	Departure to guided visit to the Tierpark Berlin and IZW
14:30 – 16:00	Guided visit IZW
14:30 - 16:30	Guided visit Tierpark Berlin

Friday, October 6th, 2017, venue: IZW

Workshop I: Cryopreservation of gametes and embryos for conservation breeding (venue: IZW, Alfred-Kowalke-Str. 17, 10315 Berlin)

For registered workshop participants only

WS organisers: SCHENKEL JOHANNES, MÜLLER KARIN, JEWGENOW KATARINA

Abstract
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11:00	MÜLLER KARIN, JEWGENOW KATARINA	WELCOME AND INTRODUCTION Recent challenges of cell and tissue cryopreservation	-
11:15	SCHENKEL JOHANNES	Cryopreservation of mutant mice	19
12:15	WOJTUSIK JESSYE ET AL.	Use of animal-protein free extenders as alternatives to standard egg-yolk based extender in semen cryopreservation of the black rhino (<i>Diceros bicornis</i>) and Indian rhino (<i>Rhinoceros unicornis</i>)	135
12:25	BASHAWAT MOHAMMAD ET AL.	Tolerance of domestic cat epididymal sperm for different equilibration conditions prior to cryopreservation	26
12:35	FERNANDEZ-GONZALES LORENA, ET AL. presenting author: JEWGENOW KATARINA	Self-pressurized vitrification of feline oocytes	45
12:45	JAKOP ULRIKE ET AL.	Curious lipids in kangaroo sperm and their bad cryopformance	63
13:00	Lunch and discussion		
14:30	HANDS ON IN TWO ALTERNATING GROUPS:		
	MÜLLER KARIN, FRANZ CHRISTIANE, BASHAWAT MOHAMMAD	Presentation of a simple freezing method for spermatozoa	-
	JEWGENOW KATARINA, ZAHMEL JENNIFER, JÄNSCH STEFANIE	Presentation of a simple freezing method for ovary tissue and oocyte vitrification	-
17:00	ALL	Closing	
15:00 - 15:30	Discussion & coffee break in between		

Saturday, October 7th, 2017, venue: IZW**Workshop II: Wildlife detection dogs** (venue: IZW, Alfred-Kowalke-Str. 17, 10315 Berlin)**For registered workshop participants only****WS organisers: CLYNE ARAN, GRIMM-SEYFARTH ANNEGRET, MAUSBACH JELENA, BERGER ANNE****Abstract page**

10:00	BERGER ANNE ET AL. presenting author: MAUSBACH JELENA	Chances and challenges of using wildlife detection dogs in nature conservation and wildlife research projects	20
10:30	CLYNE ARAN	TBA	-
11:30	Coffee break		
12:00	GRIMM-SEYFARTH ANNEGRET ET AL.	Advantages of scat detection dogs: A case study from related mustelid species with identical diet	56
12:10	HOLLERBACH LAURA ET AL.	Of (s)cats and dogs: Detection dogs allow for systematic non-invasive collection of DNA samples of Eurasian Lynx (<i>Lynx lynx</i>)	59
12:20	TAUBMANN JULIA ET AL.	Grouse and wind energy: pointing dogs in conservation research	127
12:30		Poster presentations (One minute per poster)	
12:35		Panel discussion	
14:00	Coffee break		
14:30 – 16:00	Panel discussion & results		

Posters

Board no	Behavioural ecology		Abstract page
001	BLIDCHENKO EKATERINA Y ET AL.	Communicative behaviour of Amur tiger and Amur leopard: analysis of scent-marking activity in wildlife	33
002	CORNILS JESSICA SVEA ET AL.	Positive effects of biodiversity – Why edible dormice do not stick with their preferred food plant	37
003	GONCHAROVA MARIA, KLENOVA ANNA	Vocal variability in chicks of three crane species: indicators of age, individuality, sex, hormone value, hunger and cooling	54
004	ITO HIDEYUKI ET AL.	Polymorphism in candidate genes related to personality and sociality among three zebra species	62
005	KORENKOVA ANNA A, YACHMENNKOVA ANNA A	Dynamic of fox cubs' 24-h activity in the wild: from den period to the beginning of dispersion	71
006	KRETZSCHMAR PETRA ET AL.	Whom do I select for mating? A study of female mate choice in white rhinos (<i>Ceratotherium simum simum</i>)	74
007	KRUSZYNSKI CECILIA ET AL.	A new food resource for <i>Glossophaga soricina</i> (Mammalia: Chiroptera) in Southeast Brazil	75
008	LINDECKE OLIVER ET AL.	Mammal navigation revisited – New methods involving bats as wildlife model for studies of crucial compass orientation	79
009	NIEBALLA JÜRGEN ET AL. presenting author: WILTING ANDREAS	Assessing spatiotemporal interactions between species from camera trapping data	95
010	OZELLA LAURA ET AL.	High-resolution measurement of social interactions of free-ranging dogs in rural Chad using proximity sensors	99
011	RUIZ FADEL FERNANDA ET AL.	Behavioural genetics of personality traits in the Eurasian harvest mouse (<i>Micromys minutus</i>)	112
012	RUSIN IVAN Y ET AL.	Analysis of vocal rutting activity across populations of red deer (<i>Cervus elaphus</i>): effects of rut phase, time of day and ambient temperature	114
013	STĘPNIAK KINGA M ET AL.	Scent-marking behaviour in grey wolves <i>Canis lupus</i> inhabiting managed forests in Northeast Poland	121
014	YACHMENNKOVA ANNA A ET AL., presenting author: KORENKOVA ANNA A	Appearance of play behaviours during development of fox cubs	137

