



ECBB 2018

LIVERPOOL

European Conference on Behavioural Biology

9 - 12 August 2018

Timetable



Association
for the
Study of
Animal
Behaviour



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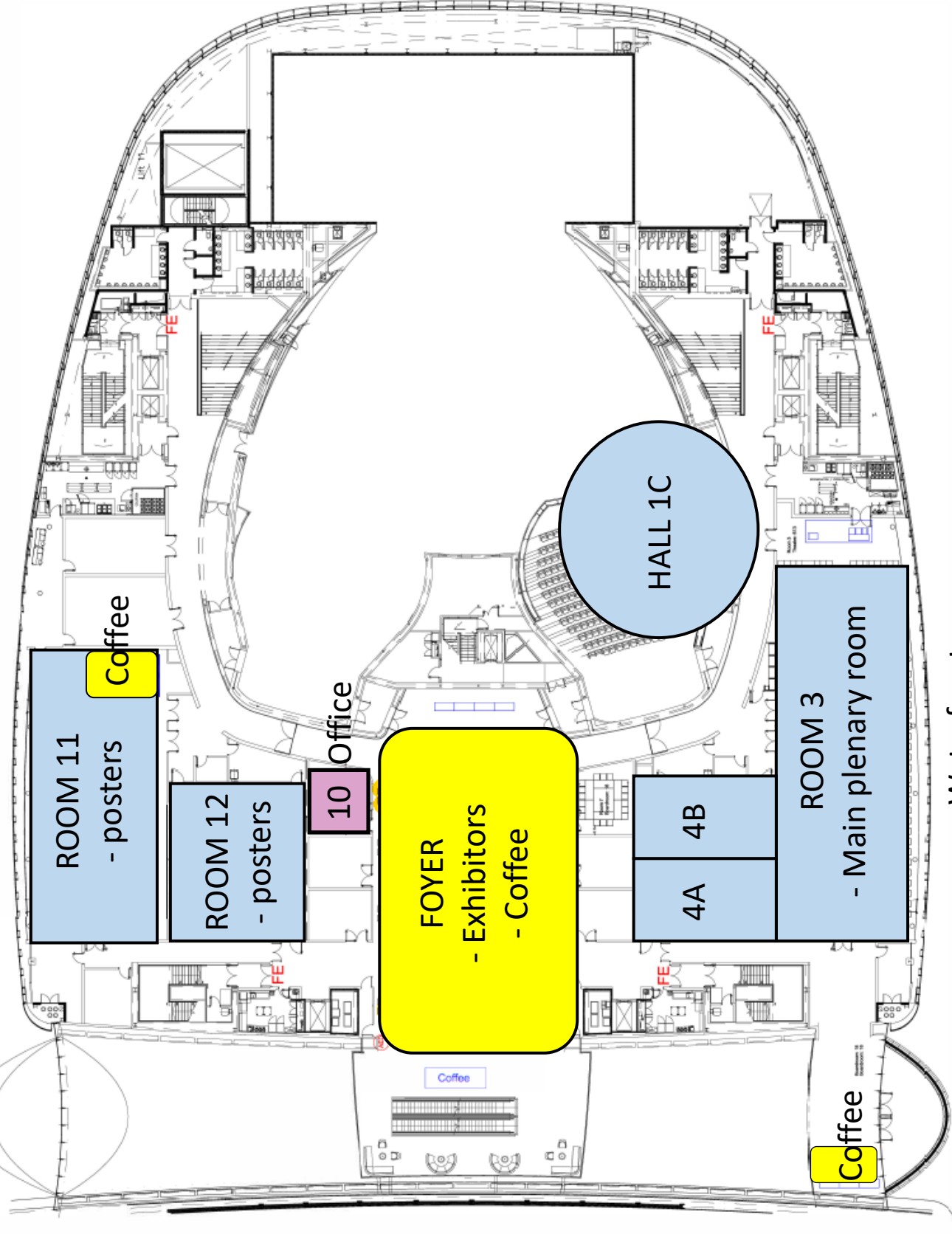
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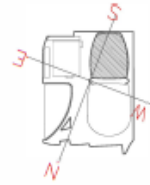


