

VII EUROPEAN CONFERENCE ON BEHAVIOURAL BIOLOGY

Programme

Prague July 17-20, 2014



Welcome to the European Conference on Behavioral Biology in Prague, Czech Republic, 2014

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Please make sure you wear your name tag during the whole conference! The badge is your ticket to coffee breaks, social dinner, and lecture rooms.



The conference organizing institutions:

Czech and Slovak Ethological Society
Institute of Animal Science in Prague
Czech University of Life Sciences Prague

Cover: Luděk Bartoš

Programme Editors:

Jitka Bartošová, Luděk Bartoš, Michaela Olléová

Programme overview

Thursday, July 17th

16:00 – 18:00 Registration (*Canteen*)

18:00 – 20:00 Welcome drink (*Canteen*)

Friday, July 18th

08:00 – 18:00 Registration (*SIC*)

09:00 – 09:20 Opening ceremony (*Congress hall*)

09:20 – 10:20 Plenary lecture

10:20 – 10:50 Coffee break

10:50 – 12:30 Symposia/Sessions

12:30 – 14:00 Lunch

14:00 – 15:00 Plenary lecture

15:00 – 16:00 Posters (odd numbers) and Coffee break

16:00 – 18:00 Symposia/Sessions

18:30 AGM of Czech and Slovak Ethnological Society (MII)

Saturday, July 19th

09:00 – 10:00 Plenary lecture

10:00 – 10:30 Coffee break

10:30 – 12:30 Symposia/Sessions

12:30 – 14:00 Lunch

13:00 – 14:00 ASAB AGM (MI)

14:00 – 14:40 Nico Tinbergen Award: Erica van de Waal

14:40 – 15:40 Symposia/Sessions

15:40 – 16:40 Posters (even numbers) and Coffee break

16:40 – 18:00 Symposia/Sessions

19:00 – 24:00 Social dinner (*Canteen*)

Sunday, July 20th

09:00 – 10:00 Plenary lecture

10:00 – 10:30 Coffee break

10:30 – 12:10 Symposia/Sessions

12:10 – 12:30 Closing ceremony (*Congress hall*)

12:30 Lunch

Symposia conveners

Symposium 1: Testing functions of bird vocalization in the field

Tereza Petrusková, Silke Kipper

Symposium 2: Determination of cognitive skills in birds and other animals

Eva Landová, Thomas Bugnyar

Symposium 3: Maternal effects and behaviour in birds

Michal Zeman, Aline Bertin

Symposium 4: Animal personality in comparative perspective

Martina Konečná, Alexander Weiss

Symposium 5: Birds, brains, and behaviour

Lubica Niederová-Kubíková, Tom V. Smulders

Symposium 6: Power of Memory: From neurobiology and comparative studies to neurocognitive diagnostics

Ales Stuchlík, Malgorzata Wesierska

Symposium 7: Adaptive value of developmental plasticity

Barbara Taborsky, Nikolaus von Engelhardt

Symposium 8: Affective states and the proximate control of behaviour

Michael Mendl, Lorenz Gygas

Symposium 9: Primate cognition: Comparative and developmental perspective

Tereza Nekovářová, Ludise Malkova

Symposium 10: Predator-prey interactions

Charlotte K. Hemelrijk, Graham K Taylor

Symposium 11: Recent advances in our understanding of livestock and zoo animal vocal communication

Livio Favaro, Alan McElligott

Symposium 12: Cooperative behaviour among non-kin

Michael Taborsky, Christina Riehl

Symposium 13: Reference frames in spatial memory

Kamil Vlček, Kinga Igloi

Symposium 14: Environmental influences on avian vocal behaviour

Stefan Leitner, Rupert Marshall

Friday, July 18 morning (1/2)

