

Monday 14 August - Morning

	Y-O-111	Lecture Hall 1	Lecture Hall 2	Lecture Hall 3	Lecture Hall 4	Lecture Hall 5	Lecture Hall 7	Lecture Hall 9	Lecture Hall 10	Lecture hall 11
08:30-08:58	Opening ceremony									
09:00-09:55	Plenary talk Gloriana Chaverri									
10:00-10:08		General session Cognition (part 1)	General session Host-parasite Interactions & parasites	General session Sociality (part 1)	Symposium B Insect behavioural ecology: Insights from lab and field (part 1)	General session Animal personality (part 1)	General session Sexual selection	Symposium H The welfare and behaviour of wild animals	Symposium S The sixth sense - ethology of magnetic orientation	Symposium I The effects of early-social environments on behaviour, neurodevelopment
		Chair: Erica van de Waal	Chair: Jamie Winternitz	Chair: Piuli Shit	Chair: Julia Balogh	Chair: Jules Petit	Chair: David Shuker	Chair: Vittoria Elliott	Chair: Pascal Malkemper	Chair: Diogo Antunes
10:10-10:28		Mathieu Legrand Influence of social tolerance in macaques' spatiotemporal grooming dynamics	Hannah Scharf Sexual size dimorphism of brood parasites does not affect host survival, size, or fledging phenology	Santiago Meneses Emergent Energetic Regulation in Dynamic Biological Networks	Natalie Hempel de Ibarra How vision guides foraging in small and large bees	Valeria Mazza Range expansion during recolonization: what does personality have to do with it?	Donghui Ma Environmental and social stressors drive sexual conflict in a burying beetle	Janire Castellano-Bueno The relevance of studying welfare for understanding wild animal behaviour	Rachel Muhelm Light-dependent magnetoreception in birds – from behaviour to receptors	Barbara Taborsky A positive feedback loop between sociality and social competence
10:30-10:48		Veera Riihonen Young horses with limited human experience follow human gaze around a barrier	Nadine Müller-Klein Alloparental care in tuberculosis susceptibility and progression in wild meerkats	Jon Andreja Nuotclä Alloparental care in ambrosia beetles depends on eclosure timing of helpers and brood care demands of larvae		Anushka Herath Intraspecific behaviour variation of a generalist herbivore: associations between animal personality, individual dietary specialisation ...	Dustin Penn Male courtship vocalizations predict mating success in wild house mice	Agnishikhe Munipapa Reddy Ashok Kumar The effect of season and dominance hierarchy on strategic interaction among birds in mixed-species aggregation		
10:48-11:20	Coffee break									
11:20-11:38		Desiree Brucks Assessing object permanence and sensitivity to human social cues in domestic cattle	Zimal Li Behavioural individuality determines infection risk in clonal ant colonies	Helders Hugo Social fluid exchange and metabolic division of labour in social insects	Scarlett Howard Flower preferences in a native halictid bee differs between field and lab-based experiments	Max Mühlenhaupt The bright, the bold, the toxic? Investigating animal personality in fire salamanders	Léa Daupagne Form-assortative mating and sneaking behaviours between parasitic and non-parasitic populations of Arctic lamprey (<i>Lethenteron</i>)	Pablo Capilla-Lasheras Welfare implications and sources of variation in the gut microbiome of urban and non-urban birds	Michael Winkhofer Magnetoreception in fish	Tommaso Sacca How does the social environment and personality impact foraging skills in meerkat pups: a developmental approach
11:40-11:58		Mathilde Delacoux Collective gaze following in pigeons (<i>Columba livia</i>)	Lauren Common Rapid change in parasitic avian vampire fly reproductive behaviour after invasion	Bastien Meunier Social factors drive exchanges in red-capped mangabeys (<i>Cercocebus torquatus</i>)	Cecylia Watrobska Potential costs of learning have no impact on reproductive success for bumblebees	Gaoyang Yu Territorial aggressiveness of female and male blue tits is repeatable and responses toward male and female intruders are correlated	Tolulope Babelola Mating Pool Return Rates and Direction of Mating Competition in a Role Reversed Dance Fly	Michaël Beaulieu Complementing behavioural assessments of welfare in the wild with physiological approaches		Samuel Morris Does mother know best? Effects of maternal social environment and phenotype on the competitive ability of female offspring
12:00-12:18		Sota Inoue Gaze in the Wild: Aerial filming reveals social attention network in a wild primate troop	Shatabdi Paul Are there more parasites in tropics? Latitudinal variation of water mite infection in damselflies	Eduardo Ottoni Capuchin monkeys' Socially Biased Learning and behavioural traditions - what I think we know by now.	Gomez Ramirez Do bumble bees have preferred floral smells?	Johannes Ploderer That's bold: consistency across contexts in two personality traits in Galapagos short-eared owls	Kees Wanders Polygamy enhances purifying selection in Birds	Vittoria Elliott Framing behaviour and collective experiences: welfare, stress and behaviour in wild animals		Will Swaney Developmental and transgenerational effects on behaviour and brain in zebrafish
12:20-12:38				Bas van Boekholt Organized to learn: the influence of social structure on social learning opportunities in a group	DI Pietro Adaptive builders: the self-organized nest architecture switches of stingless bees	Heike Lahusen Just keep moving? Long-term temporal stability of locomotor activity and exploratory tendencies in captive grey mouse lemurs (<i>Microcebus murinus</i>)	Timo Thünken Impact of multigenerational inbreeding on sexual selection in a cichlid fish	Interactive discussion How can welfare help us study animal behaviour? Facilitated by the symposium organizers		Rahla Mashoodh Parental care shapes the evolution of molecular genetic variation
12:40-12:58				Mike Webster Social learning in non-grouping fish	Christoph Grueter Behavioural and morphological drivers of foraging ranges in bees					Marie Barou-Dagues Effect of social instability during adolescence on juvenile physiology, personality, cognitive performances in a monogamous bird species
13:00-14:00	Lunch break									