First floor arrangement

Main entrance



Waterfront



Date of Issue	: 05.12.2015
Version / Revision	: A/B
Scale	@ A3
Event	: EC3B
Event Date	: Friday 10th - Sunday 12th August 2015
Location	: Level 2
Specs	: 75 Double Sided Poster Boards

Thursday 9th August - Redmonds Building, Liverpool John Moores University, Brownlow Hill, L3 5UG

15:00 - 17:30	Welcome reception and registration
17:00 - 17:30	Welcoming remarks (Large Lecture Theatre)
17:30 - 18:30	Plenary 1: Mike Mendl (Large Lecture Theatre)
19:30	Student social evening (Dough bar)

Friday 10th August - ACC Liverpool, Kings Dock, L3 4FP

08:00 - 09:00	Registration
09:00 - 09:15	Welcome announcements (room 3)
09:15 - 10:15	Plenary 2: Barbara Taborsky (room 3)
10:15 - 10:45	Coffee break
10:45 - 13:00	Oral session 1 (4 parallel sessions: rooms 1C, 3, 4A, 4B)
13:00 - 14:30	Lunch break
14:00 - 14:30	Animal Behaviour journal information (room 3)
14:30 - 16:30	Poster session (rooms 11 & 12)
16:30 - 17:00	Coffee break
17:00 - 19:00	Oral session 2 (4 parallel sessions: rooms 1C, 3, 4A, 4B)

Saturday 11th August - ACC Liverpool, Kings Dock, L3 4FP

09:00 - 09:15	Announcements (room 3)
09:15 - 10:15	Plenary 3: Andrew King (room 3)
10:15 - 10:45	Coffee break
10:45 - 12:45	Oral session 3 (4 parallel sessions: rooms 1C, 3, 4A, 4B)
12:45 - 14:30	Lunch break
13:30 - 14:30	ASAB AGM (room 3)
14:30 - 16:15	Poster session (rooms 11 & 12)
16:15 - 16:45	Coffee break
16:45 - 18:45	Oral session 4 (4 parallel sessions: rooms 1C, 3, 4A, 4B)
19:15	Social dinner & ASAB medal winner presentation (Royal Liver building)

Sunday 12th August - ACC Liverpool, Kings Dock, L3 4FP

09:00 - 09:15	Announcements
09:15 - 10:15	Plenary 4: Amanda Seed (room 3)
10:15 - 10:45	Coffee break
10:45 - 12:45	Oral session 5 (4 parallel sessions: rooms 1C, 3, 4A, 4B)
12:45 - 14:00	Lunch break
14:00 - 15:00	Niko Tinbergen award: Jorg Massen (room 3)
15:00 - 16:00	Plenary 5: Judy Stamps (room 3)
16:00	Closing ceremony and student prizes (room 3)

Thursday 9th August; Redmonds building, Liverpool John Moores University, Brownlow Hill, L3 5UG

Time	Name	Title	Room
15:00 - 18:30	Welcome reception and plenary 1		
15:00 - 17:00	Welcome reception and registration		
17:00 - 17:30	Welcoming remarks		
17:30 - 18:30	- Mike Mendl, University of Bristol	<i>Animal affect and decision-making</i> (chair: Emily Bethell)	LLT
19:30	Student social and pub quiz (Dough Bar, Skelhorne St, Liverpool L3 5GA)		

