Overview of daily schedules

Monday, September 28th, 2015		
Venue: Leibniz Institute for Zoo and Wildlife Research (IZW), Alfred-Kowalke-Str. 17, 10315 Berlin - Friedrichsfelde		
10:00 – 17:00	**Workshop:** Cryopreservation of gametes and embryos for conservation breeding	
Venue: Conference centre in the Federal Institute for Risk Assessment (Bundesinstitut für Risikobewertung, BfR), Diedersdorfer Weg 1, 12277 Berlin - Marienfelde		
12:00 – 18:30	Registration & Mounting of posters (Foyer & Gallery)	
15:00 – 18:30	**Parallel session I:** **EAZA symposium** - The role of science and planning methodology in the One Plan Approach to species conservation planning (Main lecture hall)	**Parallel session II:** **Urban wildlife ecology** (Seminar room)
18:30 – 21:30	**Welcome evening** (Canteen)	

Tuesday, September 29th, 2015		
Venue: Conference centre in the Federal Institute for Risk Assessment (Bundesinstitut für Risikobewertung, BfR), Diedersdorfer Weg 1, 12277 Berlin - Marienfelde		
08:00 – 19:00	Registration & Mounting of posters (Foyer & Gallery)	
08:45 – 09:00	**Opening session** (Main lecture hall)	
09:00 – 10:00	**Plenary talk STRESS & DISTURBANCE** (Main lecture hall) **Plenary speaker: Caroline Isaksson**	
10:00 – 10:30	**STRESS & DISTURBANCE, 1st session** (Main lecture hall)	
10:30 – 11:00	Coffee break (Foyer & Gallery)	
11:00 – 12:30	**STRESS & DISTURBANCE, 2nd session** (Main lecture hall)	
12:30 – 13:30	Lunch (Canteen)	
13:30 – 14:30	**Plenary talk CONSERVATION BIOLOGY** (Main lecture hall) **Plenary speaker: James M Dietz**	
14:30 – 16:00	**CONSERVATION BIOLOGY** (Main lecture hall)	
16:00 – 16:30	Coffee break (Foyer & Gallery)	
16:30 – 19:30	**Parallel session III:** **Conservation** (Main lecture hall)	**Parallel session IV:** **Ecophysiology of wildlife** (Seminar room)
19:30 – 21:30	**Poster & Pasta Party** (Foyer & Gallery)	

Wednesday, September 30th, 2015

Venue: Conference centre in the Federal Institute for Risk Assessment (Bundesinstitut für Risikobewertung, BfR), Diedersdorfer Weg 1, 12277 Berlin - Marienfelde

08:00 – 19:00	Registration (Foyer)	
09:00 – 10:00	**Plenary talk REPRODUCTION BIOLOGY** (Main lecture hall) **Plenary speaker: Andrew J Kouba**	
10:00 – 10:30	**REPRODUCTION BIOLOGY, 1st session** (Main lecture hall)	
10:30 – 11:00	Coffee break (Foyer & Gallery)	
11:00 – 11:45	**REPRODUCTION BIOLOGY, 2nd session** (Main lecture hall)	
11:45 – 12:45	Lunch (Canteen)	
12:45 – 13:45	**Plenary talk CONSERVATION GENETICS** (Main lecture hall) **Plenary speaker: Ludovic Orlando**	
13:45 – 14:15	**CONSERVATION GENETICS, 1st session** (Main lecture hall)	
14:15 – 14:45	Break	
14:45 – 16:00	**CONSERVATION GENETICS, 2nd session** (Main lecture hall)	
16:00 – 16:30	Coffee break (Foyer & Gallery)	
16:30 – 18:30	**Parallel session V:** **Hybridisation capture - challenges and solutions** (Main lecture hall)	**Parallel session VI:** **Behavioural rhythms** (Seminar room)
19:00	**Departure to banquet venue** (meet at BfR entrance)	
20:00 – 23:00	**Conference banquet** (location: Biosphere Potsdam, Georg-Hermann-Allee 99, 14469 Potsdam)	

Thursday, October 1st, 2015

Venue: Conference centre in the Federal Institute for Risk Assessment (Bundesinstitut für Risikobewertung, BfR), Diedersdorfer Weg 1, 12277 Berlin - Marienfelde

08:00 – 11:00	Registration (Foyer)
09:00 – 10:00	**Plenary talk BEHAVIOURAL ECOLOGY** (Main lecture hall) **Plenary speaker: Elise Huchard**
10:00 – 10:30	**BEHAVIOURAL ECOLOGY, 1st session** (Main lecture hall)
10:30 – 11:00	Coffee break (Foyer & Gallery)
11:00 – 12:30	**BEHAVIOURAL ECOLOGY, 2nd session** (Main lecture hall)
12:30 – 12:45	Closing session (Main lecture hall)
12:45 – 13:45	Lunch (Canteen)
13:30	**Departure to Zoo Berlin**
14:30 – 16:30	**Guided tour Zoo Berlin**