Monday 14 August - Afternoon

	Y-0-111	Lecture Hall 1	Lecture Hall 2	Lecture Hall 3	Lecture Hall 4	Lecture Hall 5	Lecture Hall 7	Lecture Hall 9	Lecture Hall 10	Lecture hall 11
14:00-14:55	Plenary talk Devi Stuart-Fox									
15:00-15:08		General session Hormones Chair: Baptiste Sadoughi	Symposium AK Social learning and culture Chair: Amelie Wein	General session Sociality (part 2) Chair: Irene Godoy	General session Behavioural ecology (part 1) Chair: Barbara Caspers	General session Individualisation (part 1) Chair: Ane Liv Berthelsen	General session Communication (part 1) Chair: Martina Nagy	Symposium R Socially transferred materials: complex behaviors uniting molecular biology ... Chair: Adria LeBoeuf	symposium G From the countryside to the city: cognitive and behavioral variation across ... Chair: Michela Corsini	Symposium AI More than a feeling: what behaviour can tell us about animal welfare Chair: Sara Sequeira
15:10-15:28		Ludek Bartos The effects of challenge or social buffering on cortisol and testosterone in red deer (<i>Cervus elaphus</i>) males	Andrew Whiten The burgeoning reach of animal culture: an overview and update	Andreas Berghänel How socially tolerant are free-ranging dogs?	Paul Nührenberg Breaking the social feedback loop – investigating social interactions using playback experiments with virtual fish	Svenja Stoehr Development of Individualized Foraging Behaviour in an Endangered Marine Predator	Alexandra Pruchova Breeding density influences vocal activity and vocal individuality in territorial calls of little owls (<i>Athene noctua</i>)	Adria LeBoeuf The evolution of socially transferred materials over independent gains of a social transfer behavior	Sofia Forss Learning to adapt or exaptation? Are urban environments cognitively demanding for successful invaders?	Jean-Loup Rault The power of a positive human-animal relationship for animal welfare
15:30-15:48		Stefan Fischer How to cope with stressors: Experimental test of the influence of nutritional state and duration of the stress axis on behavioural flexibility ...		Glulla Cimarelli Does explorative behaviour towards a novel object predict human-directed sociality in free-ranging dogs puppies and adults?	Berta Roura-Torres Variation in mother-offspring relationships and its determinants in mandrills (<i>Mandrillus sphinx</i>)	Malavika Madhavan Vocal individuality in owls – a literature review and comparative approach	Hugo Loning The social context of zebra finch song in the wild			Lisa Collins Through algorithmic eyes – AI and understanding animal affective state
15:48-16:20	Coffee break									
16:20-16:38		Britta Walkenhorst Mother's little helpers: the effect of maternal androgens on vocal ontogeny and developmental flexibility in the cooperatively breeding	Claudio Tenille A new framework for social learning based on the type of information that is transmitted	Gwendolyn Wirobski Human-canid relationships: what changed from "wild" wolf to "docile" dog?	Shivani Shivani Is there an optimal group size for female Assamese macaques?	Sonia Kleindorfer Greylag goose faces! Individual differences confirmed with software and behavioural tests	Stephen Tyndel Social mechanisms behind group-level vocal signatures in cockatiels (<i>Nymphicus hollandicus</i>)	Joris Koene Socially transferred materials in the context of reproductive diversity	Scarlett Howard Pollinating the urban jungle: The behaviour of native bees across urban gradients	María J. Cabrera-Álvarez A behavioural and physiological approach for the study of welfare in seabream broodstock exposed to environmental enrichment
16:40-16:58		Leveda Cheng Oxytocin activity during between-group interactions in wild bonobos	Charlotte Canteloup Exploring social traditions in wild vervet monkeys	Awani Bapat Social context of object-handling behaviour in free-flying ravens (<i>Corvus corax</i>)	Alexandros Vezyrakis Uncovering the Innovators: The interplay between personality, social structure and problem-solving behaviour in wild house mice	Andrew Katsis Exploration behavior differs between Darwin's finch species and predicts both territorial aggressiveness and breeding success	Mary Elson Talk to me, don't sing at me: Relative importance of calls and song for pair bond formation and maintenance?		Isabel Damas-Moreira Detouring urbanization: do lizards have enhanced cognitive skills in cities?	Paul Chen Assessing the sociality of shelter cats towards humans using both a criterion-based and in-cage behavioural monitoring approach
17:00-17:18		Tristram Wyatt 'Putative Human pheromones' - a cautionary tale	Djordje Markovic A conformity-diversity spectrum in social animals can emerge from joint ecological and cognitive effects	Claudia Zelträg Differential responses to con- and allospecific visual cues in juvenile ravens (<i>Corvus corax</i>): The ontogeny of gaze following and social predictions	Robin Morrison Cumulative early life adversity does not predict reduced adult longevity or weaker adult social relationships in wild gorillas	Thomas Rejsenhus Jensen Knowing a fellow by their bellow: Acoustic individuality in the bellows of the American alligator	Pietro D'Amello Description of vocalizations and vocal interactions of a cooperatively breeding passerine using on-board microphones	Jennifer L. Stynowski Do mother strawberry poison frogs supplement nutritive eggs with secretory provisioning?	Lindsey Ellington Motivational cognitive traits in semi-urban vervet monkeys	Martine Hausberger Acoustic signals of positive emotions in horses
17:20-17:38		Marie Hebert Variation in plasma sex steroids through courtship and nest building in an opportunistic breeder, the zebra finch <i>Taeniopygia guttata</i>	Alice Bridges Cultural cognition in bumblebees	Kyriacos Kareklas Evolutionarily conserved mechanisms of fear contagion in zebrafish	Sabine Kraus Family matters: Short- and long-term fitness effects of early social environment in the cavy	Tom Ratz When size matters: smaller crickets are more responsive to their social environment	Camille Le Gal Intra- and inter-individual variations of signals used by female canaries (<i>Serinus canaria</i>) in response to male songs	Alexandra Childs Extended nursing in Galapagos sea lions	Camille Troisi Stopping behaviour: in two gull species: factors influencing how individuals respond to changes in their environment	Emma Hvidtfeldt Jensen Importance of motherhood: The strength of dairy cows' motivation to access their calf in different cow-calf contact systems
17:40-17:58			Friederike Range Wolf and dog differences in social learning			Manisha Koneru Individual Behavioural and Colour Variation in Decapods	Tiffany Volle Male black redstarts, <i>Phoenicurus ochrura</i> , react more aggressively to songs of local versus foreign micro-dialects	Abel Bernadou Use and investment in metapleural gland secretions in a clonal ant		Janja Slovnik Long-term welfare benefits of raising chicks with artificial substitutes of mother-hens
18:00-21:00	Social events: (1) Bioacoustics Networking Event at 18:00 in front of lecture hall 1; (2) Writing papers hasn't stopped the climate and ecological crises: Scientist Rebellion introduction and networking event at 18:15 in lecture hall 7; (3) Science Speed "Dating" at 18:15 in the main hall in front of the Westend cafeteria									

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09:00-09:55	Plenary talk Melissa Bateson									
10:00-10:08		General session Cognition (part 2) Chair: Maelan Tomasek	Symposium W Caring about others: Evidence for empathy in animals (part 1) Chair: Liza Moscovice	General session Parental care (part 1)	Symposium B Insect behavioural ecology: Insights from lab and field (part 2) Chair: Julia Balogh	General session Movement and dispersal	General session Communication (part 2)	Symposium F Consequences of citizens' behaviour on the welfare of wild animals Chair: Marion Chatelain	Symposium E The challenges of assessing behaviour and welfare in unfamiliar species Chair: Dana Campbell, María J. Cabrera-Álvarez	Symposium X Brain and behaviour: recent paradigms in ethological research Chair: Chayan Munshi
10:10-10:28		Sara Chaffari Patterns of problem-solving among free-ranging infant Barbary macaques (<i>Macaca sylvanus</i>) in different settings	Jessie E.C. Adriaense Challenges in comparative research: from shared emotions to empathy	Revathe Thillalkumar Dimensions of maternal behaviour in wild Sumatran orangutans	Elli Leadbeater Ecology dictates the value of memory for foraging bees	Jefferson García Loor Aggressive Darwin's Finches have smaller Home Range Size: Findings from both range restricted and widespread species	Bibiana Rojas Tadpole communication: the neglected role of visual cues	Slan Moxon Human Nature: combining behaviour-change and design to engage citizens in rewilding urban gardens	Welfare assessment of farmed aquatic species using the fair-fish database: the need for ethological and welfare studies in unexplored	Louise Evans Model-based strategy use in horses during an inhibitory control task.
10:30-10:48		Berkesné Gedal Should I ask for help or solve it by myself? - Dogs' problem solving preferences		Manuela Ferrari Testing for costs of intra-sexual competition on maternal investment	Sanni Silvasti Visual behaviour in the Common grass yellow butterfly	Tithi Paul Understanding fin strokes in manifesting zebrafish (<i>Danio rerio</i>) locomotion: a dimension towards arsenic contamination	Subhasmita Patro How do lizards talk? Role of colour and behaviour in animal communication		Nick Jones Development of a nuanced understanding of enrichment requirements for laboratory fish	Vedrana Šlipogor Unique, just like everyone else? Integrative approach to personality and learning in common marmosets (<i>Callithrix jacchus</i>)
10:48-11:20	Coffee break									
11:20-11:38		Anita Szabo Problem solving and physical cognition in two passerine species	Sacha C. Engelhardt Pro-social behaviour in rats may be adaptive	Oliver Schülke Pre- and postnatal maternal effects on various offspring traits suggest mediation via pace of life trade-offs in wild Assamese macaques	Julia Balogh Habitat conditions shape the sugar evaluation of honeybees	Elsa Perinot Energy savings during in-wake flying in free-flying Northern Bald Ibis	Laura Cuaya Dog brains can distinguish between languages	Sabrina Gurten The buzz about saving the bees: How citizens' behavior to protect and conserve bee fauna can negatively impact bee health	Lotte Pohl Where's the fish? Inferring behavioral states of an understudied demersal shark from data storage tags to improve management and	Fay Clark The Capacity for Flow State in Nonhuman Primates
11:40-11:58		Mathieu Malherbe Functional development of stick tool manipulation skills in wild western chimpanzees (<i>Pan troglodytes verus</i>)	Erik Frank Evolution of Social Wound Care in Ants: from amputations to use of antimicrobials	Marlon Charrier Prenatal maternal stress is associated with behavioural and epigenetic changes in Japanese quail	Madingley Abbs The evolutionary ecology of sibling cannibalism in the wild: putting the ecology back into kin selection theory	Emily Grouit Fission-fusion dynamics in white-nosed coatis	Tamás Faragó The effects of emotional valence and social message on dogs' reactions to the vocalisations of dogs, chimpanzees, and humans	Rebecca Rimbach Human food waste consumption and health of eastern gray squirrels (<i>Sciurus carolinensis</i>)	Marrit van der Bruggen Housefly behaviour and welfare under mass rearing for livestock feed	Chayan Munshi Initiation of autism spectrum disorder in prawns: correlation with repetitive grooming behaviour
12:00-12:18		Theresa Rössler Tool use in an introduced population of Tanimbar corellas?	Simone Plika Wound care in chimpanzees (<i>Pan troglodytes troglodytes</i>) in the wild: Insights into medical cognition and prosociality	Garrido-Priego Hopping up that creek: Movement patterns in glass frogs with and without parental care	Martino Dessart Cognitive abilities in mosquito larvae as indicators of environmental quality	Technosmart Biologging for wildlife research: a few examples from Technosmart devices	Taina Conrad Effects of silenced parents on larvae fitness in biparentally caring beetles	Joanna Sudyka Why do we need dark and wild spaces in cities? Insights from avian studies	Birgit Szabo Starting with the basics – An observational study on enclosure use during single and pair housing in the Tokay gecko (<i>Gekko gecko</i>)	Angelo Guadagno Revolutionising the methods of brain-cognition research
12:20-12:38		Elsabeth Suwandschleff Kea, bird of versatility. Kea parrots (<i>Nestor notabilis</i>) show high behavioural flexibility in solving a demonstrated sequence task	Michaela Masilkova Observation of rescue behaviour in wild boar (<i>Sus scrofa</i>)	Monli Khera High temperatures in the short- and long-term reduce offspring survival directly and indirectly (through reducing helping behaviour) in banded	David Hug Influence of climate chance and infection on thermal preferences of mosquitoes	Ahana Aurora Fernandez Maternal feedback shapes vocal practice and learning processes in the Greater sac-winged bat		Jack Shutt Garden bird feeding as a catalyst for changes in bird behaviour	Tessa Ellen Smith Welfare assessment in understudied critically endangered Amphibian species using insight from a common laboratory model.	Vanessa Penna Goncalves Exploring the Social Brain Hypothesis in huntsman spiders
12:40-12:58		Stefanie Keupp Chimpanzees evaluate conspecifics' competence in a puzzle box task	Liza R. Moscovice Let me out! A novel group-testing paradigm to explore proximate mechanisms mediating spontaneous helping in pigs		Hansani Sathara Sandukalani Daluwatta Galappathilge Developing Appropriate Methods to Estimate the Predation Pressure on Butterfly Populations	Sophle Holtz Talking Echoes: The communicative potential of functional echolocation calls in the common big-eared bat, <i>Micronycteris microtis</i>			Klara L'Herpinlere Looking beyond western science to understand wildlife	Lars Lewejohann Science of Intelligence: Mouse Lock Box
13:00-14:00	Lunch break									