Friday 10th August; ACC Liverpool, Kings Dock, L3 4FP

Time	Name	Title	Room
08:00 - 09:00	Registration		
09:00 - 10:15	Announcements & plenary 2		
09:15 - 10:15	- Barbara Taborsky, University of Bern	<i>The emergence of social phenotypes: Plasticity matters</i> (chair: Adam Reddon)	3
10.15 - 10.30	Coffee break		
10:45 - 13:00	Oral session 1		
Parallel session 1A - Symposium: Social instability: Direct fitness consequences and underlying physiological mechanisms (chair: Loren Hayes)			3
10:45 - 11:05	- Loren Hayes, University of Tennessee at Chattanooga	<i>Social instability: A mini-review</i>	3
11:05 - 11:25	- Adriana Maldonado-Chaparro, MPI Ornithology	<i>Repeated disturbances affect the social dynamics of group behaviour in a colonial bird</i>	3
11:25 - 11:45	- Liesbeth Sterck, Utrecht University	<i>The formation male-female good relationships after male immigration in rhesus macaques</i>	3
11:45 - 12:05	- Luis Ebensperger, Universidad Católica de Chile	<i>Social instability decreases communal care and interferes with the ability of mothers to buffer offspring</i>	3
12:05 - 12:25	- Norbert Sachser, University of Muenster	<i>The effects of social instability on behavioural phenotype: neuroendocrine mechanisms and adaptive significance</i>	3
12:25 - 12:45	- Beatrice Downing, University of Exeter	<i>Disruption and disease in social networks: social behaviour, changes following culling and their implications for disease transmission</i>	3
Parallel session 1B - Symposium: Emerging techniques in the study of behavioural plasticity (chairs: Maria Larriva, Valeria Marasco, Karen Spencer)			Room
10:45 - 11:05	- Valeria Marasco, Konrad Lorenz Institute of Ethology	<i>Integrative biology: a critical step forward to unravel the molecular mechanisms generating behavioural plasticity</i>	1C
11:05 - 11:25	- Todd Roberts, UT Southwestern Medical Center	<i>Windows into How the Brain Learns Vocalizations: Imaging and Optogenetic Methods in Songbirds</i>	1C
11:25 - 11:45	- Graham Richardson, University of Lincoln	<i>Investigating Protean Anti-Predator Behaviour Using Virtual Reality</i>	1C
11:45 - 12:05	- Narjis Kraimi, Université François Rabelais Tours	<i>From genotype to phenotype: influence of the gut microbiota in Japanese quails (Coturnix japonica)</i>	1C
12:05 - 12:25	- Marine Parker, INCI (CNRS)	<i>Locomotor activity and feeding rhythms of indoor and outdoor cats living in captivity</i>	1C
12:25 - 12:45	-	Discussion	1C
Parallel session 1C - Behavioural Ecology theme (chair: Tom Price)			Room
10:45 - 11:05	- Maria Cristina Tello-Ramos, University of St Andrews	<i>Hummingbirds change their foraging routes to avoid low concentration flowers</i>	4A
11:05 - 11:25	- Sean Rands, University of Bristol	<i>Bumblebees distinguish floral scent patterns, and can transfer these to visual patterns</i>	4A
11:25 - 11:45	- Judith Janisch, University of Veterinary Medicine Vienna	<i>Insights into the behavioural flexibility to spatial alterations in the courtship dance of golden – collared manakins (Manacus vitellinus).</i>	4A
11:45 - 12:05	- Barbora Zampachova, Charles University	<i>Does commensalism and subspecies affect exploratory behaviour in mice: A comparison of three populations in a battery of five exploration tests</i>	4A
12:05 - 12:25	- Sacha Engelhardt, University of Bern	<i>Grandmother effects in a pre-industrial human population: assessing the potential for cooperation to improve inclusive fitness</i>	4A
12:25 - 12:45	- Kasim Rafiq, Liverpool John Moores University	<i>Optimal scent marking strategies for African leopards</i>	4A
12:45 - 13:00	- Sally Keith, Lancaster University	<i>Macroecology of reef fish aggression</i>	4A
Parallel session 1D - Social Behaviour theme (chair: Judy Stamps)			Room
10:45 - 11:05	- Anna Wilkinson, University of Lincoln	<i>Lateralised eye use during social information acquisition</i>	4B
11:05 - 11:25	- Shirley Raveh, University of Glasgow	<i>Oddity, predation risk, and social decisions in aquatic invertebrates</i>	4B
11:25 - 11:45	- Alice Baniel, Institute for Advanced Study in Toulouse	<i>Jealous females? Female competition over paternal care in a wild promiscuous primate</i>	4B
11:45 - 12:05	- Kathryn Arnold, University of York	<i>Individual flexibility in group foraging behaviour of Reef Manta Rays (Mobula alfredi)</i>	4B
12:05 - 12:25	- Hanja Brandl, University of Hamburg	<i>Information use in wild zebra finches – strategies of prospecting and its informational value</i>	4B
12:25 - 12:45	- Liisa Hämäläinen, University of Cambridge	<i>Social learning within and across predator species facilitates the evolution of aposematic prey</i>	4B
12:45 - 13:00	- Erin Siracusa, University of Guelph	<i>The lasting effects of 'dear enemies': stable social relationships have fitness benefits for a territorial squirrel</i>	4B
13:00 - 14:30	Lunch Break		