Time		SIC/Congress hall	SIC/Room 269	TF/Room 6
9:00	9:20	Opening ceremony		
9:20	10:20	Plenary lecture (Introduction: Michael Taborsky) Alexandre Roulin: <i>Interactions between young siblings: from rivalry to negotiation up to cooperation</i>		
10:20	10:50	Coffee break		
		Session 1	Symposium 1	
		Mating system and behaviour	Testing functions of bird vocalization in the field	
10:50	11:10	S. Begall: New-house-effect: Change in housing conditions provokes mating in Zambian <i>Fukomys anselli</i> mole-rats	S. Kipper: Syntax-like structures in song sequences? A network-analytical approach.	
11:10	11:30	M. Eckenweber: Social influences on the courtship behavior of the male greater sac-winged bat, <i>Saccopteryx bilineata</i>	E. C. Perez: Corticosterone-induced offspring begging modifications affect parental nest visits and foraging behaviour in wild zebra finch.	

Friday, July 18 morning (1/2)

Time		TF/M I	TF/M II	TF/M III
9:00	9:20			
9:20	10:20			
10:20	10:50	Coffee break		
		Symposium 2	Session 2	Symposium 3
		Determination of cognitive skills in birds and other animals (1/3)	Information transfer among species	Maternal effects and behaviour in birds
10:50	11:10	T. Bugnyar: "Raven Politics" - Understanding and use of third-party relation	Zs. Virányi: Tolerance and social attentiveness in dogs and wolves: Tracking the evolutionary origins of dog-human cooperation	B. Tschirren: Good mums, bad mums: What maintains variation in maternal investment in wild bird populations?
11:10	11:30	P. Němec: Small brains, great minds: cellular scaling rules for bird brains	C. Nawroth: Goats that stare at men - Dwarf goats (<i>Capra aegagrus hircus</i>) alter their behaviour depending on the head and body orientation of a human	C. Houdelier: Non-genetic inheritance in birds : transmission of behaviour from mother to offspring

Friday, July 18 morning (2/2)

Time		SIC/Congress hall	SIC/Room 269	TF/Room 6
		Session 1	Symposium 1	
		Mating system and behaviour	Testing functions of bird vocalization in the field	
11:30	11:50	C. von Kürthy: Contest vs. scramble competition between males pursuing alternative mating tactics	L. Gill: Straight from the jackdaw's beak – individual on-bird recordings from a colony of free-living jackdaws (<i>Corvus monedula</i>)	
11:50	12:10	R. M. Costa: Resting heart rate variability is related to sexual desire in both sexes	S. J. van Boheemen: Sexual dependent situations evoke real time adjustment in song composition in male Blackcaps (<i>Sylvia atricapilla</i>)	
12:10	12:30	W. Goymann: Environmental and intrinsic factors in determining sex-roles? A comparison of black and white-browed coucals	T. Petrusková: Variation in trill characteristics in bird song: different trills for different use?	

Friday, July 18 morning (2/2)

Time		TF/M I	TF/M II	TF/M III
		Symposium 2	Session 2	Symposium 3
		Determination of cognitive skills in birds and other animals (1/3)	Information transfer among species	Maternal effects and behaviour in birds
11:30	11:50	C. Fichtel: Sociality and communicative complexity in Malagasy Primates	R.J.G. Clement: Collective cognition in fish and humans: observing others allows individuals in groups to overcome a fundamental limitation to decision accuracy	V. C. Goerlich-Jansson: Transgenerational effects of the social environment on endocrine profiles and behaviour in Japanese quail (<i>Coturnix c. japonica</i>)
11:50	12:10	M. Cauchoix: Does it pay to be flexible? Life history consequences of reversal learning abilities in wild Great tits (<i>Parus major</i>)	A. Labra: Production and perception of ultrasound in the weeping lizard: a puzzling mismatch	M. Okuliarova: Genetic and experimentally-driven variability of yolk testosterone levels in Japanese quail
12:10	12:30	K. Krueger: Social learning in horses	D. Frynta: Beauty of mammalian species as perceived by local people in Dja biosphere reserve in Cameroon: differences between Baka hunters and Bantu farmers	Á. Pogány: Social effects of parental care: chicks' expectation is influenced by provisioning experiences