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14:00-14:55	Plenary talk Michael Kasumovic									
15:00-15:08		General session Cognition (part 3) Chair: Judit Abdal	Symposium W Caring about others: Evidence for empathy in animals (part 2) Chair: Liza Moscovice	General session Predator-prey Interactions (part 1) Chair: Christopher J.	General session Behavioural ecology (part 2) Chair: Berta Roura-Torres	General session Animal personality (part 2) Chair: Ute Radespiel	General session Combined: Neurobiology & Defense Chair: Amir J. Najafabadi	Symposium AJ Approaches to Innovation and Individual learning of toolmaking Chair: William Snyder	Symposium N Integration of Behavioural Ecology and Animal Welfare Chair: Tobias Krause	Symposium V The role of density-dependent behaviour and plasticity in evolutionary dynamics Chair: Maria Molron
15:10-15:28	Matthias Aliritz Information seeking by chimpanzees navigating a virtual environment		Inbal Ben Aml Bartal Effect of social identity on neural and behavioral responses to another rats' distress	Sandra Winters Crypsis and the evolution of <i>Cepaea</i> polymorphism	Judith Janssch Pump and sway: wild primates use compliant supports as a tool to augment leaping in the canopy.	Pauline Zablocki-Thomas Personality of coppery titi monkeys: structure and similarity among pairs, influence of pair duration, offspring and speed-dating pairing	Laura Cuaya Unravelling Brain Representations of Emotional Human Faces in Dogs	Sabine Tebbich Innovative tool making: a conceptual approach	Sara Hintze Don't forget the animal - designing ecologically relevant tasks to assess animals' affective states	Melanie Dammhahn Fluctuations in density-dependent selection drive the evolution of a pace-of-life-syndrome in populations
15:30-15:48	Junyu Li Chimpanzee anticipatory behavior quantified with computer vision			Jim McLean Coevolution of predator-prey behavioural traits: how general is the life-dinner principle?	Debjeet Roy Locomotion profile in a freshwater prawn, <i>Macrobrachium lamarrei</i> : a uniqueness to study	Julia Ostner Personality trait homophily influences social bonding in Barbary macaques (<i>Macaca sylvanus</i>)	Sabine Nöbel Mate copying requires the coincidence detector Rutabaga in the mushroom bodies of <i>Drosophila melanogaster</i>		Christian Nawroth Taking a species' ecology into account in farm animal cognition research	
15:48-16:20	Coffee break									
16:20-16:38	André Gonçalves Chimpanzees' attention to images of live and dead animals: An animacy bias towards live animals?	Caroline Driscoll-Braden The communicative antecedents to rodent helping behavior		Inga Gelpel Risky business: Bats prefer courtship movements of katydid	Aurella Strauss Incubating Great Tits (<i>Parus major</i>) do not shift their active day in response to additional light at night but potentially at the cost of	Barbara Class Social competition within- and among-species: drivers of pace-of-life in wild passerine birds?	Kavitha Kannan Individual consistency and social regulation of stinging behaviour in honeybees	Sofia Forss Rearing and housing facility affect ape innovation ability	Mirjam Hollinger Feeding behaviour: The missing link between pig welfare and pig nutrition research	Anja Guenther Density-dependent effects on survival and reproduction in slow and fast house mouse personality types
16:40-16:58	Kathrin Susanne Kopp Reflected with small mirrors: self-recognition in chimpanzees across the lifespan	Zanna Clay Great apes understand but are not sympathetically aroused by others' needs: A pupillometry experiment with bonobos and chimpanzees		Carolin Dittrich Spot(s) on: larger spots are more effective against predators in an aposematic amphibian	Jullane Mallly Beyond Trapping: Uncovering the Full Spectrum of Foraging Behaviours in Bees	Matteo Beccardi Does inbreeding affect personality? A study in Japanese quail chicks	Susanne Stückler From masquerading to blending in: ontogenetic shifts in antipredator camouflage in Wallace's flying frogs	Alice Auersperg Associative tool use in the Goffin's cockatoo	Elisa Perinot Laying hens in large groups show little evidence of social affiliation in semi-commercial aviaries	Kalyani Twyman Kin selection of time travel: the social evolutionary drivers and consequences of dormancy
17:00-17:18	Esha Haldar Imitation of 'two-action' task in blue-throated macaws (<i>Ara glaucogularis</i>)	Marie Bordes The drinking fountain: investigating prosocial behaviour in pigs		Lilja Hämäläinen The protective value of different components of prey deimatic behaviour	Brebner Reframing bee communication: how do honey bees communicate multi-destination routes?	Ben Kawam Personality and Relationships in Animal Social Networks		Mark O'Hara The tool use of wild Tanimbar corella	Louis O'Neill Incorporating behavioural ecology into wildlife husbandry practices	Rutvij Kulkarni Is the fly social? - Allee effects in adult <i>Drosophila melanogaster</i>
17:20-17:38	Yuri Kawaguchi Cross-modal perception of puppies and adult conspecifics in dogs (<i>Canis familiaris</i>)	Pauline Suchin Prosocial parrots or prosocial paradigm? Blue headed macaws acted prosocial in an instrumental helping task.		Papadopoulou The self-organisation of collective escape in flocks of starlings and pigeons	Darwin Brack Indiana bats in Indiana move to southern hibernacula: Influences of climate and disease	Marko Bračić The ecology of "optimism": exploring potential consequences of judgement bias in mice		Claudio Tennie Individual vs. social learning: a false dichotomy	Sarah Ambruosi Familiarity matters: Sociability in pigs differs between familiar penmates and novel conspecifics in a Novel Peer Test	Barbara Kofler First come, first served: how competition shapes the oviposition behaviour of the Avian Vampire Fly <i>Phlebotomus dawsni</i>
17:40-17:58	Gabriella Smith Susceptibility and bio-behavioral reactions to cognitive illusions in kea (<i>Nestor notabilis</i>) and Goffin's cockatoos (<i>Cacatua goffiniana</i>)	Symposium group discussion		Yuqian Huang Adaptive significance of tail flagging behaviour in European rabbits	Cait Newport Obstacle avoidance: how a coral reef fish, <i>Rhinacanthus aculeatus</i> , uses visual cues to negotiate through a cluttered environment		William Snyder Stone toolmaking: a phylogenetic journey	Maria Vilain Rørvang Odour exploration behaviour of pigs (<i>Sus scrofa domestica</i>) points to the importance of the olfactory environment for pig welfare	Tuba Rizvi How population density shapes female preference function	
18:00-20:00	Poster session									