Friday 10th August; ACC Liverpool, Kings Dock, L3 4FP

			Room
14:00-14:30	Animal Behaviour journal information		3
14:30 - 16:30	Poster session		11,12
16:30 - 17:00	Coffee Break		Foyer
17:00 - 19:00	Oral session 2		
Time	Name	Title	Room
Parallel session 2A - Symposium: Individual identity signalling in animals: Biology of individual distinctiveness and its applications (chair: Pavel Linhart)			1C
17:00 - 17:20	- Pavel Linhart, Adam Mickiewicz University	<i>How to measure individual identity in animal signals</i>	1C
17:20 - 17:40	- Jane Hurst, University of Liverpool	<i>Polymorphic MUPs (major urinary proteins) provide individual identity signatures in murine scents</i>	1C
17:40 - 18:00	- Olga Sibiryakova, Lomonosov Moscow State University	<i>Mother – offspring communication in three ungulate species: which factors might influence the individuality of contact calls?</i>	1C
18:00 - 18:20	- Tereza Petruskova, Charles University	<i>Individual acoustic monitoring as a tool to study behavioural ecology of passerines</i>	1C
18:20 - 18:40	- Sándor Zsebok, Eötvös Loránd University	<i>Acoustic individuality in a culturally transmitted trait: time and geographical scale dependency on different organization levels in the song of collared flycatcher (<i>Ficedula albicollis</i>)</i>	1C
18:40 - 19:00	- Dan Stowell, Queen Mary University of London	<i>Machine learning for general bioacoustic individual identity recognition: perspectives</i>	1C
Parallel session 2B - Symposium: The role of hormones in mediating behavioural phenotypic plasticity to anthropogenic change (chair: Wolfgang Goymann)			Room
17:00 - 17:20	- Karen Spencer, University of St Andrews	<i>Pre-natal exposure to anthropogenic sound generates a risk prone post-natal phenotype in the Japanese quail</i>	3
17:20 - 17:40	- Ton Groothuis, University of Groningen	<i>Prenatal embryonic plasticity in hormone regulation: a potential tool for adaptation to anthropogenic change?</i>	3
17:40 - 18:00	- Frédéric Angelier, CEBC/CNRS	<i>Stress in the city: Hormonal, behavioral, and fitness consequences of urbanization in wild birds</i>	3
18:00 - 18:20	- Olivier Chastel, CEBC/CNRS	<i>Endocrine and fitness consequences of contaminants exposure in polar seabirds</i>	3
18:20 - 18:40	- Suzanne Mills, University of Perpignan	<i>Hormonal and behavioural responses of coral reef organisms to anthropogenic stressors</i>	3
18:40 - 19:00	- Maria Reyes Contreras, University of Bern	<i>Phenotypic engineering alters stress axis programming and social competence</i>	3
Parallel session 2C - Personality theme (chair: Paula Stockley)			Room
17:00 - 17:20	- Cristina Acasuso-Rivero, University of Cambridge	<i>Factors affecting dolphin personality traits in captivity</i>	4A
17:20 - 17:40	- Lisa Wallis, Eötvös Loránd University	<i>Cognition and personality in dogs</i>	4A
17:40 - 18:00	- Melanie Dammhahn, University of Potsdam	<i>Life in the city: behavioural adaptations of voles and mice to urban environments</i>	4A
18:00 - 18:20	- Georgina Eccles, Liverpool John Moores University	<i>Cognition for conservation: Supplementing conservation research through insights of a specialist birds' responses to novelty</i>	4A
18:20 - 18:40	- Christos Ioannou, University of Bristol	<i>Regulation between personality traits: Individual social tendencies modulate whether boldness and leadership are correlated</i>	4A
18:40 - 19:00	- Stephanie Harris, University of Liverpool	<i>Personality and foraging specialisation in an Arctic predator species</i>	4A
Parallel session 2D - Conservation & Welfare themes (chair: Liesbeth Sterck)			Room
17:00 - 17:20	- Isabelle Szott, Liverpool John Moores University	<i>Wildlife tourism impact on wild African elephants, <i>Loxodonta africana</i></i>	4B
17:20 - 17:40	- Caitlin Andrews, University of Cambridge	<i>Foraging for a foothold in a novel environment: using conservation translocations to test for individual variation</i>	4B
17:40 - 18:00	- Giovanni Villa, University Sains Malaysia	<i>Exploring the role of <i>Macaca nemestrina</i> as seed dispersers</i>	4B
18:00 - 18:20	- Ludwig Huber, University of Veterinary Medicine Vienna	<i>The relationship between stress, motivation and cognitive performance in Kune Kune pigs</i>	4B
18:20 - 18:40	- Benjamin Lecorps, UBC	<i>Feeling lucky? Dairy calves don't like to gamble when in pain</i>	4B
18:40 - 19:00	- Paul Rose, University of Exeter	<i>Considering behaviour 24/7; nocturnal activity and animal welfare in the zoo</i>	4B