Friday, July 18 afternoon (1/2)

Time		SIC/Congress hall	SIC/Room 269	TF/Room 6
12:30	Lunch			
14:00	15:00	Plenary lecture (Introduction: Leonida Fusani) Tecumseh Fitch: Evolution of honest signalling		
15:00	16:00	Posters (1) and Coffee break		
		Symposium 4	Symposium 5	Symposium 6
		Animal personality in comparative perspective (1/4)	Birds, Brains, and Behaviour	Power of Memory: From neurobiology and comparative studies to neurocognitive diagnostics
16:00	16:20	A. Carter: Social networks, social information and personality in wild baboons	L. Niederova-Kubikova: Role of the striatal vocal region in adult songbirds	A. Stuchlik: Memory and cognitive control in animal models of brain disorders(1)
16:20	16:40	V. Wilson: Personality assessment in squirrel monkeys (<i>Saimiri sciureus</i> and <i>S. boliviensis</i>)	T. V. Smulders: Spatial memory of food-hoarding birds: cued or free recall?	A. Stuchlik: Memory and cognitive control in animal models of brain disorders(2)
16:40	17:00	M. Konečná: Personality and social relationships	Ch. Ebner: Good Mothers, smart offspring: prenatal conditions affect brain development and learning in a precocial bird	M. Wesierska: Modulation of cognitive control in rat's model of spatial working memory

Friday, July 18 afternoon (1/2)

Time		TF/M I	TF/M II	TF/M III
15:00	16:00	Posters (1) and Coffee break		
		Symposium 2	Session 3	Symposium 7
		Determination of cognitive skills in birds and other animals (2/3)	Mating preferences	The adaptive value of developmental plasticity
16:00	16:20	T.M.E. Matzinger: Technical Problem-solving, Tool-use and Insight in Common Ravens (<i>Corvus corax</i>) and Carrion Crows (<i>C. corone</i>)	P. J. Fonseca: Calling predicts mating success in the Lusitanian toadfish	B. Taborsky: Mechanisms and adaptive function of developmental plasticity (1)
16:20	16:40	A. M. I. Auersperg: Social Transmission of Tool Use and Tool Manufacture in Goffin Cockatoos (<i>Cacatua goffini</i>)	M. C. P. Amorim: Agonistic sounds signal male quality in the Lusitanian toadfish	B. Taborsky: Mechanisms and adaptive function of developmental plasticity (2)
16:40	17:00	L. Calandrea: Relationships between emotionality trait and spatial learning strategy in Japanese quail	P. Hutter: Sex-specific mating preferences for familiarity and genetic dissimilarity in Japanese Quail (<i>Coturnix japonica</i>)	N. von Engelhardt: Long-lasting influences of the social environment adolescence on adult behaviour – a neglected period of developmental plasticity

Friday, July 18 afternoon (2/2)

Time		SIC/Congress hall	SIC/Room 269	TF/Room 6
		Symposium 4	Symposium 5	Symposium 6
		Animal personality in comparative perspective (1/4)	Birds, Brains, and Behaviour	Power of Memory: From neurobiology and comparative studies to neurocognitive diagnostics
17:00	17:20	C. Garai: Factors influencing personality in wild bonobos	M. Spierings: Element String Segmentation by Zebra finches	K. Vlček: Episodic-like memory impairment in mild cognitive impairment
17:20	17:40	V. Slipogor: Hormonal levels reveal personality in marmosets?	L. Fusani: Sexual selection on male acrobatics: female choice for neuromuscular skills	T. Nekovářová: Processing of abstract spatial information in humans and monkeys: Rotation vs. Translation
17:40	18:00	R. Miller: Response to changes in the environment in common ravens and carrion crows: influence of development and social context	Change! M. Stocker: Ravens' stress responses to separations depend on social integration	I. Fajnerová: Spatial cognition in virtual reality: Virtual tests developed for schizophrenia patients based on animal research

Friday, July 18 afternoon (2/2)