SCIENTIFIC PROGRAMME

Monday, September 28th, 2015, venue: IZW			
Workshop I: Cryopreservation of gametes and embryos for conservation breeding (venue: IZW, Alfred-Kowalke-Str. 17, 10315 Berlin) **WS organisers: NAUMANN RONALD, MÜLLER KARIN, TANNERT ASTRID**			**Abstract page**
10:00	MÜLLER KARIN, EDER SUSANNE	INTRODUCTION: Biophysical and biochemical challenges of cell and tissue cryopreservation	10
10:15	NAUMANN RONALD	Safety backup of mutant mouse models by sperm or/and embryo freezing	-
10:45	TANNERT ASTRID, MÜLLER KARIN, JEWGENOW KATARINA	Ultrasound-assisted freezing and thawing – a new option?	-
11:00	KASBERG JOHANNA ET AL.	Characteristics and freezability of lion ejaculates collected with electroejaculation and urethral catheter (preliminary results)	100
11:15	AMSTISLAVSKY SERGEI ET AL.	Semen freezing and cryopreservation in Amur leopard cat (*Prionailurus bengalensis euptilurus*)	25
11:30	JEWGENOW KATARINA, ZAHMEL JENNIFFER	Felid-gamete-rescue: cryopreservation of ovarian cortex of wild felids	-
11:45	FERNANDEZ-GONZALEZ LORENA ET AL.	Oocyte cryopreservation in felids: current situation and future perspectives	68
12:05	NAUMANN RONALD	Repeated freezing of mouse oocytes (demonstration)	-
12:45	***Lunch and discussion***		
13:30	HANDS ON IN TWO ALTERNATING GROUPS:		
	MÜLLER KARIN, EDER SUSANNE, FRANZ CHRISTIANE	Presentation of a simple freezing method for spermatozoa	-
	JEWGENOW KATARINA, FERNANDEZ-GONZALEZ LORENA, ZAHMEL JENNIFER	Presentation of a simple freezing method for ovary tissue	-
16:00	ALL	Thawing of mouse oocytes and cat spermatozoa	
16:30 - 17:00	***Discussion & coffee break***		
17:15	Shuttle from the IZW to the welcome evening in the main conference centre		
18:30 - 21:30	***Welcome evening*** (CANTEEN, main conference centre, BfR, Federal Institute for Risk Assessment, Diedersdorfer Weg 1, 12277 Berlin)		

Monday, September 28th, 2015, venue: BfR

Parallel session I: EAZA symposium - The role of science and planning methodology in the One Plan Approach to species conservation planning (MAIN LECTURE HALL)

Session organisers: LEUS KRISTIN, GUSSET MARKUS, SCHWITZER CHRISTOPH, PEREBOOM ZJEF

			Abstract page
15:00	PEREBOOM ZJEF	Scene-setting introduction to the One Plan Approach	-
15:10	SCHWITZER CHRISTOPH, BYERS ONNIE	The IUCN's One Plan Approach to integrated species conservation planning	171
15:30	LEUS KRISTIN, TRAYLOR-HOLZER KATHY	Using the revised IUCN SSC guidelines on the use of *ex situ* management for species conservation within the One Plan Approach to species conservation planning	117
15:50	MEDICI PATRICIA	The Tapir Specialist Group One Plan Approach for tapir conservation	-
16:10	***Coffee break*** (FOYER & GALLERY)		
16:40	DIETZ LOU ANN, FERRAZ LUIS PAULO	Saving golden lion tamarins using adaptive management	50
17:00	SHERLEY RICHARD B	The One Plan Approach and African penguin conservation planning	173
17:20	GUSSET MARKUS	Towards integrated species conservation	81
17:40		Discussion	
18:30 - 21:30	***Welcome evening*** (CANTEEN, main conference centre, BfR, Federal Institute for Risk Assessment, Diedersdorfer Weg 1, 12277 Berlin)		

Monday, September 28th, 2015, venue: BfR

Parallel session II: Urban wildlife ecology (SEMINAR ROOM) **Session organisers: WARREN PAIGE S, KRAMER-SCHADT STEPHANIE**			**Abstract page**
15:00	WARREN PAIGE S, FISCHER JASON D	Implications of an anthro-centric lens in urban wildlife ecology	15
15:55	MERONKA ROBERT ET AL.	Mice in a big city: changes in behaviour as an indicator of adaptation	131
16:15	DORNING JOANNE, HARRIS STEPHEN	Foxes in the city: the secret to their success	54
16:35	SAYANTAN DAS ET AL. presenting author: TEJESHWAR DHANANJAYA	To beg, snatch or steal: preliminary investigation of food extraction techniques used by urban bonnets (*Macaca radiata*) and the role of individual personalities	169
16:55		Poster presentations (One minute per poster)	
17:00	***Coffee break*** (FOYER & GALLERY)		
17:30	STILLFRIED MILENA ET AL.	Population genetic analysis as a tool for management of urban wild boar (*Sus scrofa*) populations in Berlin	183
17:50	PEERENBOOM GEVA ET AL.	How to coexist? Governance of urban wildlife management	149
18:10		Discussion	
18:30 - 21:30	***Welcome evening*** (CANTEEN, main conference centre, BfR, Federal Institute for Risk Assessment, Diedersdorfer Weg 1, 12277 Berlin)		