Saturday 11th August; ACC Liverpool, Kings Dock, L3 4FP

09:00 - 10:15	Announcements & plenary 3		Room
09:15 - 10:15	- Andrew King, Swansea University	<i>Come Together: Sociality, Heterogeneity, Organisation and Leadership in Animal Societies</i> (chair: Nicola Koyama)	3
10.15 - 10.45	Coffee break		Foyer
10:45 - 12:45	Oral session 3		
Time	Name	Title	
Parallel session 3A - Symposium: Animal personality: providing new insight into behaviour? (chair: Vanessa Wilson)			Room
10:45 - 11:05	- Kate Laskowski, Leibniz-Institute of Freshwater Ecology & Inland Fisheries	<i>The developmental and social drivers of behavioural individuality in a clonal fish</i>	3
11:05 - 11:25	- Anja Guenther, Bielefeld University	<i>Development and function of animal personality in wild caviess</i>	3
11:25 - 11:45	- Drew Altschul, University of Edinburgh	<i>Personality links with lifespan in chimpanzees</i>	3
11:45 - 12:05	- Oyvind Overli, Norwegian University of Life Sciences	<i>Role of phenotypic plasticity for animal welfare and contrasting stress coping styles</i>	3
12:05 - 12:25	- Martin Seltmann, University of Turku	<i>Using personality data to improve the management and welfare of a semi-captive population of Asian elephants of Myanmar</i>	3
12:25 - 12:45	-	Discussion	3
Parallel session 3B - Symposium: Cooperative interactions in fishes (chair: Stefan Fischer)			Room
10:45 - 11:05	- Joachim Frommen, University of Bern	<i>Cooperative interactions in fishes</i>	1C
11:05 - 11:25	- Riva Riley, University of Cambridge	<i>Coping with strangers: how familiarity and active interactions shape group coordination in <i>Corydoras aeneus</i></i>	1C
11:25 - 11:45	- Niclas Kolm, Stockholm University	<i>Correlated changes in behavior and cognition during artificial selection on schooling behavior in the guppy</i>	1C
11:45 - 12:05	- Melisande Aellen, University of Neuchâtel	<i>Experimental evidence that uninvolved bystanders punish cheats in fish</i>	1C
12:05 - 12:25	- Ines Braga Goncalves, University of Bristol	<i>Territorial defence participation and post-conflict relationship management in a cooperatively breeding cichlid</i>	1C
12:25 - 12:45	- Dario Josi, University of Bern	<i>Predation risk affects polygyny in cooperative breeders</i>	1C
Parallel session 3C - Behavioural Ecology theme (chair: Fred Angelier)			Room
10:45 - 11:05	- Rita Fragueira, University of Greifswald	<i>Temperature-induced behavioural variation in the polymorphic Gouldian finch</i>	4A
11:05 - 11:25	- Caterina Funghi, University of Hamburg	<i>Extreme climate events induce foraging behavioural changes and heat stress in wild zebra finches</i>	4A
11:25 - 11:45	- Susanna van Donk, Royal Netherlands Institute for Sea Research	<i>Energetic consequences of foraging in different habitats</i>	4A
11:45 - 12:05	- Valeria Mazza, University of Potsdam	<i>Individual variation in cognitive styles is reflected in foraging and anti-predatory strategies in a small mammal.</i>	4A
12:05 - 12:25	- Ed Parker, Liverpool John Moores University	<i>Living in a landscape of fear: behavioural flexibility of an aboreal primate in response to the spatial and temporal variation in predation risk and resource</i>	4A
12:25 - 12:45	- Russell Hill, Durham University	<i>Integrating leopards into the landscape of fear: impact on chacma baboon range use and behaviour</i>	4A
Parallel session 3D - Evolution of Behaviour theme (chair: Alice Auersberg)			Room
10:45 - 11:05	- Thomas Price, University of Liverpool	<i>The evolution of masturbation in birds</i>	4B
11:05 - 11:25	- Joseph Cooper, Queen Mary University of London	<i>Tenerife chaffinches learn songs slower than British chaffinches</i>	4B
11:25 - 11:45	- Kristina Kverková, Charles University	<i>Cellular composition and processing capacity of reptile brains in comparison with other amniotes</i>	4B
11:45 - 12:05	- Sabine Tebbich, University of Vienna	<i>Host versus parasite: recent changes in the host-parasite interaction between Darwin's finches and the invasive ectoparasite, <i>Philornis downsi</i></i>	4B
12:05 - 12:25	- Pavel Nemec, Charles University	<i>Neuronal Numbers in Avian Pallium: Implications for Evolution of Bird Intelligence</i>	4B
12:25 - 12:45	- Claudia Fichtel, German Primate Center	<i>The lemur baseline! How lemurs compare to monkeys and apes in a comprehensive cognition test battery</i>	4B
12:45 - 14:30	Lunch Break		
13:30 - 14:30	ASAB AGM		