Wednesday 16 August - Morning

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09:00-09:55	Plenary talk Mauricio Cantor										
10:00-10:08		General session Cognition (part 4) Chair: Thomas Bugnyar	Symposium D The role of cooperation and conflicts in the evolution of animal societies (part 1) Chair: Ricardo C. Oliveira	General session Aposematism and mimicry Chair: Johanna Mappes	General session Behavioural ecology (part 3) Chair: Tobias Krause	General session Animal personality (part 3) Chair: Sabine Kraus	General session Combined: Anthropology + Parasites Chair: Anushika Herath		Symposium AD Joint evolution of dispersal and mating system in a changing world Chair: Xiang-Yi Li Richter	Symposium AB Applying animal behaviour research for wildlife conservation purposes Chair: S. L. Rasmussen	Symposium L Bioacoustics in practise - how the analysis of acoustic signalling can help Chair: Julia Jenikejew
10:10-10:28		Fel Peng Bumblebees' flower-facing behaviour during observation predicts their observational learning outcomes	Theresa Rueger Why dominant breeders accept subordinates in anemonefish societies	Allce Exnerova Birds select for accurate mimicry in ant-mimicking spiders	Arpita Ghosh Metabolic Advantages of Depression in Zebrafish (<i>Danio rerio</i>)	Tunya Chhnpilas Identification of the Personality Components present in Twenty-one Former Tourist Tigers (<i>Panthera tigris</i>)	Manon Toutain Visual attention towards animals in individuals with ASD: A scoping review and proof of concept using eye-tracking glasses		Andras Likier Diversity of mating systems and its links to population demography and dispersal	Sophie Lund Rasmussen Wildlife Conservation at a Garden Level: Robotic Lawn Mowers and European Hedgehogs	Mathilde Coutant Bioacoustics as a tool to assess health and welfare of farm animals: opportunities and limitations
10:30-10:48		Barbara Klump Where is the food? – Behavioural flexibility and seasonal variation in bin-opening culture in cockatoos		Katja Koskenpato High detectability costs can select weak warning signal strategy in chemically defended gregarious prey	Mabel Sydney Exploring the relationship between nutrition and reproduction in a model insect	Michaela Masilkova Personality under fire: Does hunting act as an artificial selection on wild boar personality?	Renate Larssen Living with humans: how animals experienced life in Viking Age Scandinavia				Sandra Döjlan Vocal indicators of affective states in farm animals
10:48-11:20	Coffee break										
11:20-11:38		Reznikova Social learning can serve as a driving mechanism for filling the missing fragments of innate complex patterns	Michael Taborsky Race, fight or share: alternative routes to success in resource competition	James Barnett Imperfect mimicry provides a salient warning and camouflage for poison frogs	Raquel Monclús The effects of individual behavioural traits on reproductive success in the spotted starling (<i>Sturnus unicolor</i>)	Xia Zhan Individual responses to capture are not predicted by among-individual risk-taking in response to predation threat	Maryane Gradito Decrease in activity following an experimental infection in pumpkinseed sunfish (<i>Lepomis gibbosus</i>)		Wolfgang Goymann Are they doomed? Female dispersal and the lack of male incubation may push isolated whinchat populations over the edge	Anna Kersten Behavioural response of coastal breeding birds to drone-based surveys of their colonies	Philipp Heseker Detecting pig screams – using animal vocalization for monitoring tail biting events
11:40-11:58		Megan Lambert Invisible properties: the kea parrot's understanding of weight	Irene García Rulz Asymmetric negotiations: Punishment triggers cooperation	Marilla Erickson Why are aposematic signals so effective but so rare?	Eva Millesi Consume or conserve – food hoards affect hibernation patterns and reproductive performance in female common hamsters	Matteo Schlavinato Behavioral consequences through telomere shortening in urban wildlife birds	Iulia Badescu Investigating infant feeding development in wild chimpanzees using keratin stable isotopes of naturally shed hair			Anne Berger Using accelerometers and machine learning algorithms to record key behaviours of cryptic wildlife	Anja Bergmann Non-invasive acoustic species identification of swarming Myotis bats and its application
12:00-12:18		Snigdha Mukhopadhyay Find the shortcut for foraging: Study of individual cognitive ability for path minimization in a thermophilic ant ...	Belojevic Benefits of co-display in ruffs: from strangers to frenemies	Chris Irving The function of individual color pattern elements in <i>Amata nigriceps</i> warning coloration	Chantal Blüml Comparative model of sex-change-systems in fish under size-selective harvesting	Dominic Bourret Testing the speed-accuracy trade-off and its relationship with personality in a population of Eastern chipmunk ...			Lisa Dickel Does mating system modulate the multi-generational fitness effects of dispersal?	Michela Corsini Restoring the night sky: Mitigating the costs of light pollution in protected areas	Francesca Terranova Passive Acoustic Monitoring of a mainland African penguin colony using Autonomous Recording Units
12:20-12:38		Kerjean Strategies used by honeybees to evaluate quantities	Michael Griesser Selfish benefits, not dispersal constraints nor cooperative benefits, drive the formation of cooperative family groups		García-Raventós Plasticity and selection in breeding phenology buffers reproductive success in a long-lived bird					Bernatková From reintroduced to wild: transition in social networks of Przewalski's Horses in the Great Gobi B Strictly Protected Area (Mongolia)	Tereza Petrusková Individual acoustic monitoring for research and conservation
12:40-12:58		Adelaide Sibeaux Determining path integration ability in teleost fish	Georgiade Group stability and divorce in the Seychelles warbler, <i>Acrocephalus sechellensis</i>		Ulrich Reichard The Many Listeners to White-Handed Gibbon Duet Songs				Darwin Brack Male Indiana Bat Use of Indiana Caves in Summer: An Energy Budget and Game Theoretic Approach to Understanding Behaviour	Erin Wessling Direct observational research as a crucial tool for conservation monitoring: the case of bonobo behavioral variability	Vera Pfannerstill Assessing the potential of conspecific playbacks as a management tool for white rhinoceroses
13:00-14:00	Lunch break										