Tuesday, September 29th, 2015, venue: BfR

08:00 – 19:00	**Registration** (REGISTRATION DESK, FOYER) Submission of PowerPoint presentations (CONFERENCE OFFICE) Mounting of posters (GALLERY)		
08:45	***Opening session*** (MAIN LECTURE HALL)		
Stress & disturbance (MAIN LECTURE HALL) **Plenary talk** **Chair: HOFER HERIBERT**			**Abstract page**
09:00	**ISAKSSON CAROLINE**	**Urban environmental stress: the challenges of integrating toxicology, nutrition & oxidative stress into the life-history biology of wild populations**	5
Stress & disturbance (MAIN LECTURE HALL) **Chair: ISAKSSON CAROLINE, HOFER HERIBERT**			
10:00	VON ENGELHARDT NIKOLAUS ET AL.	Maternal and offspring hormones reflect prenatal social density in Antarctic fur seals (*Arctocephalus gazella*): fetal programming in a colonial marine mammal?	193
10:15	OZELLA LAURA ET AL.	Effects of weather conditions and visitors presence on faecal glucocorticoid metabolites in captive African penguin (*Spheniscus demersus*)	144
10:30	***Coffee break & poster session*** (FOYER & GALLERY)		
11:00	MORAIS ROSANA NOGUEIRA ET AL.	How disturbing can a nearby electronic music festival be? Using noninvasive stress monitoring to inform animal welfare decisions	136
11:15	CARLITZ ESTHER HD ET AL.	Monitoring long-term stress through hair cortisol analysis in captive and wild orang-utans (*Pongo* spp.) and chimpanzees (*Pan troglodytes*)	42
11:30	AZEVEDO ALEXANDRE ET AL.	Cortisol analysis in captive Iberian lynx hair	26
11:45	RAKOTONIAINA HASINA JOSUÉ ET AL.	Conservation physiology of two sympatric lemur species - is the specialist more vulnerable to habitat degradation?	159
12:00	MALVIYA MANJARI ET AL.	Too stressed to progress: examining the role of anthropogenic disturbance induced stress on breeding status of two reintroduced tiger populations in India	123
12:15	HERTEL ANNE ET AL.	The effect of hunting on circadian activity patterns and the trade-off between foraging and security	88
12:30	***Lunch*** (CANTEEN)		

Tuesday, September 29th, 2015, venue: BfR

Conservation biology (MAIN LECTURE HALL)

Plenary talk

Chair: PAINER JOHANNA

			Abstract page
13:30	**DIETZ JAMES M** MICKELBERG JENNIFER	**The science that drives conservation of golden lion tamarins**	6

Conservation biology (MAIN LECTURE HALL)

Chair: DIETZ JAMES M, PAINER JOHANNA, KRETZSCHMAR PETRA

14:30	MARESCOT LUCILE ET AL.	Indirect effects of recovering wolves on a hunted puma population in the Southern Yellowstone ecosystem	124
14:45	LYNSDALE CARLY ET AL.	Individual variation in parasite burden in a population of semi-captive Asian elephants *Elephas maximus*	121
15:00	WINGRAVE TOM ET AL.	Socio-economic and ecological correlates of African antelope conservation status	203
15:15	ULLMANN WIEBKE ET AL.	Understanding animal movement behaviour in dynamic agricultural landscapes	189
15:30	KHOROZYAN IGOR ET AL.	The adaptive management framework of using collars to protect livestock from carnivore predation	102
15:45	HEINRICH SONJA K ET AL.	Cheetahs compensate for low MHC variability with a strong innate immune system	84

16:00 ***Coffee break & poster session*** (FOYER & GALLERY)

Posters: Conservation biology, Ecophysiology of wildlife, Stress & disturbance, Urban wildlife ecology

Tuesday, September 29th, 2015, venue: BfR

Parallel session III: Conservation (MAIN LECTURE HALL)

Session organisers: HERBINGER ILKA, EAST MARION L

16:30	HERBINGER ILKA, LEENDERTZ FABIAN	Prevention of infectious diseases in flagship species and humans by health surveillance	16
17:00	BRANDLOVÁ KAROLÍNA ET AL.	Social structure, activity and population density of the largest antelope, the Eastern Derby eland (*Taurotragus derbianus gigas*) in the Chinko / Mbari Drainage Basin, Central African Republic	37
17:15	STOMMEL CLAUDIA ET AL.	Water scarcity in Ruaha National Park and the response of larger mammals	184
17:30	KALUMANGA ELIKANA ET AL.	Home ranges of African elephants in relation to former and existing land uses in Ugalla landscape, Western Tanzania	96
17:45	LAH LJERKA ET AL.	Implications of genome-wide SNP analyses for harbour porpoise conservation in the Baltic Sea	113
18:00	***Break*** (GALLERY)		
18:15	MATHAI JOHN ET AL.	Understanding Borneo's elusive Hose's civet – factors determining fine-scale occupancy and refuge identification using climate and land-cover change projections	127
18:30	ERINJERY JOSEPH ET AL.	Drastic population decline in 'least-concerned' bonnet macaques around Mysore, India: a quarter century survey analysis	65
18:45	GHODDOUSI ARASH ET AL.	Effects of poaching deterrence around ranger stations on predator and prey abundance in steppes of northeastern Iran	79
19:00	KRETZSCHMAR PETRA	The conservation history of the Sumatran rhino (*Dicerorhinus sumatrensis*) - a story of success?	109
19:30 - 21:30	***Poster & Pasta Party*** (FOYER & GALLERY)		