Saturday 11th August; ACC Liverpool, Kings Dock, L3 4FP

14:30 - 16:15		Poster session	11,12
16:15 - 16:45		Coffee Break	Foyer
16:45 -18:45		Oral session 4	
Time	Name	Title	Room
Parallel session 4A - Symposium: Acoustic signature in animal vocalisations (chairs: Livia Favaro, Marco Gamba, Marina Scheumann)			
16:45 - 17:05	- Vincent Janik, University of St Andrews	<i>Bottlenose dolphin signature whistles are learned, representational identity signals</i>	3
17:05 - 17:25	- Julie Oswald, University of St Andrews	<i>Do dolphin whistles carry information about species identity?</i>	3
17:25 - 17:45	- Livio Favaro, University of Turin	<i>Rhythmic signatures in the display songs of the African penguin</i>	3
17:45 - 18:05	- Maxime Garcia, University of Lyon	<i>Punctuated evolution of information in a communication signal</i>	3
18:05 - 18:25	- Marina Scheumann, University of Veterinary Medicine Hannover	<i>Encoding individual identity in mammalian vocalizations: A comparative approach</i>	3
18:25 - 18:45	- Marco Gamba, University of Turin	<i>Acoustic cues to species and caller identity in the short- and long-distance vocalisations</i>	3
Parallel session 4B - Symposium: The trade-offs of honest signals; Networks/Other theme (chair: Dustin Penn)			
16:45 - 17:05	- Dustin Penn, Konrad Lorenz Institute of Ethology	<i>The trade-offs of honest signals</i>	1C
17:05 - 17:25	- Szabolcs Számadó, MTA Centre for Social Science	<i>One problem, too many solutions: How costly is honest signalling of need?</i>	1C
17:25 - 17:45	- Jose Cuervo, Museo Nacional de Ciencias Naturales	<i>The cost of producing sexual chemical signals by male Carpetan rock lizards: consequences for reproductive success</i>	1C
17:45 - 18:05	- Stefan Fischer, University of Liverpool	<i>Competitive signalling and reproductive success in female house mice</i>	1C
18:05 - 18:25	- Agata Kokocinska, IGHZ PAS	<i>Olfactory training in mice.</i>	1C
18:25 - 18:45	- Christina Stanley, University of Chester	<i>Social networks and welfare in captive Livingstone's fruitbats</i>	1C
Parallel session 4C - Behavioural Genetics & Early Development themes (chair: Pavel Němec)			
16:45 - 17:05	- Carina Bodden, University of Münster	<i>Shaping of behavioural phenotypes in mice: The role of experiences during the life time, serotonin transporter genotype and epigenetic modifications</i>	4A
17:05 - 17:25	- Jasmine Loveland, MPI Ornithology	<i>Characterizing functional consequences of the Ruff inversion: tissue-specific gene expression across three genetically determined male morphs</i>	4A
17:25 - 17:45	- David Wells, Liverpool John Moores University	<i>A vortex of inbreeding depression: the interplay between inbreeding depression and offspring care in a cooperative mammal</i>	4A
17:45 - 18:05	- Sophie Dupont, University of La Rochelle	<i>Long-term consequences of post-natal corticosterone exposure on metabolism and sexual attractiveness in house sparrows (Passer domesticus).</i>	4A
18:05 - 18:25	- Tobias Zimmermann, University of Münster	<i>Adaptive shaping of behavioural and neuroendocrine phenotypes during adolescence</i>	4A
18:25 - 18:45	- Mukta Watve, University of Bern	<i>Sensory mechanisms of social information transfer between parents and offspring in a cooperatively breeding cichlid</i>	4A
Parallel session 4D - Social Behaviour theme (chair: Jorg Massen)			
16:45 - 17:05	- Michael Taborsky, University of Bern	<i>Olfactory communication of need and helpfulness in reciprocal cooperation of rats</i>	4B
17:05 - 17:25	- Lea Prox, University of Konstanz	<i>Conceptualizing dimensions of sociality reveals both gaps and opportunities</i>	4B
17:25 - 17:45	- Kristine Meise, University of Liverpool	<i>Fear or food: what is driving the formation of mixed species groups?</i>	4B
17:45 - 18:05	- Jordan Martin, Emory University	<i>Prosociality enhances dyadic cooperation in common marmosets (Callithrix jacchus)</i>	4B
18:05 - 18:25	- Jan Naef, University of Bern	<i>Division of Labour in Cooperative Breeders</i>	4B
18:25 - 18:45	- Andreas Rose, University of Ulm	<i>Social learning by following? Testing for communal foraging of mother-pup pairs in a flower-visiting bat species</i>	4B
19:15		Social dinner and ASAB medal presentation (Royal Liver Building, Liverpool Waterfront, L3 1HU)	