Time		TF/M I	TF/M II	TF/M III
		Symposium 2	Session 3	Symposium 7
		Determination of cognitive skills in birds and other animals (2/3)	Mating preferences	The adaptive value of developmental plasticity
17:00	17:20	E. Landová: Comparing cognitive performance in qualitative spatial task: Are pigeon smarter than tits?	M. Linnenbrink: MHC – what do we learn from wild mice?	S. Kecko: Effects of food quality on growth, survival, immunity, and immunity-related gene expression in the great wax moth
17:20	17:40	L. Guillette: Social learning in nest building zebra finches	M. Lafaille: Is the interest of a male in unfamiliar females affected by the duration of prior monogamy? A study in the mound building mouse.	A. Herde: Effects of seasonal manipulation on personality and stress response in young common voles
17:40	18:00	Change! R. Šárová: The effect of early social environment on the avoidance distance in dairy heifers	M. Knörnschild: Receivers matter: Sex-specific responses to alert calls in nectar-feeding bats (<i>Glossophaga soricina</i>)	General discussion
18:30			AGM Czech and Slovak Ethological Society	

Saturday, July 19 morning (1/2)

Time		SIC/Congress hall	SIC/Room 269	TF/Room 6
9:00	10:00	Plenary lecture (Introduction: Luděk Bartoš) Hynek Burda: Improbable research in behavioural biology: Research that first makes people laugh, and then makes them think		
10:00	10:30	Coffee break		
		Symposium 4	Symposium 8	Symposium 9
		Animal personality in comparative perspective (2/4)	Affective states and the proximate control of behaviour	Primate cognition: Comparative and developmental perspective
10:30	10:50	P. T. Niemelä: Artificial environments and the study of 'adaptive' personalities	M. Mendl: Affect, value, probability and decision-making	T. Nekovářová: Object permanence in macaques: Who can win a shell game?
10:50	11:10	T. J. Urszán: Environmental contribution to the emergence of behavioural consistency	L. Gygas: Affective states and proximate control of behaviour: a model and data on mood – emotion interactions	L. Malkova: Brain maturation and object recognition
11:10	11:30	F. Santostefano: Interacting phenotypes and the maintenance of between-individual behavioural variation in Field crickets	M. Bateson: Developmental stress predicts 'optimistic' judgement biases in European starlings	M. Fröhlich: Development and signal variety of gestural communication in mother-infant dyads of wild chimpanzees

Saturday, July 19 morning (1/2)

Time		TF/M I	TF/M II	TF/M III
10:00	10:30	Coffee break		
		Symposium 2	Session 4	Symposium 10
		Determination of cognitive skills in birds and other animals (3/3)	Group living (1/2)	Predator-prey interactions (1/2)
10:30	10:50	P. Veselý: Predator recognition by red-backed shrikes – importance of predator colour, size and presence of key features	R. E. van Dijk: Cooperative investment in public goods is kin-directed in communal nests of social birds	Ch. K. Hemelrijk: No need for long range anticipation to generate waves of agitation in starling flocks
10:50	11:10	S. Grambauer: The visual perception of avian predators by three-spined sticklebacks (<i>Gasterosteus aculeatus</i>)	M. J. Hurtado: Organization of work in a collective building species, <i>Mus spicilegus</i>	F. Zoratto: From the side of the flock to the side of the predator: starlings against peregrine falcons
11:10	11:30	S. Healy: Variation in nest composition in blackbirds	J. del Barco-Trillo: Beyond aggression: testosterone's modulation of social interactions among subordinate males in the cooperatively breeding meerkat	R. N. Abbey-Lee: Effects of Perceived Predation Risk on Great Tits

Saturday, July 19 morning (2/2)