Tuesday, September 29th, 2015, venue: BfR

Parallel session IV: Ecophysiology of wildlife (SEMINAR ROOM)

Session organisers: HELDMAIER GERHARD, ORTMANN SYLVIA, VOIGT CHRISTIAN C

			Abstract page
16:30	HELDMAIER GERHARD	Hibernation and torpor – mammalian life in the slow lane	18
17:10	SIUTZ CARINA MILLESI EVA	Unique sex differences in hibernation patterns in free-ranging common hamsters	178
17:25	WEISE ELISABETH ET AL., presenting author: VOIGT CHRISTIAN C	Selective use of saturated and unsaturated fatty acids in hibernating common noctule bats, *Nyctalus noctula*	200
17:40	***Break*** (GALLERY)		
17:50	RIMBACH REBECCA ET AL.	Gain or lose - relationship between resting metabolic rate and changes in body mass in the African striped mouse	163
18:05	MAILLE AUDREY ET AL.	Ecophysiology of cognition in free-living African striped mice (*Rhabdomys pumilio*)	122
18:20	CANU ANTONIO ET AL.	Influence of environmental and social factors on wild boar conception date	41
18:35	HEJCMANOVÁ PAVLA ET AL.	Seasonal dynamics of resource partitioning of large herbivores' diet in semi-arid and sub-humid African savanna	86
18:50	LINDECKE OLIVER ET AL.	The role of polarised skylight for calibration of the compass system in bats	118
19:05	SNIJDERS LYSANNE	Negative effects of transmitters can be context-dependent	179
19:30 - 21:30	***Poster & Pasta Party*** (FOYER & GALLERY)		

Wednesday, September 30th, 2015, venue: BfR			
08:00 - 19:00	**Registration** (REGISTRATION DESK, FOYER) Submission of PowerPoint presentations (CONFERENCE OFFICE)		
Reproduction biology (MAIN LECTURE HALL) **Plenary talk** **Chair: JEWGENOW KATARINA, SCHRÖTER FILIP**			**Abstract page**
09:00	**KOUBA ANDREW J**	**Why is the "ARK" losing its passengers prior to disembarking? A review of successes and challenges ahead for reproductive sustainability in the modern zoo**	7
Reproduction biology (MAIN LECTURE HALL) **Chair: KOUBA ANDREW, SCHRÖTER FILIP**			
10:00	VANCE CARRIE ET AL.	Near infrared spectroscopy for monitoring reproductive status in the snow leopard and the giant panda	190
10:15	NAIDENKO SERGEY ET AL.	Effect of mating system on reproductive success in felids	139
10:30	***Coffee break & poster session*** (FOYER & GALLERY)		
11:00	AMELKINA OLGA ET AL.	Apoptosis-related factors in the luteal phase of Iberian lynx (*Lynx pardinus*) and Eurasian lynx (*Lynx lynx*): what rescues the *corpus luteum* from its regression?	24
11:15	ZSCHOCKELT LINA ET AL.	Comparative characterisation of steroid and prostaglandin biosynthesis pathways in *corpora lutea* of felid species	208
11:30	MORHART MICHAELA ET AL.	Pup survival in captive naked mole-rat colonies	137
11:45	***Lunch*** (CANTEEN) ***& Poster session*** (Gallery)		

Wednesday, September 30th, 2015, venue: BfR

Conservation genetics (MAIN LECTURE HALL)
Plenary talk
Chair: FICKEL JÖRNS, MARTINS RENATA

			Abstract page
12:45	**ORLANDO LUDOVIC**	**Ancient DNA informed conservation**	8

Conservation genetics (MAIN LECTURE HALL)
Chair: ORLANDO LUDOVIC, MARTINS RENATA

			Abstract page
13:45	WĘCEK KAROLINA ET AL.	The first genomic data from modern and archival European bisons shed new light on their restitution	198
14:00	MARMESAT ELENA ET AL., presenting author: GODOY JOSÉ A	Low MHC diversity in bottlenecked Eurasian and Iberian lynx populations indicates no counteracting effect of balancing selection on genetic drift	125
14:15	***Break*** (GALLERY)		
14:45	MISHRA SUDHANSHU ET AL.	Genetic status and detecting poaching hotspots for Bengal tigers in India: implication for better conservation	132
15:00	BRUNKE JENNIFER ET AL.	Down by the river – phylogeographical structure of Bornean small mammals in a fragmented landscape	39
15:15	KOPP GISELA H ET AL.	Genetic clines in a small world – gene flow in West African baboons	108
15:30	PSHENICHNIKOVA OLESYA ET AL.	Trans-pacific population differentiation in whiskered auklet (*Aethia pymaea*): do nocturnal and diurnal colonies differ in genetic and morphometric variables?	156
15:45	SCHRÖDER OSKAR ET AL.	Are hunters' fears justified concerning hybridisation between European mouflon and domestic sheep?	170
16:00	***Coffee break & poster session*** (FOYER & GALLERY) Posters: Behavioural ecology, Behavioural rhythms, Conservation genetics, Reproduction biology		