Wednesday 16 August - Afternoon

Time	Y-O-111	Lecture Hall 1	Lecture Hall 2	Lecture Hall 3	Lecture Hall 4	Lecture Hall 5	Lecture Hall 7	Lecture Hall 9	Lecture Hall 10	Lecture hall 11
14:00-14:55	Plenary talk Gladys Kalema-Zikusoka									
15:00-15:08		General session Learning Chair: Elena Kerjean	Symposium D The role of cooperation and conflicts in the evolution of animal societies (part 2) Chair: Ricardo C. Oliveira	General session Foraging (part 1) Chair: F. Hillemann	General session Behavioural ecology (part 4) Chair: Michael Beaulieu	General session Conflicts Chair: Raphael Ritter	General session Communication (part 3) Chair: Taina Conrad	Symposium AE Embracing diversity: comparative sleep research in non-model organisms Chair: Daniela C. Roßler	Symposium U Microbiome, animal behaviour and cognition Chair: Oncü Maraci	Symposium AC Habitat as an extended phenotype Chair: Denis Réale
15:10-15:28		Vittoria Roatti The development of social learning in wild immature baboons	Prisca De Roni Would you land me a claw? Spontaneous helping behaviour in African Grey Parrots.	Baheerathan Murugavel Following a flying fox: Home ranges and the influence of moon phases on the movement ecology of Indian flying fox males	Nikolaos Smit Female reproductive and feeding competition drive differences in dominance patterns between gorilla species	Zanna Clay The role of affiliative body contact in tension reduction in sanctuary-living bonobos and chimpanzees	Lara Southern Vocal turn-taking in chimpanzees in the wild	Niels C. Rattenborg Sleep research goes wild	Gabrielle Davidson Comparative microbiome-mediated cognition: case studies from birds and snails	Pim Edelaar The habitat as an extended phenotype: why, and how?
15:30-15:48		Erlca van de Waal Forgotten Social Benefits of Social Learning in Animals	Liran Samuni Cooperation across social borders in bonobos	Charlotte Doussot Bumblebees' Foraging Routes: The Impact of Resource Distribution and Visual Landmarks	Thomas Green Same-sex courtship and aggression variation in 9 species of American field crickets	Javier Abalos Behavioural threat and appeasement signals override morphology and colouration in contests between male wall lizards	Lukas Schad Alarm barks of male vervet monkeys as indicators of male quality	Andrea Ferretti Swimming asleep: characterization of sleep during paddling in Canada geese (<i>Branta canadensis</i>)		
15:48-16:20	Coffee break									
16:20-16:38		Henrique Galante Invasive ant navigation mechanisms are selectively disrupted by varying concentrations of caffeine	Roman Wittig Out-group conflict causing in-group cooperation in wild chimpanzees	María C. Tello Ramos Simple heuristics explain hummingbirds' optimal foraging routes	Chathuranga Dharmarathne Limitations of sperm transfer in spiders - coevolution of morphology and behaviour	Dagmar der Weduwen Archerfish foraging success varies with immediate competition level but not group size	Alexandra Langehennig-Peristenidou Maturation of the vocal production system cannot solely explain the acquisition of the adult trill call in infant grey ...	Euan Mortlock Biologging reveals the ontogeny of sleep in a wild mammal	Amélie Cabriol A defined community of gut bacteria promotes learning and memory in honey bees	Melanie Dammhahn Individualised landscapes of fear as extended phenotypes?
16:40-16:58		Valerie Lucks Do weakly electric fish rely on optic or electric flow to navigate?	Graham Birch Strategic use of male alternative reproductive tactics in cooperatively breeding banded mongoose groups	Hanisch Spatial fidelity and uniform exploration in the foraging behavior of a giant predatory ant	Miriam Scriba Sex-specific risk-aversion in the Mediterranean jumping spider <i>Saitis barbipes</i>	Tobit Dehnen Trade-offs between investing in reproduction and social interactions reveal different pathways to social positions	Kaja Wierucka Same data, different results? An evaluation of the robustness of approaches used for establishing individual distinctiveness of	Hamed Yeganegi Mammalian-like developmental changes are present in the neural signatures of avian sleep	Ruiz Rodríguez Bacteria may influence the mud selection to build the nests in Barn swallows	
17:00-17:18		Sadie Tenpas The development and transmission of stone-handling behaviour in captive Japanese macaques at the Highland Wildlife Park, Scotland	Carita Lindstedt Would you 'puke' to save your sister? Sex-linked freeloaders in costly cooperative antipredator defence in social haplodiploid pine sawfly	Patrick Schultheiss No direction home: how ants perform systematic searches	Laurie L'Espérance Effect of global climate and local weather on Tree swallow (<i>Tachycineta bicolor</i>) migration and breeding phenology	Arlene Velt Cognitive arms-race in free-ranging pigs	Paulo Sérgio Amorim Duet propagation and adjacent-distant neighbor discrimination in a neotropical ovenbird	Nadja Gelger Ontogenetic changes of REM sleep in the jumping spider <i>Portia fimbriata</i>	Ester Martínez-Renau Bacterial communities of avian symbionts are predicted by risk of pathogenic infection associated with nesting habits	Peter Korsten Social competition as a driver of phenotype-environment correlations: implications for ecology and evolution
17:20-17:38		Kukofka What mechanisms underly orangutan social learning? - Comparing peering behavior in wild and zoo-housed orangutans	Elva Robinson The evolution of inter-group cooperation	Berenika Mioduszewska Group foraging on feeding platforms in wild free-ranging Tanimbar corellas		Fiserová Interspecific competition between the Great spotted woodpecker (<i>Dendrocopos major</i>) and the Syrian woodpecker (<i>Dendrocopos syriacus</i>)	Bas van Boekholt Bodies in play: The role of bodily affordances in coordinating play in chimpanzees in the wild	Nitya Prakash Mohanty The ecology of sleep in reptiles	Andrea De Wind Borrego Implication of bacteria in the sexual selection of male Iberian red deer (<i>Capreolus elaphus hispanicus</i>)	Freddie Mckendrick Individual-level variability in plasticity of foraging effort at glacial fronts in a High Arctic seabird
17:40-17:58		Tiago Monteiro Going back to 'basics': Harlow's learning set task with wolves and dogs	Ricardo Callari Oliveira Caste fate conflicts and the tragedy of the commons in stingless bees					Marc Bauhus How do sick fish sleep? - Sleep behavior of three-spined stickleback ... Mikkel Roald-Arbel Sleep-like rest duration is repeatable within	Eva Ringler The role of parental care as a mechanism for skin microbiome transmission in a poison frog	Katie Morrow Conceptual issues about the phenotype-environment distinction in ecology, evolution and behavioral research
18:00-23:00	Social events: (1) Science "Pub" Quiz at 18:00 in the main hall/lecture hall 6; (2) Night walk in the Tierpark at 20:00 at Tierpark Olderdissen									

Sport event
16:00 to 19:30 at the sports facilities

Thursday 17 August - Morning

	Y-0-111	Lecture Hall 1	Lecture Hall 2	Lecture Hall 3	Lecture Hall 4	Lecture Hall 5	Lecture Hall 7	Lecture Hall 9	Lecture Hall 10	Lecture Hall 11
09:00-09:55	Plenary talk Zanna Clay									
10:00-10:08		General session Cognition (part 5) Chair: Giulia Cimarelli	Symposium K Chemical communication and behaviour (part 1) Chair: Leanne Grieves	General session Sociality (part 3) Chair: Derek Murphy	General session Behavioural ecology (part 5) Chair: Barbara Caspers	General session Plasticity (part 1) Chair: Bernice Sepers	General session Mate choice Chair: Clodhna Quigley	Symposium P Genomic characterization of distinct social behaviours Chair: Clemens Kupper	Symposium AG How animals interact with human vocalizations Chair: Sabrina Schalz	Symposium A Emotion research across phylogeny: Integrating cross-disciplinary theoretical and Chair: Jessie Adriaense
10:10-10:28		Ines Braga Goncalves Do wild animals exhibit cognitive senescence?	Danielle Whittaker Progress and Promise in the Study of Avian Chemical Ecology	Yorick Lambreghts Kin recognition refinement with social complexity	Klara L'Herpiniere Nest-type as an extended phenotype- from egg colour to thermal adaptation	Francesca Santostefano Selection on behavioural social plasticity across different predator environments in virtual ecosystems	Lea Vodjerek Pregnancy replacement in small mammals: the role of male quality in sequential mate choice	Joel Tripp Transcriptomic insights into social behavioral variation and motivation	Mylène Dutour Western Australian magpies discriminate between familiar and unfamiliar human voices	Rui Oliveira Emotion contagion in fish: evolutionary conserved neuromolecular mechanisms
10:30-10:48		Paolo Panizzon Sex does not influence the relationship between laterality and aggression in breeding threespined sticklebacks	Bhoomika Ashok Bhat Effects of nematode infections on chemical communication and nestmate recognition in a clonal ant	Christof Neumann Decomposing sociality: disentangling individual-specific from dyad-specific propensities to interact	Joseph Churchill The delayed effect of climatic conditions on pre-fledging nestling haematocrit in a suboscine species in Patagonia	Corné de Groot Individual differences in indirect genetic effects, mean level behaviour, and repeatability of social foraging tactic use in wild house sparrows	Srinwanti Bandyopadhyay Confusion, a potential marker of erratic behaviour in a human population: a plausible study on human mate		Gulliam McIvor Nesting jackdaws' responses to human voices vary with local disturbance levels and the gender of the speaker	
10:48-11:20	Coffee break									
11:20-11:38		Stephan Reber Studying the evolution of fundamental cognition in non-avian dinosaurs using extant phylogenetic bracketing	da Silva Chemical communication and aggressive behaviour in Fighting fish	Baptiste Sadoughi Individual aging and selective disappearance shape patterns of social aging in wild female Assamese macaques	Francesca Angiolani-Larrea Does oviposition location matter for offspring fitness?	Navina Liebermann-Lille Male social niche conformance? Effects of manipulated opportunity for extra-pair mating on behaviour and hormones of male zebra finches	Catarina Vila-Pouca Disassortative mating decisions of <i>Heliconius numata</i> butterflies predictably modified by pheromones	Mackenzie Prichard Allele-specific expression of vasoactive intestinal peptide in brain regions with distinct roles in a behavioral polymorphism	Martine Hausberger Social representation and early experience: early-but not late-orphaned (human-reared) cheetahs respond similarly to human and cheetah voices	Taru Niltyinen Tracking learning and emotions during early training in young horses
11:40-11:58		Cecilia Baldoni Seasonal Change In Brain Size Affects Learning Skills In Common Shrews (<i>Sorex araneus</i>)	Nathan Burke Trick and treat: low condition females send deceptive signals to lure and cannibalise males	Doll Borah The Lion Queen: An insight into the social structure of female Asiatic lions	Gabriella Gall In-ovo soundscape affects post-hatching social behaviour in chicken	Bruno Camargo dos Santos Does sibling number matter? Effects on later-life behavioural competences	Morgan Oberwieser Picking up good vibes: Variation and effects of vibratory courtship signals in the spider <i>Pisaura mirabilis</i>		Paula Pérez Fraga Exploring Companion Animals' Responses to Negative Human Emotional vocalizations: A Citizen Science Study on Pigs and Dogs	Luca G. Hahn Benefits of social relationships in a wild corvid – social support and stress reduction
12:00-12:18		Fumihiko Kano Evolution of the uniformly white human sclera: Critical updates	Marc Gilles Can plover chicks recognize the smell of their parents?	Piul Sht Can anyone become dominant in a clonal colony?	Natalie V. Sánchez Vocal responses to experimental manipulation of density: Male and female tropical wrens vary their vocal behaviour when density	Karem Lopez-Hervas Early predation exposure and parental effect of food quality interact to shape personality in wild house mice (<i>Mus musculus</i>)		Nayden Chakarov Genomics of morphological and behavioural variation in diurnal raptors	Simon Grendeus Speaker normalization in a crocodilian: Alligators respond to their names irrespective of caller	Isabel Driscoll Does meerkat sentinel call type influence receiver heart rate?
12:20-12:38		Alexander Kotschal Artificial selection for predation survival shapes cognition in guppies (<i>Poecilia reticulata</i>)	Emily Burdfield-Steel Chemical defenses as perceived by predators: lessons from the wood tiger moth		Fien Demuynck Basin study on acoustic responsiveness in wild-caught herring for exploration of deterrent potential	Diogo Aitunes Transgenerational effects of early social experiences in a cooperatively breeding fish		Lina Maria Giraldo Deck A supergene affects steroid hormones during early ontogeny in the ruff, a bird species with alternative reproductive morphs	Boros An ERP marker of object label understanding in family dogs	Hinchcliff Interviewing an animal in its own language: methods to assess the emotional states of laboratory rodents
12:40-12:58			Tristram Wyatt Pheromones and signature mixtures: defining species-wide signals and variable cues for identity in both invertebrates and vertebrates		Drago How the acoustic environment impacts the development of the hearing system in a Hawaiian Field Cricket					Tim Simon Lateralized eye use and tail wagging behavior during emotional states of positive anticipation and frustration in pet dogs
13:00-14:00	Lunch break									