Time		SIC/Congress hall	SIC/Room 269	TF/Room 6
		Symposium 4	Symposium 8	Symposium 9
		Animal personality in comparative perspective (2/4)	Affective states and the proximate control of behaviour	Primate cognition: Comparative and developmental perspective
11:30	11:50	Y. Alcalay: Behavioral consistency and personality in pit-building antlion larvae under varying environmental axes	S. Düpjan: How to repeatedly test pigs' judgement bias using a spatial paradigm	M. Bourjade: A window on the proximal mechanisms of intentional communication in primates
11:50	12:10	A. Burns: Individual variation and behavioural interactions in an obligate mutualism	K. Igloi: A nap to recap: reward strengthens rational memory during daytime sleep	E. H. M. Sterck: Cooperative cheating: macaque females and subordinate males hide mating behaviour
12:10	12:30	R. Folkertsma: Personality and female behaviour under risk of infanticide in the bank vole (<i>Myodes glareolus</i>)	C. Müller: Dogs discriminate emotional expressions of human faces in pictures	A. M. Overduin-de Vries: Long-tailed macaques (<i>Macaca fascicularis</i>) understand what conspecifics can see in a competitive situation

Saturday, July 19 morning (2/2)

Time		TF/M I	TF/M II	TF/M III
		Symposium 2	Session 4	Symposium 10
		Determination of cognitive skills in birds and other animals (3/3)	Group living (1/2)	Predator-prey interactions (1/2)
11:30	11:50	S. A. Reber: No training, just evolution: Spontaneous response to structural changes in duets by Common ravens (<i>Corvus corax</i>)	S. von Merten: Also mouse girls like to chatter: The ultrasonic vocalisation of female and male wild house mice from two different populations	N. Nishiumi: Immobility as a gaining time tactic for predation avoidance in frogs
11:50	12:10	J. Lindová: Interspecies prosociality determines the ability of African grey parrots to imitate human speech	K. Montero: Behavioural strategies and acoustic signaling involved in the highly cohesive social structure of a leaf roosting bat	C. Kemp: The Response of Common Marmosets to Auditory and Olfactory Predator-Based Stimuli and the Influence of These Modalities on a Visual Stimulus
12:10	12:30	General discussion	J. Essler: A preliminary study of the function of social play in captive wolves	C. H. Brighton: Peregrine falcons intercept targets using proportional navigation – the same feedback law as used by most guided missiles

Saturday, July 19 afternoon (1/2)

Time		SIC/Congress hall	SIC/Room 269	TF/Room 6
12:30	14:00	Lunch		
14:00	14:40	Niko Tinbergen – Award (Introduction: Peter Kappeler Erica van de Waal: Field experiments reveal the scope of social learning in vervet monkeys)		
		Session 5	Symposium 11	Session 10
		Miscellanea	Recent advances in our understanding of livestock and zoo animal vocal communication (1/2)	Added: Miscellanea 2
14:40	15:00	J. Mehlhorn: Social parameters like sex or mating status have an influence on homing performance of a familiar route in pigeons	A. McElligott: Recent advances in our understanding of livestock vocal communication	V. Corrales: Elucidating the effect of internal state in nutritional decision-making dynamics in <i>Drosophila melanogaster</i>
15:00	15:20	A. Pašukonis: Experimental evidence of learned spatial maps in a dart-poison frog, <i>Allobates femoralis</i>	E. F. Briefer: Expression of emotional arousal and valence in horses	A. Dušek: Hormonal control of non-breeding territoriality in male American martens
15:20	15:40	I. Pipoly: Adult sex ratios are biased towards the homogametic sex in amphibians and reptiles	M. Padilla de la Torre: Acoustic analysis of domestic cattle (<i>Bos taurus</i>) contact calls from a source-filter theory perspective	O. Ovadia: Examining growth rate and starvation endurance in pit-building antlions from semi-arid and hyper-arid regions
15:40	16:40	Posters (2) and Coffee break		

Saturday, July 19 afternoon (1/2)