Wednesday, September 30th, 2015, venue: BfR

Parallel session V: Hybridisation capture - challenges and solutions
(MAIN LECTURE HALL)

Session organisers: MORIN PHILLIP A, FÖRSTER DANIEL W, FICKEL JÖRNS

			Abstract page
16:30	MORIN PHILLIP A	The evolution of capture enrichment methods and application to conservation genetics of whales and dolphins	19
17:15	PAIJMANS JOHANNA ET AL.	Impact of enrichment conditions on cross-species capture of fresh and degraded DNA	146
17:30	HELSEN PHILIPPE	Targeting complete mitochondrial genomes in non-model species: hybridising the death to the living to enrich conservation	87
17:45	PATEL RIDDHI P ET AL.	Young and colourful: evolutionary history of the Asiatic golden cat	148
18:00	WILTING ANDREAS ET AL.	iDNA from terrestrial haemophagous leeches as a wildlife surveying and monitoring tool – methods, costs, reliability and analytical challenges	202
18:15	WEYRICH ALEXANDRA ET AL.	Paternal epigenetic adaptation to heat exposure in male wild guinea pigs	201
19:00	***Departure to banquet venue*** (meet at BfR entrance)		
20:00 - 23:00	***Conference banquet*** (location: Biosphere Potsdam, Georg-Hermann-Allee 99, 14469 Potsdam)		

Wednesday, September 30th, 2015, venue: BfR

Parallel session VI: Behavioural rhythms (SEMINAR ROOM)

Session organisers: HUT ROELOF A, BERGER ANNE

			Abstract page
16:30	HUT ROELOF A	The flexible chronotype: energy balance and predation risk determine circadian phase of entrainment	20
17:00	PUTILOV ARCADY	Social synchronisation of the ultradian behavioural cycles in northern red-backed vole	158
17:20	YACHMENNIKOVA ANNA A, KORENKOVA ANNA A	Hidden T-patterns shows the structure of play behaviour development during ontogenesis – investigation of play behaviour of fox cubs (*Vulpes vulpes*) in the wild	206
17:40	HEIM OLGA ET AL.	Seasonal activity patterns of European bats in an anthropogenic landscape	83
18:00		Poster presentations (One minute per poster)	
18:10		Panel discussion	
19:00	***Departure to banquet venue*** (meet at BfR entrance)		
20:00 - 23:00	***Conference banquet*** (location: Biosphere Potsdam, Georg-Hermann-Allee 99, 14469 Potsdam)		

Thursday, October 1st, 2015, venue: BfR

08:00 – 11:00	**Registration** (REGISTRATION DESK, FOYER)
13:30 – 15:00	**Removal of posters**
14:30 – 16:30	**Guided visit to Zoo Berlin** (meet 13:45 at BfR entrance)

Behavioural ecology (main lecture hall)
Plenary talk
Chair: COURTIOL ALEXANDRE

			Abstract page
09:00	**HUCHARD ELISE**	The evolution of infanticide in mammalian societies	9

Behavioural ecology (MAIN LECTURE HALL)
Chair: HUCHARD ELISE, COURTIOL ALEXANDRE

10:00	BRAGA GONCALVES INES ET AL.	Socially induced flexibility in vocal production in wild meerkats	36
10:15	KAPPELER PETER ET AL.	Sexual selection vs. ecology: loss of sexual size dimorphism in non-volant mammals of Madagascar	97
10:30	***Coffee break & poster session*** (FOYER & GALLERY)		
11:00	FRANZ MATHIAS ET AL.	Female chimpanzees queue for social status	72
11:15	MORTEGA KIM G ET AL.	Partitioning the effects of allochronic and geographic reproductive isolation in an African songbird	138
11:30	SPRINGER ANDREA ET AL.	Sociality shapes inter-group transmission of *Escherichia coli* in a group-living wild primate, Verreaux's sifaka	182
11:45	SIPARI SAANA ET AL.	Population sex-ratio affecting behaviour and physiology of overwintering bank voles (*Myodes glareolus*)	177
12:00	TIAN JUNDONG ET AL., presenting author: CZIRJÁK GÁBOR ÁRPÁD	Colonisation history shaped the immunity of the western house mouse	187
12:15	ENGELHARDT ANTJE	Post-copulatory selection in primates: eventuality, evidence and prospects for studies	64
12:30	***Poster Award & Closing session*** (MAIN LECTURE HALL)		
12:45	***Lunch*** (CANTEEN)		
13:30	***Departure to guided visit in the Zoo Berlin***		
14:30 - 16:30	***Guided visit Zoo Berlin***		