Thursday 17 August - Afternoon

	Y-0-111	Lecture Hall 1	Lecture Hall 2	Lecture Hall 3	Lecture Hall 4	Lecture Hall 5	Lecture Hall 7	Lecture Hall 9	Lecture Hall 10	Lecture hall 11
14:00-14:55	Plenary talk Meg Crofoot									
15:00-15:08		General session Sensory ecology Chair: Subhasmita Patro	Symposium K Chemical communication and behaviour (part 2) Chair: Marc Gilles	General session Predator-prey interactions (part 2) Chair: Carita Lindstedt	General session Behavioural ecology (part 6) Chair: Erik Frank	General session Animal personality (part 4) Chair: Alizee Vernouillet	General session Animal welfare (domesticated) (part 1) Chair: Jean-Loup Rault	Symposium AL Diversity, equity and Inclusivity in Behaviour, Ecology and Evolution Chair: Rebecca S. Chen	Symposium J Inheritance of social behaviour In the wild: prospects and challenges Chair: Irene Godoy	Symposium Q Selection shapes animal cognition Chair: Eili Leadbeater
15:10-15:28		Alexis Gkantragas Spectral Properties of Pesticides and Their Influence Upon Pollinators' Visual System	Lisa M. Schulte Frogs don't only croak: Pheromones and chemical communication in anurans	Kal-Philipp Gladow Apex Defence Against the Apex Predator?	Nandini Rajamani Do novel nest microhabitats and architecture allow commensal three-striped palm squirrels to colonise higher altitudes?	Loni Loftus The development of a new personality assessment for equines	Gerald Marco Impact of living conditions and human interaction on the behavior of campus cats (<i>Felis catus</i>) at the University of the Philippines Cebu			Stephen Montgomery Neuronal elaboration and the cognitive basis of behavioural innovation
15:30-15:48		Christian Drerup Dynamic visual noise alters the camouflage response of cuttlefish	Alexander A. Schlatmann Olfactory kin discrimination in begging blue tits nestlings?	Avery Munster Eat, Prey, Live: The Role of Forage & Predation in Shaping Beaver Activity	Filippa Erlxon Matching safety: Personality-dependent habitat choice under heterogeneous risk	Theresa Schabacker Intraspecific individual differences in vocal behavior	Loni Loftus Investigating the effect of positive interventions on behavioural and physiological lateralisation parameters in equines: a pilot study	Claudia Wascher Thinking beyond categories – changing mindsets and culture	Alastair Wilson Studying the genetic inheritance of social behaviour: concepts and case examples	Zegni Triki The ecology-brain-cognition relationship: empirical examples from fishes
15:48-16:20	Coffee break									
16:20-16:38		Marie-Christin Hardenbicker Natural image statistics and the evolution of visual courtship signals	Sofia Rizzi The pungent power of roost odour: Faeces odour influences bat exploration and roosting decisions	Hannah Broeckx Does light pollution affect predator-prey interactions?	Sean Gwydion Grond Fire salamanders in a suburban hot spot: Movement behaviour and demography	Ana Lucia Effect of prenatal stress on individual differences in infant social behavior in wild Assamese macaques	Antonia Patt Reducing tail losses by optimizing housing conditions: how far do we get?			Gilles De Meester Evolutionary changes in telencephalon-size do not impact performance in egocentric or allocentric spatial learning in the guppy
16:40-16:58		Luis Nahmad-Rohen Can Octopuses Recognise Objects from Polarisation Cues?	Tatjana Alves Soares How do zebra finches smell? Insights into the odor composition of zebra finch preen oil and feathers	David Kikuchi Social learning of innovations in dynamic predator-prey systems	Laura Schulte Water-borne corticosterone differs between fire salamander larvae from two different habitats	Veronika Rohr Variation in a predictable behaviour throughout development in ruffs (<i>Calidris pugnax</i>)	Suzanne Truong Investigating temporal features as indicators of the quality of positive human-animal interactions		Denis Meuthen The challenges of a lip-reading scientist: a tale spanning three universities	Hazel Nichols , Swansea University, United Kingdom: The inheritance of cooperative personalities in wild banded mongooses
17:00-17:18		George Hancock Casting a light on camouflage, how shadows influence crypsis and the evolution of computer-generated animal patterns	Patrick Krapf Recognising conspecific versus allospecific trail pheromones partially influences the speed and accuracy of decisions but not aggression in a high-	Gokul Bhaskaran Correlated responses to artificial selection for predatory propensity in the bank vole: hunting skills and coping with stress	Madeleine Goumas Urban habitat use by gulls and its relationship with cognitive and ecological factors	Narmin Beydzada Wolbachia hampers the ability to avoid pesticide exposure in biocontrol Philodromus spiders but does not alter spider's personality	Camille Montalcini Feedback loops in animal welfare: the temporal dynamics of spatial behaviours and keel bone fractures in commercial laying hens		Jelena H. Pantel View from the field: the experience of historically marginalized communities in ecology, evolution, and behavior	David Fisher Indirect genetic effects should make group size highly evolvable
17:20-17:38		Itay Bleichman Characterizing the visual cues instrumental in locust swarming-related decision-making	Long Ma The chaos and order of the social life: Burying beetles form a temporal organization of group breeding via chemical signals	Bruno Esattore Multiple antipredator responses to a recolonizing apex predator: a tale of wolves and fallow deer in a Mediterranean area	Douglas Branch Effects of Tourism and Chemical Immobilization on Lion Habitat Selection: Insights from Etosha National Park, Namibia		Hildegard Niemann Influence of communication training on the behavior of parrots in home bird keeping			Gala De Russi Covariation of cognition with behavioural, metabolic, and life-history traits in the European eel (<i>Anguilla anguilla</i>)
17:40-17:58		Ariane Côté Parasite avoidance behaviour in naive vs parasite exposed fish: the importance of chemical and visual cues	Leanne Grieves Chemical signatures reflect group membership in a communally breeding bird	Max Verheij Arthropods as vertebrate brood predators: a review of current knowledge	Taylor Headland Urban kestrels prefer greenspace: key insights from a GPS-tagged falcon in South Australia		Sara Sequelra FOUR PAWS: Animal Welfare. Worldwide.	General EDI Discussion	Irene Godoy Determining early-life downstream influences on spatial association in wild capuchins	
18:00-20:00	Poster session									