Time		TF/M I	TF/M II	TF/M III
13:00	14:00	ASAB AGM		
		Symposium 12	Session 4	Session 6
		Cooperative behaviour among non-kin (1/3)	Group living (2/2)	Parasite manipulation
14:40	15:00	M. Taborsky: The significance of information in reciprocal cooperation	C. Bret: Social Credibility Index: a new approach to explaining leadership processes	M. Gopko: Die another day: Non-infective eyeflukes make fish less vulnerable to the predation
15:00	15:20	I. Krams: Mechanisms of reciprocity in breeding birds	C. C. Ioannou: Potential leaders trade off goal-orientated and socially-orientated behaviour in fish schools	S. Tebbich: Behavioral changes in an invasive parasitic fly and its avian hosts, the Darwin's finches
15:20	15:40	V. Dolivo: Norway rats reciprocate according to perceived quality of received help	K. Ozogány: Modeling leadership hierarchy in wild horses	J. O. Loukola: Great tits hide their success
15:40	16:40	Posters (2) and Coffee break		

Saturday, July 19 afternoon (2/2)

Time		SIC/Congress hall	SIC/Room 269	TF/Room 6
		Symposium 4	Symposium 11	Symposium 13
		Animal personality in comparative perspective (3/4)	Recent advances in our understanding of livestock and zoo animal vocal communication (2/2)	Reference frames in spatial memory
16:40	17:00	A. Weiss: Using data reduction to understand animal personality	M. Garcia: Call classification design of the Wild Boar (<i>Sus scrofa</i>) complex vocalization system.	K. Vlček: Independent cognitive maps of two reference frames dissociated by rotation in human
17:00	17:20	P. Tkaczynski: Integrating mechanistic and functional approaches to understand personality variation in Barbary macaques (<i>Macaca sylvanus</i>)	P. Linhart: Acoustic coding of emotional state: call types matter	E. Kelemen: Coordination of two spatial reference frames in activity of hippocampal neurons
17:20	17:40	C. M. Arnaud: Willingness to explore a novel food is genetically transmitted in free-ranging Japanese macaques	L. Favaro: Studying animal vocal communication in zoos: overview and practical example	K. Iglói: Interaction between hippocampus and cerebellum Crus I in navigation based on allocentric and egocentric reference frames
17:40	18:00	E. Kubinyi: Association of novel oxytocin receptor gene polymorphisms with sociality and activity of Siberian Husky dogs	I. Schneiderova: Vocal activity of bush babies from the genus <i>Galago</i> kept in zoos: bioacoustics as an alternative for species determination in captivity	General discussion
19:00	Social dinner			

Saturday, July 19 afternoon (2/2)

Time		TF/M I	TF/M II	TF/M III
		Symposium 12	Session 7	Symposium 10
		Cooperative behaviour among non-kin (2/3)	Foraging strategies and behaviour	Predator-prey interactions (2/2)
16:40	17:00	N. Gerber: Norway rats use olfactory cues to cooperate reciprocally in an iterated prisoner's dilemma game	M. Hansen: The effect of nutritional deprivation and the distribution of nutrients on socially foraging mosquitofish (<i>Gambusia holbrooki</i>)	E. D. Barkae: Consequences of geographical distance and environmental dissimilarity on cannibalism in pit-building antlions
17:20	17:40	C. Ritter: Tolerance predicts raven cooperation in the loose string paradigm	E. Scheibler: Coexistence and foraging in harsh environments – observations in a free-living small mammal species community in Alashan desert	R. S. Mirza: Effects of low environmental calcium on antipredator behaviour in prey fishes
17:20	17:40	M. Olléová: Effect of social system on allosuckling and adoption in zebra species	C. Siutz: Reproductive output and overwintering strategies in female Common hamsters	A. Hettyey: The relative importance of prey-borne and predator-borne chemical cues for antipredator behaviour in tadpoles
17:40	18:00	F. Mafessoni: Evolutionary dynamics of empathy and emotional contagion	A. Rose: Social learning facilitates foraging behavior in Pallas' Long-tongued Bats	General discussion
19:00	Social dinner			

Sunday, July 20 morning (1/2)