Board no	Conservation biology		Abstract page
015	BAHR JANINE, VAN GEMMERT ANDRÉ	Seal rehabilitation: motherless pups, lungworms and other seal diseases	24
016	BENHAIEM SARAH ET AL.	Resistance but low resilience to a virulent disease epidemic in a free-ranging population of spotted hyenas	28
017	DHEER ARJUN	Resource partitioning between spotted hyenas (<i>Crocuta crocuta</i>) and lions (<i>Panthera leo</i>)	43
018	KAIDATZI SARA ET AL.	The consequences of snare injuries on fitness in wild female spotted hyenas	65
019	KLENOVA ANNA ET AL.	Effect of age and pair-mate change on vocal duets of endangered Siberian crane (<i>Grus leucogeranus</i>)	70
020	MADISHA THABANG ET AL. presenting author: MOKGOKONG PRUDENT	New insights into Samango monkey speciation in South Africa	82
021	STOKLASOVÁ LUCIE, HEJCMANOVÁ PAVLA	Biochemical and mineral blood profile of Western Derby eland in the conservation breeding population in Senegal	123

Board no	Conservation genetics		Abstract page
022	ADAWAREN EMMANUEL ET AL.	Selection of an avian reference genome for mapping and assembly of the Cape Vulture next generation sequencing data	21
023	FONTES SÓNIA J ET AL.	Genetic analysis of coagulation Factor VII and its correlation with Elephant Endotheliotropic Herpesvirus in Asian elephants (<i>Elephas maximus</i>)	46
024	GALBUSERA PETER ET AL.	Assessment and conservation of genetic diversity in captive and wild populations of the Golden-headed lion tamarin, using pedigree and molecular data	49
025	KASTRIOT KORRO, ŠPREM NIKICA	Multiple hybridization events in the history of pig domestication compared to wild boars	72
026	RDUCH VERA ET AL.	Dead or alive: most wanted mammals of Germany... elks, horseshoe bats and kin	105

Board no	Ecophysiology of wildlife		Abstract page
027	BIANCHI ALESSANDRO ET AL. presenting author: GIACOMELLI STEFANO	Habitat influence on haematological parameters of red deer (<i>Cervus elaphus</i>)	30
028	FRIGERIO DIDONE ET AL.	Digestibility in greylag geese (<i>Anser anser</i>): the role of social context	48

029	MODESTO MONICA ET AL. presenting author: REGAIOLLI BARBARA	The chiroptera gut microbiota: evidence for bifidobacteria presence in <i>Rousettus aegyptiacus</i>	88
030	MODESTO MONICA ET AL. presenting author: LA CAUZA GIUSEPPE FEDERICO	Occurrence of Bifidobacteriaceae in herbivorous primate <i>Theropithecus gelada</i>	89
031	NAIDENKO SERGEY ET AL.	The effect of different factors on androgen levels in lynx cubs	92
032	ROELLIG KATHLEEN ET AL.	A picture is worth a thousand words – increasing scientific literacy by conveying scientific results through images	110
033	TALLO-PARRA ORIOL ET AL., presenting author: LOPEZ- BEJAR MANEL	Detection of IGF-I concentrations in saliva from red deer (<i>Cervus elaphus</i>)	125
034	TARMANN IRIS ET AL.	Global warming impacts on hibernation of garden dormouse (<i>Eliomys quercinus</i>)	126
035	YACHMENNIKOVA ANNA A, BLIDCHENKO EKATERINA Y	Food habits and diet of foxes (<i>Vulpes vulpes</i>) during period they feed their cubs in the wild (Kamchatka, Russia)	136