Friday 18 August - Morning

	Y-O-111	Lecture Hall 1	Lecture Hall 2	Lecture Hall 3	Lecture Hall 4	Lecture Hall 5	Lecture Hall 7	Lecture Hall 9	Lecture Hall 10	Lecture hall 11
09:00-09:55	Plenary talk Stotra Chakrabarti									
10:00-10:08		General session Cognition (part 6) Chair: Marrit v.d. Bruggen	Symposium T Collective and cooperative behaviour (part 1) Chair: Souvik Mandal	General session Applied animal behaviour Chair: Barbara Caspers	General session Behavioural ecology (part 7) Chair: Eva Rousselle	General session Plasticity (part 2) Chair: Anja Guenther	General session Communication (part 4) Chair: Lukas Schad	Symposium Y Community engagement in animal behaviour and conservation Chair: Hazel Nichols	Symposium Z - intro Transparency and replicability in animal behaviour and cognition research Chair: Ljerka Ostojić	Symposium O Acoustic environments for monitoring and managing animal health and behaviour Chair: Pralle
10:10-10:28		Kresimir Durdevi Chimpanzees' pointing behaviour in communicatively ambiguous situations	Iain D. Couzin The Geometry of Decision Making	Jitka Bartosova "Magnetic Feng Shui" in horses: Fewer faults on obstacles approached in the direction of North-South axis	Xiang-Yi Li Richter Individual-based models of behavioral ecology and evolution -- what are the benefits and limitations?	Stephen Salazar Repeatability and plasticity of risk-taking in breeding blue tits	Alper Yelimlieg Behavioural plasticity increases with human impact: singing adjustments during traffic noise in the Galapagos yellow warbler	Jessica Mitchell Exploring Community Engagement as a research tool for creating sustained and meaningful action on One Health challenges.	Krasha Innikova Anastasia On the influence and validity of the use of certain testing methods for the matching-to-sample concept in parrots	Dan Stowell AI Towards Animal Conversation Analysis
10:30-10:48		Dario Starić Inhibitory control in wolves and dogs		Davide Bottacini Limited effects of culling on the behaviour of invasive lionfish (<i>Pterois miles</i>) in the Mediterranean Sea	Reshma R HSP90 as a capacitor for behavioural variation in <i>Tribolium castaneum</i>	Groneberg Lefty or righty? Investigating behavioural lateralisation in rats	Julie Bosca Vocal performance in female songbirds can be as high as in males: a field study in European robins		Hansen Wheat Solutions for the replication crisis in animal behaviour research: empirical insights from studies on wolves and dogs	
10:48-11:20	Coffee break									
11:20-11:38		Daniel Rivas-Blanco Figuring things out: Innovation Arena in wolves and dogs	Bartashevich Fountain effect as a collective anti-predator escape in fish schools	Lara Sophie Burchardt How to automatically track circular objects in visual media: establishing two approaches using Siamang air sacs	Leonie John Colour change and background choice in camouflaged predatory fishes	Kate Graydon Investigating egg size plasticity in <i>Apis mellifera</i> as a potential strategy to cope with anthropogenic land use change	Marc Schmidt Investigating the effect of posture on song quality during the production of a multimodal display in the brown-headed cowbird		Edward Legg How are non-significant results presented in the animal cognition literature?	Yara Silberstein Pups of Mongolian gerbils encode arousal and development state in their vocalizations: a further tool to improve laboratory welfare
11:40-11:58		Elisa Felsche The structure of executive functions in chimpanzees and preschool children	Valentin Lecheval Smart self-propelled particles: a framework to investigate the cognitive bases of movements	Léa Guegno Tactile reactivity in horses: challenges and factors of influence	Kalpesh Jas Prawns as a promising model to study behaviour: the biology to rethink	Md Tanggul Haque Climate change-a great enemy: observing thermal tolerance in damselflies	Julia Victoria Grabner Who is calling? Do common marmosets (<i>Callithrix jacchus</i>) use pitch information to recognize conspecifics?	Kevin Arbuckle A win-win approach to human-wildlife conflict: Working with communities to benefit snake conservation and mitigate a Neglected Tropical Disease	Antica Cullna Transparency for reducing wasted research	Richard Mott The impact of the ultrasonic acoustic environment on the welfare of intensively farmed pigs
12:00-12:18		Yonghe Zhou Bumblebees retrieve only the ordinal ranking of foraging options when comparing memories obtained in distinct settings	Korbinian Pacher Prey movement and predator performance in a pelagic group hunting system	Helen Rößler Long and winding road: Training progress and trainability variation across a psychoacoustic experiment in penguins	Janay Fox Developmental behavioural plasticity induced by predation stress in Trinidadian guppies (<i>Poecilia reticulata</i>)			Isabelle Szott We are together! Training African giant pouched rats in Tanzania to fight illegal wildlife trade	Hanno Wuerbel The 3Vs of rigorous animal research	Buddhamas Pralle Animal acoustic management: Using sounds to manage animal health and behaviour
12:20-12:38		Bonizzato Elements of episodic-like memory in the blue-headed macaw (<i>Primolius couloni</i>)	Luke Leckle Black garden ants modify three-dimensional nest architecture in response to pathogen exposure		William O'Hearn Can increased foraging capability make a baboon more popular? A manipulative field experiment in the tolerant multi-level society ...		Alessandro Gallo Context-sensitive emission of acoustic signals in bottlenose dolphins (<i>Tursiops truncatus</i>) under human care		Panel discussion	
12:40-12:58		Laure-Anne Polssonille Ants combine object affordance with memory traces to make efficient foraging decisions	Chinmay Hemant Joshi Ants making errors: robustness of collective foraging under different resource environments and communication systems		Hanna Tebelmann Differences in bold behavioural types between different wolf taxa may be caused by environmental adaptation		Bárbara Freitas The acoustic adaptation hypothesis across animals: a meta-analysis	Ashish Kumar Decision trees based cognitive models are efficient tools to assess the vulnerability of a non-inimical species prone to the threats of ...		
13:00-14:00	Lunch break									

Friday 18 August - Afternoon

	Y-O-111	Lecture Hall 1	Lecture Hall 2	Lecture Hall 3	Lecture Hall 4	Lecture Hall 5	Lecture Hall 7	Lecture Hall 9	Lecture Hall 10	Lecture hall 11
14:00-14:55	Plenary talk Julla Saltz									
15:00-15:08		General session Cognition (part 7)	Symposium T Collective and cooperative behaviour (part 2)	General session Foraging (part 2)	General session Behavioural ecology (part 8)	General session Individualisation (part 2)	General session Life-history	Symposium AF Meta-research for behavioural ecology: It's time!	Symposium C The complexity of understanding vocal complexity: where is the common ground	General session Combined: Conservation + Animal welfare (zoo)
		Chair: Deepshika Arun	Chair: Souvik Mandal	Chair: Fritz Trillmich	Chair: Oliver Krüger	Chair: Marko Bračić	Chair: Eva Millesi	Chair: Alfredo Sánchez-	Chair: Dianne Brunton	Chair: Lee Paige
15:10-15:28		ChuChu Lu Zebra Finch on a Rollercoaster: How Temperature Fluctuation affects Corticosterone, Activity, Learning ...	Isabella Muratore Ontogeny of collective behavior	Mihir Joshi, Balancing Nutrients: The Desert Lizard Way	Alba Motes Rodrigo Precise tactile stimulation of worker ants by a robotic manipulator reveals that individual responses are density- and context-dependent.	Orlova Individualized niches and individual-environment interaction mechanisms: Bringing new insights from biology into economics and	Claire Taylor The fecundity costs of building complex nests in birds	Ljerka Ostojić Bias in animal cognition research: the researchers' perspective	Louise Peckre Measuring communicative complexity across taxa: food for thought	Martin Kübbeck Habitat quality shapes breeding behavior in an endangered farmland bird
15:30-15:48		Thibault Boehly Effect of a distraction on working memory in Archosauaria	Stefan Popp Ant Search	Avik Banerjee When energy reserves are low, the risky option is the way to go	Daniel Schlöppl Black garden ants, <i>Lasius niger</i> , are drawn to virus-infected food	Peter Nabutanyi How does the interaction of NC3 mechanisms and trait evolution affect population persistence in a deteriorating environment?	Tiffany Bosshard Risk-taking across age in Barbary macaques (<i>Macaca sylvanus</i>)		Taylor Hersh Measuring and reporting rhythmic complexity in vocalizations across species	Abhishek Using Vessel monitoring technologies to detect the fishing ships in Mumbai Harbor
15:48-16:20	Coffee break									
16:20-16:38		Maria Lojowska Exposure to harm to others improves exogenous spatial attention.	Daniele Carlesso A simple mechanism for collective decision-making in the absence of payoff information	Rohan Sarkar Scavenging strategies in free-ranging dogs	Patrick Lauer Theoretical evaluation and application of food preference indices with long-term data of leaf-eating red colobus	Cornelia Hahl Individual variation of neophilia: costs, limitations, and fitness consequences	Lauren Harrison Can your social circle change how you age? Sex-specific effects of the social environment on actuarial and reproductive senescence	Simon Evans The past, present and future of open data in behaviour, ecology and evolution	Ellen Garland Does female choice for song complexity drive sexual selection in humpback whales?	Akinleye Oyegbami Harnessing the role of Culture in human behaviour toward Mona Monkey Species in Osun Osogbo Sacred Forest, Nigeria
16:40-16:58		Splinter Comparison of spontaneous cognitive abilities in captive and wild grey mouse lemurs (<i>Microcebus murinus</i>)	Hanja Brandl Heart rate responses to spatial positioning in a group of wild vulturine guinea fowl	Manal Shakeel Temporal effects of sugar intake on fly local search and honey bee dance behaviour	Natalla Soplilko Sisterhood in reptiles: why do females of viviparous lizard <i>Zootoca vivipara</i> aggregate together?	Jonas Schwarz Facing environmental change: A tradeoff between individual foraging strategies in Galapagos sea lions	Samantha Patrick Differences in the temporal scale of reproductive investment across the slow-fast continuum in a passerine		Nikola Falk Vocal signal diversification in the cooperatively breeding meerkats	Alicia Bartolomé Behavioural and physiological assessment of three environmental enrichment methods in a captive lizard (<i>Podarcis muralis</i>)
17:00-17:18		Schaffer Innovation across 13 ungulate species	Lily Johnson-Uirich Communication drives collective movement decisions in meerkats	Yoba Alenga Bat sonotype as a novel insight into the congo basin rainforest dynamic	Juan Jose Lagos-Ovledo Saving the injured: Convergent evolution of helping behavior in a neotropical Army ant	Lal Ka Lo The interplay between niche construction and niche choice in <i>Tribolium castaneum</i>	Anne Ju Laberge Growth in Harbour seal pups in the St. Lawrence Estuary: A preview on spatiotemporal and sex-specific scales in a natural population	Hetzel Why Does Research in Ethology Not Reach Animal Welfare Law? An Agnotological Case Study	Miriam Kuspiel Chattering magpies: Social context determines alarm calling to threats	Miriam Goebel Big Difference for Small Mammals: Simple Devices as Feasible but Effective Enrichment
17:20-17:38			Jim McGetrick Do sheepdogs understand their handler's goal when herding?	Mark Massaad Bats in Mediterranean Agroforestry: Exploring activity patterns and spatiotemporal dynamics	Zoë Goldsborough Habitual tool use on monopolizable resources affects group cohesion in white-faced capuchins (<i>Cebus capucinus imitator</i>)		Emmanuelle Marchand A family history : Effects of parental age on life history traits in bighorn sheep	Aikists Elliott-Graves A re-examination of heterogeneity in Biological Meta-Analysis	Wesley Webb A global comparison of female and male birdsong complexity	Christina Stanley Individual welfare in highly social species: the Livingstone's fruit bat as a case study
17:40-17:58					Tamao Maeda Behavioural synchronization in a multilevel society of feral horses			Irene Gaona Gordillo Are animal personality, body condition, physiology, and structural size integrated? A comparison of species, populations, and sexes ...	Cedric Girard-Buttoz Information content of wild chimpanzee vocal sequences	
19:00-24:00	(1) Conference dinner at 19:00 at Hechelei; (2) Night walk in the Tierpark at 20:00 at Tierpark Olderdissen									