Sunday 12th August; ACC Liverpool, Kings Dock, L3 4FP

09:00 - 10:15	Announcements & plenary 4		Room
09:15 - 10:15	- Amanda Seed, University of St. Andrews	<i>Seeking the Origins of Inquiring Minds - Studies of Causality and Control in Primates and Children</i> (chair: Will Swaney)	3
10:15 - 10:45	Coffee break		Foyer
10:45 - 12:45	Oral session 5		
Time	Name	Title	Room
Parallel session 5A - Behavioural Ecology theme (chair: Niclas Kolm)			
10:45 - 11:05	- Alice Auersperg, University of Veterinary Medicine Vienna	<i>Goffin's cockatoos (Cacatua goffiniana) flexibly adjust the length but not the width of their tools to function during tool manufacture</i>	1C
11:05 - 11:25	- Romana Gruber, University of Auckland	<i>New Caledonian crows use planning to solve metatool problems</i>	1C
11:25 - 11:45	- Carolina Doran, Leibniz Institute of Freshwater Ecology & Inland Fisheries	<i>Attack position of two aerial fish predators: Can a generalist outcompete a specialist?</i>	1C
11:45 - 12:05	- Adam Fisher, University of Liverpool	<i>Sexual cannibalism is not part of a behavioural syndrome in <i>Miomantis caffra</i></i>	1C
12:05 - 12:25	- Wolfgang Goymann, MPI Ornithologie	<i>Males paving the way to polyandry? Parental compensation in a monogamous biparental nesting cuckoo</i>	1C
12:25 - 12:45	- Nadine Müller, University of Göttingen	<i>Closing the can of worms - disentangling risk and protective factors for gastrointestinal parasite infections in a nonhuman primate</i>	1C
Parallel session 5B - Social Behaviour theme (chair: Claudia Fichtel)			
10:45 - 11:05	- Francis McGlone, Liverpool John Moores University	<i>The Comparative Neurobiology of Gentle Touch: From Lowly Worm to Social Man</i>	3
11:05 - 11:25	- Renata Mazzei, University of Neuchâtel	<i>Does habitat use influence social behaviour and cognition in marine cleaning gobies?</i>	3
11:25 - 11:45	- Julia Ostner, University of Göttingen	<i>Effects of progressing age on social selectivity and behavioural predictability in Barbary macaques</i>	3
11:45 - 12:05	- Harriet Thatcher, Liverpool John Moores University	<i>Anthropogenic pressure and social networks in urban vervet monkeys</i>	3
12:05 - 12:25	- Robin Morrison, University of Cambridge	<i>Multi-level gorilla society</i>	3
12:25 - 12:45	- Nicola Koyama, Liverpool John Moores University	<i>Flexibility of social networks in zoo chimpanzees</i>	3
Parallel session 5C - Communication theme (chair: Tereza Petrusková)			