Posters

Board no	Behavioural ecology		Abstract page
001	AKYAZI IBRAHIM ET AL.	Ethological investigation of livestock guarding behaviours of Kangal dogs	22
002	BAOTIC ANTON ET AL.	Humming vocalisations in captive giraffes	27
003	BIOLATTI CRISTINA ET AL.	Behavioural analysis of Patagonian mara (*Dolichotis patagonum*) under different zoo managements: preliminary results	31
004	BRANDLOVÁ KAROLÍNA ET AL.	Stealing young and reciprocal mothers: high incidence of allonursing in giraffes (*Giraffa camelopardalis*)	38
005	DAVIDIAN EVE ET AL.	Why do some males remain at home when most others disperse?	48
006	EAST MARION L ET AL.	Does lactation lead to resource allocation trade-offs in the spotted hyaena?	58
007	FRASSON DALILA, SPIEZIO CATERINA	First camera trap's photographic evidence of Western chimpanzee (*Pan troglodytes verus*) eating meat in Western Area Peninsula National Park, Sierra Leone	73
008	GALIETTA DANIELA	Parental care of white-faced marmosets: social enrichment and welfare	76
009	GONCHAROVA MARIA ET AL.	Voice-breaking in Siberian crane in relation to age and testosterone level	80
010	HARRIS SARAH	Condition and dominance-related patterns of sexual ornament growth in a lekking species	82
011	KLENOVA ANNA	Chick begging calls reflect degree of hunger rather than individual- or species specificity in auks (*Charadriiformes: Alcidae*)	104
012	KUIJPER DRIES, presenting author: SCHMIDT KRZYSZTOF	Do ungulates recognise the risk of predation from large carnivores differing with hunting modes and adjust their anti-predatory behaviour?	110
013	LAKELAND DIANA	Antipredator advantages of mixed-species grouping in plains zebra (*Equus quagga*)	115
014	LINN SABRINA, SCHEUMANN MARINA	First insights into the vocal repertoire of infant southern white rhinoceros	119
015	MENGÜLLÜOĞLU DENIZ ET AL.	Faecal marking behaviour in Eurasian lynx, *Lynx lynx*	129
016	NAIR JYOTHI	Spatial and temporal dynamics of an Indian blackbuck (*Antilope cervicapra*) lek	140
017	PAIJMANS ANNEKE	Fair sharing: incomplete parental compensation for increased brood demand does not skew the distribution of food among nest mates	145
018	ROSE PAUL E, CROFT DARREN P	Social behaviour and activity of captive Andean and James' flamingos at Zoo Berlin	165
019	ROZHNOV VIATCHESLAV V	Mother-cub interactions in tigers (*Panthera tigris altaica*): mutual changes in intensity and activity during early postnatal ontogenesis	166

020	SAFARI IGNAS	Sex-specific survival of juveniles of black and white-browed coucals: preliminary findings	167
021	SIBIRYAKOVA OLGA V	Endangered saiga antelope (*Saiga tatarica*) neonate vocalisation in the wild: encoding of distress, individuality and sex	174
022	SIKORSKA JULIA	Chimpanzees do not use the tit-for-tat strategy during token exchanging in the prosocial paradigm tasks	176
023	SZYMAŃSKA JUSTYNA	Brain functional asymmetry of chimpanzees (*Pan troglodytes*) on example of auditory laterality	186
024	VOLODIN ILYA A	Comparison of vocal anatomy and call structure in Asiatic wild dog and red fox for revealing potential sources of canid biphonation	191
025	VOLODINA ELENA V	Subspecies-specific rutting calls and male vocal activity in an Asian subspecies of red deer, *Cervus elaphus xanthopygus*	192
026	WALLNER BERNARD, MARTIN FIEDER	The dopaminergic system: selection processes in relation to the reward system in non-human primates and humans	195
027	WALTHER MARCUS, ECCARD JANA A	Effects of a hillslope on burrow characteristics of common voles (*Microtus arvalis*)	197

Board no	**Reproduction biology**		Abstract page
028	BELHOCINE MANSOURIA, GERNIGON-SPYCHALOWICZ THÉRÈSE	Immunoexpression of stromelysin 1 (MMP-3) in the male reproductive organs of the Libyan jird (*Meriones libycus*)	29
029	EDER SUSANNE ET AL.	A simple microscopic method to analyse sperm membrane integrity and mitochondrial activity	60
030	EFREMOVA KSENIYA O ET AL.	The ontogeny of the vocal apparatus in male and female goitred gazelle (*Gazella subgutturosa*)	61
031	FIÚZA RAFAELA ET AL.	The Sabah Rhino Breeding Programme: reproductive pathology and its clinical implications in wild-caught Sumatran rhinoceroses	70
032	JAKOP ULRIKE ET AL.	Body mass index and lysolipid accumulation in spermatozoa of African lions and men	91
033	KASBERG JOHANNA ET AL.	Preliminary results on transrectal ultrasonography of the male reproductive tract and semen characteristics in African lions (*Panthera leo*)	98
034	KLOSE VICTORIA ET AL.	Luteinising hormone/choriogonadotropin receptor (LHCGR) isoforms in feline *corpora lutea*	105
035	PRIBBENOW SUSANNE ET AL.	Faecal testosterone metabolites as indicator of testicular activity in male cheetahs (*Acinonyx jubatus*)	153