Saturday 19 August - Morning

	Y-O-111	Lecture Hall 1	Lecture Hall 2	Lecture Hall 3	Lecture Hall 4	Lecture Hall 5	Lecture Hall 7	Lecture Hall 9	Lecture Hall 10	Lecture hall 11	Room V2-105/115
09:00-09:55	Plenary talk Barbara Caspers										
10:00-10:08		General session Animal welfare (domesticated) (part 2) Chair: Liza Moscovice	General session Combined: Behavioural genetics + reproductive strategies and mating Chair: Raquel Monclus	General session Parental care (part 2) Chair: Sabine Kraus	Symposium AH Causes and consequences of individualisation in behavioural ecology Chair: Nora Schulz	General session Cooperation Chair: Michael Taborsky	General session Communication (part 5) Chair: Dustin Penn	General sessions Methods Chair: Marina	Symposium M Measuring cognition in fishes: Identifying challenges and proposing solutions Chair: Nicholas Jones	Symposium AA Plasticity in social behaviour under environmental change Chair: Natalie Pilakouta	Workshop Unconscious Bias and Diversity in Research
10:10-10:28		Pla Kahnau The influence of a water maze experiment on the cognitive bias of female mice	Atharva Andhare Effects of Genetic Relatedness on Gaining or Losing Extra-group Paternity in the Seychelles Warblers	Federica Dal Pesco Estimating parental investment: the importance of offspring age	Yuko Ulrich Behavioural variation and division of labour in clonal ant societies	Eszter Matrai Cooperative problem-solving in dolphin societies	Tobias Krause Olfactory sex preferences in Estrildid Finch species	Andreas Berghänel Mind the scale!	Redouan Bshary Conceptual and methodological considerations on fish cognition research	Amelia Munson Understanding the Role of Individual Differences in Predicting Group Responses to Temperature Change	Part 1
10:30-10:48		Louise Evans Eye understand: physiological measures as novel predictors of adaptive learning.	Algora Leks, threats and eggs: non-random nest distribution in ruffs (<i>Callidris pugnax</i>)	Sanja Hakala Socially transferred molecules in crop milk – a mechanism for social control in a polymorphic ant?		Wallner Werneck Mendes Can dogs and wolves coordinate with humans in different spatial conditions?	Öncü Maracı Sex-specific microbial differences in the scent organ of Greater sac-winged bats	Lonl Loftus Methods to induce and measure positive affective state in equines: a Delphi consultation		Jan Komdeur Social flexibility – a powerful mechanism to cope with a rapidly changing natural world	
10:48-11:20	Coffee break										
11:20-11:38		Sara Hintze Feeling the flow – towards the study of flourishing and thriving in non-human animals	Jutta M Schnelder Female Argiope bruennichi invest strategically in chemical mate attraction	Max Körner Investigating an insect with collective antimicrobial defenses: pathogen defense or beetle-microbe competition?	Meike Wittmann Quantifying the effects of intraspecific trait variation and interspecific trait correlations on interacting populations -	Paula Stockley Fitness consequences of cooperative female relationships linked to oxytocin levels in a social mammal	Kanako Ake Odor discriminations in African painted dogs	Justine Gildenpfnennig Using biologging data to research stress reactivity of free-ranging wild boar; effects of weather on energy expenditure	Theodora Fuss Social learning in virtual reality - does context matter?	Amlyaa Iliny Experimental manipulation reveals the response of rock hyrax social networks to environmental changes	
11:40-11:58		Charlotte Goursot Testing auditory laterality helps understanding emotion processing in pigs	Alais Llénard Nest-host choice and parasitic nestling survival in an altricial passerine	Natalie Pilakouta The consequences of heatwaves for animal reproduction and parental care are timing-dependent	Jakob Gismann Personality affects dispersal and settlement in a novel habitat - A mesocosm experiment	Leoma Williams Cooperation beyond the dyad in ravens (<i>Corvus corax</i>) and chimpanzees (<i>Pan troglodytes</i>)	Szabolcs Számadó Honesty in signalling games is maintained by trade-offs rather than costs	Derek Murphy Computer vision in the wild: using machine learning and camera traps to collect data on social associations among wild Guinea baboons	Myriam Knöpfle Into the wild - testing the cognitive abilities of a Mediterranean wrasse species in their natural environment	Paige Lee How do antidepressants affect sexual behaviour in bower-building cichlids?	
12:00-12:18		Flamand Effects of social interactions on the emotional state of the horse	Jorg Massen Mechanisms of coping in a group-living primate		Gabe Winter Uncovering the complexities of (un)predictability in escape behavior in a grasshopper	Rebecca Padgett Does leadership promote collective action during predator inspection?	Maëlle Lefeuve Breeding Status Affects Acoustic Characteristics of Zebra Finch Directed Song	Hoi Hang (Alex) Chan Markerless 3D posture tracking of multiple pigeons in captivity and in the wild to study collective behaviour and cognition	Tiago Monteiro GoFish: A low-cost, open source platform for closed-loop behavioural experiments on fish	Miya Warrington The association between social organisation and environmental conditions in Cape ground squirrels (<i>Xerus inauris</i>)	Part 2
12:20-12:38			Markus Conrad A new method to minimize inbreeding depression and evaluate animal populations reared in the lab		Anushka Herath Intraspecific behaviour variation of a generalist herbivore: associations between animal personality, individual dietary specialisation,	Ettore Camerlenghi Environmental harshness predicts seasonal variation in cooperative behaviour in a songbird multilevel society		Md kawsar Khan Durga: An R package for effect size estimation and visualisation	Maelian Tomasek Pubescent teenagers or Tanganyikan cichlids?: cognitive experiments with unmotivated wild fish	David Fisher Dolphin social networks typically show individual variation in response to environmental change alongside population-level stability	
12:40-12:58						Martin Surbeck Female power in bonobos			Marcel Simsch Effects of social environment on personality of goldfish	Natalie Pilakouta Warm environments can reduce sociability	
13:00-14:00	Lunch break										