10:45 - 11:05	- Robert Lachlan, Queen Mary University of London	<i>Losing the ability to learn: evolution of song learning in island populations of chaffinches</i>	4A
11:05 - 11:25	- Mireia Plaza, National Museum of Natural Science (CSIC)	<i>Female incubation attendance and nest vigilance reflect social signalling capacity: a field experiment</i>	4A
11:25 - 11:45	- Hazel Nichols, Liverpool John Moores University	<i>Smelling the bun in the oven: Pregnancy is detected by odour in a wild cooperative breeder</i>	4A
11:45 - 12:05	- Nancy Rebut, University of Strasbourg	<i>Comparing the acoustic structure of agonistic vocalizations in tolerant and intolerant macaques: a test of the social complexity hypothesis</i>	4A
12:05 - 12:25	- Claudia Wascher, Anglia Ruskin University	<i>Behavioural responses to conspecific vocalizations in carrion crows: effects of caller identity and context</i>	4A
12:25 - 12:45	- Lucille Le Maguer, LECD, Université Paris Nanterre	<i>Cultural evolution and artificial dialects in zebra finches (Taeniopygia guttata)</i>	4A
Parallel session 5D - Behavioural Physiology theme (chair: Pat Monaghan)			
10:45 - 11:05	- Eva Landova, Charles University	<i>Snakes as emotionally salient stimuli for humans: Fear and disgust emotions evoked by snakes</i>	4B
11:05 - 11:25	- Kerstin Thonhauser, University of Veterinary Medicine Vienna	<i>Does strategic sperm production depend upon male quality?</i>	4B
11:25 - 11:45	- Franziska Schaedelin, Veterinary Medicine Vienna	<i>The case of Neolamprologus caudopunctatus: why the greatest house doesn't make you a cooperative fellow</i>	4B
11:45 - 12:05	- Verena Puehringer-Sturmayer, University of Vienna	<i>Paternal stress in successful Northern bald ibis males: Behavioural, physiological and parasite load evidence</i>	4B
12:05 - 12:25	- Alexandra Mutwill, University of Münster	<i>Reshaping of neuroendocrine profiles beyond adolescence</i>	4B
12:25 - 12:45	- Barbara Koenig, University of Zurich	<i>Social partner preference for communal nursing in house mice – the role of oxytocin</i>	4B
12:45 - 14:00	Lunch break		
14:00 - 16:30	Niko Tinbergen award, plenary 5 & close		3
14:00 - 15:00	- Jorg Massen, University of Vienna	<i>Niko Tinbergen Award: Studying the evolution of prosociality and cooperation in birds</i>	3
15:00 - 16:00	- Judy Stamps, University of California, Davis	<i>Bayesian development for empiricists</i> (chair: Hazel Nichols)	3
16:00	Closing ceremony and student prizes		3