Board no	Conservation biology		Abstract page
036	BLIDCHENKO EKATERINA Y ET AL., presenting author: YACHMENNIKOVA ANNA A	Analysis of changes in social contacts of orphaned tiger cubs (*Panthera tigris altaica*) within the first year during rehabilitation	33
037	DIANGHA MERCY ET AL.	Deng Deng National Park as a potential habitat for forest elephant (*Loxodonta cyclotis*) and buffalo (*Syncerus caffer nanus*)	49
038	FOLKERTSMA REMCO ET AL.	Searching for signatures of genetic adaptation to climate variables in a microtine mammal	71
039	HEINRICH SONJA K ET AL.	Constitutive innate immune responses of six sympatric African carnivores	85
040	LESNIAK INES ET AL.	Endoparasite diversity in free-ranging wolves (*Canis lupus*) from Germany	116
041	MOHAMED AZLAN ET AL., presenting author: WILTING ANDREAS	A nested camera-trapping study design to account for extreme heterogeneity in detectability	134
042	NIEDBALLA JÜRGEN ET AL.	camtrapR: an R package for efficient camera trap data management	142
043	PRÜTER HANNA ET AL, presenting author: CZIRJÁK GÁBOR ÁRPÁD	Endoparasites and immunity of native and invasive water birds in Germany	155
044	RDUCH VERA	Where, what and when? – The coexistence of puku (*Kobus vardonii*) and impala (*Aepyceros melampus*) in Zambia	162
045	RÖLEKE MANUEL ET AL.	Movements of common noctule bats in relation to wind turbines in an anthropogenic landscape	164

Board no	Conservation genetics		Abstract page
46	ALFANO NICCOLO	Episodic diversifying selection shaped the genomes of gibbon ape leukemia virus and related gamma-retroviruses	23
47	BASSI ELENA ET AL., presenting author: CANU ANTONIO	Wolves and wolf/dog hybrids: a first insight on their food habits in a mountain area of central Italy	28
48	BIOSA DANIELA ET AL., presenting author: SCANDURA MASSIMO	Genetic admixture in Italian roe deer: native variation threatened by translocations in central Italy	32
49	BURKHARDT LISA-MARIE ET AL.	Genetic analysis of Anatolian brown bears	40
50	ČERNÁ BOLFÍKOVÁ BARBORA ET AL.	Conservation genetics of the Western Derby eland (*Taurotragus derbianus derbianus*) in Senegal: integration of pedigree and microsatellite data	45
51	ČERNÁ BOLFÍKOVÁ BARBORA ET AL.	Hedgehog as an island invader: a genetic perspective	46
52	DRYGALA FRANK ET AL.	Inference of the European population genetic structure of the invasive raccoon dog	55
53	EBERT CORNELIA ET AL.	Evaluating seasonal migration of red deer via genotyping – a pilot study in an alpine forest	59
54	GAROFALO LUISA ET AL.	Molecular species identification in wildlife crimes: not so universal, after all – different caseworks require alternative DNA-based strategies	77
55	GAROFALO LUISA ET AL.	Phylogeny and conservation of hangul, an endangered red deer (Cervidae, *Cervus*) population from the Indian Kashmir	78
56	IVANOVA ANASTASIA D ET AL.	Borders of the ranges of *Spermophilus erythrogenys* and *S. pygmaeus* in Kazakhstan according to sequencing data for the control region of mtDNA and sixth intron of P53 gene	90
57	JIMENEZ-MENA BELEN ET AL.	Pedigree analysis for the genetic management of group-living species	93
58	KOHNEN ANNETTE, WÜRSTLIN SANDRA	Individual movement and kinship analysis of fragmented capercaillie (*Tetrao urogallus*) populations in the Black Forest	106
59	KOPARDE PANKAJ ET AL.	Genetic affinities and past climate distribution of a critically endangered owl from India	107
60	LIPIŃSKI DANIEL ET AL.	Sequencing and characterisation of the mitochondrial genome of mus-kox (*Ovibos moschatus*)	120
61	MARTINS RENATA ET AL.	Mitogenome data from archival samples help solving the species boundaries of red muntjacs	126
62	MAUSBACH JELENA ET AL.	Population genetics of lions and leopards in the Kalahari, Botswana	128
63	MODESTO PAOLA ET AL.	Parentage analysis on a colony of African penguin (*Spheniscus demersus*) hosted in an Italian biopark	133
64	OLEŃSKI KAMIL ET AL., presenting author: KAMIŃSKI STANISŁAW	'Interrogating' the genome of free-living male European bison (*Bison bonasus*) of the Bialowieza National Park (Poland) to find the causative factor for *posthitis*	143