Board no	Reproduction biology		Abstract page
036	AMSTISLAVSKY SERGEI ET AL.	Homologous and heterologous feline embryos produced in vitro with frozen-thawed semen of domestic cat (<i>Felis silvestris catus</i>) and Far-Eastern wildcat (<i>Prionailurus bengalensis euptilurus</i>)	23
037	BASHAWAT MOHAMMAD ET AL.	Tolerance of domestic cat epididymal sperm for different equilibration conditions prior to cryopreservation	26
038	BRANDLOVÁ KAROLINA ET AL.	Day to day fluctuations in okapi weight – a signal of problem?	34
039	FERNANDEZ- GONZALEZ LORENA ET AL., presenting author: JEWGENOW KATARINA	Self-pressurized vitrification of feline oocytes	45
040	GLONEKOVÁ MARKÉTA ET AL.	Reproductive effort in giraffe females – does it change with increasing experience?	52
041	ISMAIL OMAR (SID AHMED) ET AL.	Monitoring of luteal activity in dromedary camels (<i>Camelus dromedarius</i>) by using non-invasive quantification of faecal progestagens metabolites after GnRH stimulation	61
042	JAKOP ULRIKE ET AL.	Curious lipids in kangaroo sperm and their bad cryoperformance	63

043	KORZEKWA ANNA ET AL.	The mRNA expression of receptors for estradiol and enzymes involved in steroid production in the ovary and endometrium of uterus in pre-pubertal, pubertal and sexually mature wild boar sows	73
044	MUSEKWA TAKALANI ET AL.	The wildlife sperm atlas project: documenting morphological diversity	91
045	ROLDAN MAR ET AL.	Circadian variations in faecal androgen metabolites in captive red brocket deer (<i>Mazama americana</i>)	109
046	SUGIANTO NADINE ADRIANNA ET AL.	Endocrinological insights into the European badger's (<i>Meles meles</i>) female reproductive cycle: an example from a high density population (Wytham Woods, UK)	124
047	WOJTUSIK JESSYE ET AL.	Use of animal-protein free extenders as alternatives to standard egg-yolk based extender in semen cryopreservation of the black rhino (<i>Diceros bicornis</i>) and Indian rhino (<i>Rhinoceros unicornis</i>)	135
048	ZADROGA ANNA ET AL.	Selected endocrine mechanisms regulating the reproductive processes of the European Roe deer (<i>Capreolus capreolus</i>)	138

Board no	Stress and disturbance		Abstract page
049	DEFOLIE CHARLOTTE ET AL.	Faeces and urine matter! Non-invasive monitoring of stress and health in wild primates	41
050	GOLOSOVA OLGA S ET AL.	Effects of social density during the rut and arousal at mother-offspring separation on male and female vocalisation traits in Siberian wapiti	53
051	MATRAH ALMUTAIRI	Habitat utilization by lesser jerboa (<i>Jaculus jaculus</i>) in degraded arid land habitats	84
052	MONCLÚS LAURA ET AL., presenting author: LOPEZ-BEJAR MANEL	Validation of a protocol for corticosterone extraction from feathers of a raptor species	90
053	REGAIOLLI BARBARA ET AL.	Measuring animal welfare: behaviour and physiology in zoo fossa (<i>Cryptoprocta ferax</i>)	107
054	SELTMANN ANNE ET AL.	Differences in acute phase response to bacterial, fungal and viral challenges in greater mouse-eared bats (<i>Myotis myotis</i>)	119

Board no	Urban wildlife ecology		Abstract page
055	BARTHEL LEON MF ET AL.	Nesting behavior of the European hedgehog (<i>Erinaceus europaeus</i> , Linnaeus, 1758) under direct anthropogenic influences	25
056	KIMMIG SOPHIA ET AL.	Using high-resolution movement data to derive diurnal behavioural patterns of red foxes (<i>Vulpes vulpes</i>) along an urbanization gradient	69
057	VENCIA WALTER ET AL., presenting author: MODESTO PAOLA	<i>Yersinia enterocolitica</i> isolates from wild boar hunted in North-western Italy: presence of genes of pathogenicity and antibiotic-resistance	132
058	WEH CAROLIN ET AL.	The masked invaders of Berlin: Movement ecology, behaviour and diet of raccoons along a rural-urban gradient	134

Board no	Wildlife detection dogs		Abstract page
059	BERGER ANNE	How to be sure of hedgehog absence before building projects, bush pruning or clearing events?	29
060	JENSEN ANGELIKA	Detecting of Asian and Chinese longhorn beetle (ALB/CLB) by wildlife detection dogs in European quarantine areas	64
WDD Workshop only	HARTL CHRISTOPH ET AL.	Scat detection dog for Balkan lynx (<i>Lynx lynx balcanicus syn. martinoi</i>) conservation	57
WDD Workshop only	KARP DENISE, MAUSBACH JELENA	Increased efficiency and reliability of detecting fish otter (<i>Lutra lutra</i>) records by using scat detection dogs?	66
WDD Workshop only	MAUSBACH JELENA ET AL.	The use of wildlife detection dogs for bat roost detection	85