Time		SIC/Congress hall	SIC/Room 269	TF/Room 6
9:00	10:00	Plenary lecture (Introduction: Gudrun Illmann) Christine J. Nicol: The foundations of empathy – how chickens react to conspecific distress		
10:00	10:30	Coffee break		
		Symposium 4	Symposium 14	
		Animal personality in comparative perspective (4/4)	Environmental influences on avian vocal behaviour	
10:30	10:50	M. Yli-Renko: Survival costs of personality in marine isopod <i>Idotea balthica</i>	S. Leitner: Environmental and genetic control of song learning in songbirds	
10:50	11:10	J. Vrublevska: Sex-specific associations between nest defense, exploration and breathing rate in breeding pied flycatchers	R. C. Marshall: One species, two songs? Response to song in physically and acoustically varied environments	
11:10	11:30	G. Horváth: Behavioural type, behavioural variation and individual characteristics in reproductive male Carpetan rock lizards (<i>Iberolacerta cyreni</i>)	K. Halupka: Spreading of information in a network of interacting neighbours	

Sunday, July 20 morning (1/2)

Time		TF/M I	TF/M II	TF/M III
10:00	10:30	Coffee break		
		Symposium 12	Session 8	Session 9
		Cooperative behaviour among non-kin (3/3)	Conflicts on parental care and offspring survival	Behavioural consequences of domestic condition
10:30	10:50	C. Riehl: Evolutionary origins of animal social groups: a comparative phylogenetic approach	L. Bartoš: Sociobiological aspect of reproductive failure in domestic dog	Change! C. D. L. Wynne: What's so special about dog's responsiveness to human beings?
10:50	11:10	A. E. Quiñones: Negotiation and appeasement can be more effective drivers of sociality than kin selection	J. Bartošová: Artificial insemination-induced pregnancy block in domestic horse mares as a counterstrategy against potential infanticide	G. Illmann: Do domestic sows react on increase litter competition by not releasing milk?
11:10	11:30	A. Jungwirth: Polygamy, conflict and cooperation in cooperatively breeding cichlids	Change! A. Antonevich: Sibling aggression in lynx can be the payoff for fast growth	R. Kotrba: High occurrence of allosuckling in farmed eland (<i>Taurotragus oryx</i>) supports misdirected parental care hypothesis

Sunday, July 20 morning (2/2)

Time		SIC/Congress hall	SIC/Room 269	TF/Room 6
		Symposium 4	Symposium 14	
		Animal personality in comparative perspective (4/4)	Environmental influences on avian vocal behaviour	
11:30	11:50	M. Rangassamy: Similarity of personality positively affects the onset of reproduction: a study in a monogamous rodent	G. Huet des Aunay: Female maternal investment in response to attractive male songs under urban noise conditions in domestic canaries <i>Serinus canaria</i>	
11:50	12:10	General discussion	E. Vincze: Flight initiation distance and habituation to humans in urban and rural house sparrows	
12:10	12:30	Closing ceremony		
12:30	Lunch			

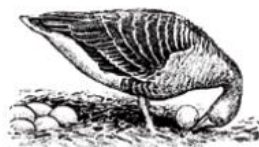
Sunday, July 20 morning (2/2)

Time		TF/M I	TF/M II	TF/M III
		Symposium 12	Session 8	Session 9
		Cooperative behaviour among non-kin (3/3)	Conflicts on parental care and offspring survival	Behavioural consequences of domestic condition
11:30	11:50	R. Gadagkar: Evolution of social behaviour in the primitively eusocial wasp <i>Ropalidia marginata</i>: do we need to look beyond kin selection?	J. Pluháček: May allosuckling in zebras be important for the discussion on the meaning of suckling duration?	S. Briefer Freymond: Physiological difference between crib-biters and control horses in a standardised ACTH challenge test
11:50	12:10	General discussion		H. Telkänranta: Reducing oral-nasal manipulation in commercially farmed pigs: fresh wood enhances the efficacy of straw
12:10	12:30			
12:30	Lunch			

Notes:



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