65	PENALOZA FERNANDO, WILTING ANDREAS	Phylogenetic assignment of metabarcoding data	150
66	RAMOS LUANA ET AL.	Assessing hybridisation between wildcat and domestic cat in Iberian Peninsula	160
67	SOROKIN PAVEL ET AL.	Genetic diversity of Pallas' cat (*Otocolobus manul*) group in Daurskiy reserve	181
68	STRASBURG JARED ET AL.	Population genetic assessment of regionally threatened wolf and moose populations in the northern USA	185
69	TIESMEYER ANNIKA ET AL.	Low rate of hybridisation between wildcats and domestic cats in Germany - evidence from microsatellites and SNP markers	188
70	VON THADEN ALINA ET AL.	Investigating the genetic population structure of wolves and wildcats in Central Europe – a SNP based comparison between historic and recent samples	194
71	WIRTZ SARAH, HOCHKIRCH AXEL	Genetic diversity in the *ex situ* population of the northern bald ibis – choosing suitable individuals for a reintroduction	204
72	WUTKE SASKIA ET AL.	Tracing the DMRT3 'Gait keeper' mutation in ancient horses	205
73	ZEYLAND JOANNA ET AL.	Sequencing and characterisation of the mitochondrial genome of the fennec fox (*Vulpes zerda*)	207

Board no	**Stress & disturbance**		Abstract page
74	AKYAZI IBRAHIM, ERASLAN EVREN	Transmission of stress between cagemates: a study in rats	21
75	BIOLATTI CRISTINA ET AL.	Behavioural analysis of blue-and-yellow macaw (*Ara ararauna*) under different zoo managements	30
76	DAVIDIAN EVE ET AL. presenting author: BENHAIEM SARAH	Determining hormone metabolite concentrations when enzyme immunoassay accuracy varies over time	47
77	FERREIRA SUSANA ET AL.	Resource allocation trade-offs in spotted hyena juveniles	69
78	NEMETH MATTHIAS ET AL.	Non-invasive cortisol measurements as indicators of physiological stress responses in guinea pigs – the importance of timing sample collections	141
79	PAINER JOHANNA ET AL.	Morphometric, ultrasonographical measurements on adrenal glands as potential in-vivo indicator for chronic stress	147
80	PODTURKIN ALEKSEI, FEDOROVICH ELENA	Effects of animal painting enrichment on the levels of social interaction in orangutans	152
81	SANDERS HEATHER ET AL.	Who is more stressed? Causes and consequences of social stress	168
82	SELTMANN ANNE ET AL.	Does anthropogenic disturbance of habitats promote the chance of transmission of viruses?	172
83	SOOTH FARINA, STORCH ILSE	Disturbance susceptibility of grouse: assessing the role of hunting	180

Board no	Behavioural rhythms		Abstract page
84	BOGDASZEWSKI PAWEŁ ET AL.	Stress as a factor stimulating premature velvet shedding of farmed fallow deer	34
85	DOMINCHIN MARÍA FLORENCIA ET AL., presenting author: BUSSO JUAN MANUEL	Non-invasive assessment of social interaction effects on the adrenal and gonadal endocrine activity during photorefraction in male Japanese quail exposed to short days	52
86	EGUIZÁBAL GABINA VICTORIA ET AL., presenting author: BUSSO JUAN MANUEL	Behavioural pattern of zoo-housed collared ant-eaters (*Tamandua tetradactyla*) exposed to natural photoperiod and temperature variation	62
87	JŮNEK TOMÁŠ ET AL., presenting author: HEJCMANOVÁ PAVLA	Estimation of Derby eland seasonal activity levels from camera-trapping data: a novel insight into the animal ecology	95
88	JANISZEWSKI PAWEŁ ET AL.	Suckling behaviour of farmed fallow deer	92

Board no	Urban wildlife ecology		Abstract page
89	KIMMIG SOPHIA ET AL.	Urban ecology Berlin – ecology of the red fox (*Vulpes vulpes*) in urban ecosystems	103
90	MERLING DE CHAPA MANUELA ET AL.	Costs of living in the city – comparing the evolutionary adaptation of urban and rural goshawks (*Accipiter gentilis*) to parasites	130
91	MÖHRLE REBECCA ET AL.	Evaluation of methods for detecting hedgehogs in an urban area	135
92	PIENIĄŻEK AGNIESZKA	Mice in a big city: anthropopressure gradient and interspecific relationships	151

Board no	Ecophysiology of wildlife		Abstract page
93	BOUFERMES RADIA ET AL.	Seasonal variation of testicular luteinising hormone receptor (Lhcgr) mRNA expression, correlated to testis and seminal vesicles weights and testosterone levels in adult male desert rodent: the Libyan jird (*Meriones libycus*)	35
94	CATTET MARC ET AL.	Innovative approaches to detecting impaired health in wild animals facing human-caused environmental change: illustrations with brown bears (*Ursus arctos*)	43
95	DUKOWICZ AGATA, TROJAN MACIEJ	Brachiation in yellow-cheeked gibbon (*Nomascus gabriellae*) as an example of motor lateralisation	57
96	FANDOS ESTERUELAS NURIA ET AL.	Effects of capture, handling, and surgery on body condition in Scandinavian brown bears (*Ursus arctos*): evaluation of the long-term effects of a research project	66
97	FRIGERIO DIDONE ET AL.	Non-invasive assessment of excreted metabolites of the “dark hormone” melatonin in domestic geese	74
98	KÜKER SUSANNE ET AL.	Blood reference intervals and investigation of the LCC-method as a potential tool for validating short term stressors on free-ranging roe deer (*Capreolus capreolus*) in Sweden	111