

Tuesday, 26 July 2011

8:00	PLENARY LECTURE (IU Auditorium) 8:00-9:15am Regina H. F. Macedo: Social and mating systems of tropical birds: elaborate costumes and wild dances				
9:15	Morning Break, 9:15-9:45am View posters (IMU Alumni Hall/Solarium and IMU Georgian)				
Time	IU Auditorium	Woodburn 100	IMU Whittenberger	Fine Arts 015	IMU Frangipani
	Session: Communication I Moderator: Jeff Podos	Symposium: Sensory Pollution Organizers: Cordula Mora, B Siemers, S Coombs	Session: Sexual Selection I Moderator: Lisa Angeloni	Session: Social Behavior I Moderator: Esteban Fernández-Juricic	Session: Cognition and Learning I Moderator: Anne Clark
9:45	Courtship sounds indicate male quality in painted gobies (<i>P. pictus</i>). Amorim M et al, Inst Superior de Psicol Aplic Portugal	Sensory pollution- a new sub-discipline and an interdisciplinary, multi-agency approach. Mora C et al, Bowling Green State Univ USA	Throat feather length, age, and female mate choice in the European starling. Barber C et al, Saint Mary's Univ Canada	The response of southern hairy-nosed wombats (<i>Lasiorhinus latifrons</i>) to faeces. Descovich K et al, Univ Queensland Australia	Scaling as an index of sequence planning in Cotton-top Tamarins (<i>Saguinus oedipus</i>). Chapman K , Weiss D, Penn St Univ USA
10:00	Rapid onset of diet-quality detection via chemicals in a Pleth. salamander. Chouinard A , Oregon St Univ USA	Acoustic communication in the presence of noise. Brumm H , Max Planck Inst Ornithol Germany	Alternative reproductive tactics in female horseshoe crabs. Brockmann J , Johnson S, Univ Florida USA	An agent-based model concerning mechanisms of socio-spatial org in primate groups. Evers E et al, Utrecht Netherlands	Behav & brain response to flavoured-meals with visceral stimulations in pigs. Clouard C et al, INRA France
10:15	FishTalk, a new device to playback underwater fish sounds accurately. Fonseca P et al, Univ Lisbon Portugal		Effect of diet on female sampling & preference in the cricket, <i>Gryllus lineaticeps</i> . Bulfer H et al, Univ Nebr USA	My friend's enemy is my enemy: Structural balance in wild mammals. Iliny A et al, Tel Aviv Univ Israel	Developmental stress as a nestling erodes cognitive performance as an adult. Swaddle J , William & Mary USA
10:30	Information theory and the chick-a-dee call. Lucas J , Freeberg T, Purdue Univ USA	Effects of noise pollution on fish behavior and physiology. Popper A , University of Maryland USA	Natural selection and the maintenance of nuptial gift in two syntopic spiders. Costa-Schmidt L , Machado G, Univ São Paulo Brazil	Social niches and sex assortment: Uncovering the developmental ecology of Brown-Headed Cowbirds. Kohn G , Ind Univ USA	The visual side-bias in pigeons (<i>Columba livia</i>): The influence of age and gender. Kelly D , Wilzeck C, Univ Manitoba Canada
10:45	Whispering in a non-human primate. Morrison R , Reiss D, City Univ New York USA		Strong sexual selection drives variation in male courtship pheromones. Houck L et al, Oregon State Univ USA	Sociality and ontogeny of postconflict affiliation in rooks, jackdaws & Eur jays. Logan C et al, Univ Cambridge UK	Influence of tactile demands on manual laterality: catarrhinian species. Maille A et al Ethol Anim Hum France

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11:00	Determinants of RHP and escalation in aggressive interactions of gray treefrogs. Reichert M , Gerhardt C, Univ Missouri USA	Ecological consequences of artificial night lighting for night-migrating birds. Gauthreaux S , Clemson University USA	Male vocal behaviour & female mate choice in a tropical lekking bird, the Long-tailed Manakin. Maynard D et al, Univ Windsor Canada	The impact of the social context on sickness behavior. Lopes P , Bentley G, Univ California Berkeley USA	Using ideas of Kolmogorov complexity for studying behav & cognitive specialization. Panteleeva S et al, Inst Syst Ecol Anim Russia
11:15	The effect of ambient temperature on courtship and mating success in wolf spiders. Roberts J et al, Ohio State Univ Newark USA		Extra-pair fertilizations and the potential for sexual selection in a socially monogamous songbird. Nelson A et al, Ohio St Univ USA	Vocal learning & maintenance of vocal dialects in a parrot: field evidence. Salinas-Melgoza A , Wright T, N Mexico St Univ USA	Visual perspective taking in people with aphasia. Ramachandra V , Schneider E, Marywood Univ USA
11:30	Distinguishing death marks from fertility signals in a desert ant. Smith A et al, Arizona State Univ USA	The effects of polarized light pollution on animal behavior. Robertson B et al, Smithsonian Cons Biol Inst USA	Does sexual selection predict extinction threat in African birds? Reding L , Swaddle J, College William & Mary USA	Aerial alarm calling and risk-management tactics in fowl, <i>Gallus gallus</i> . Smith K et al, Macquarie Australia	Pavarottis & Einsteins: Song complexity & spatial learning in starlings. Farrell T et al, Univ W Ontario Canada
11:45	Duty cycle, not signal structure, explains receiver responses in chickadees. Wilson D , Mennill D, Univ Windsor Canada		Sexual selection in the sea; the benefit of female multiple mating in an Australian squid. Squires Z et al, Univ Melbourne Australia	Social network position: a new personality trait? Wilson A et al, Leibniz-Institute of Freshwater Ecology and Inland Fisheries Germany	What are the rule learning skills of zebra finches? ten Cate C et al, Leiden Univ Netherlands
12:00	LUNCH, 12:00-1:30 PM View posters (IMU Alumni Hall/Solarium and IMU Georgian) ICE Lunch (IMU State Room East)				
	Symposium: Animal Signals Organizer: Mike Ryan	Symposium: Sensory Pollution Organizers: Cordula Mora, B Siemers, S Coombs	Session: Parental Care I Moderator: Ikuko Tatsuta	Session: Social Behavior II Moderator: Regina Macedo	Session: Cognition and Learning II Moderator: Arián Avalos
1:30 PM	Information, meaning and "honesty" in animal signals. Fitch WT , Univ Vienna Austria	Sensory-based conservation strategies to reduce bycatch in the fishing industry. Brill R et al, National Marine Fisheries, NOAA USA	Male alarm calling, nestling begging & female provision in red-winged blackbirds. Yasukawa K , Bernath J, Beloit College USA	Unfavorable environment promotes cooperation in joint-nesting Taiwan Yuhinas. Shen S , Academia Sinica Taiwan	Comparing the use of stick tools by 3 wild groups of bearded capuchin monkeys. Ottoni E et al, Univ Sao Paulo Brazil

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1:45 PM			A proximate test of the detectability hypothesis for colorful nestling mouthparts. Dugas M , Univ Oklahoma USA	Biological markets principles and grooming exchange patterns in <i>Macaca thibetana</i> . Balasubramaniam K et al, SUNY Buffalo USA	Life in the city: social living, neophobia & innovation in urbanized avian species. Griffin A , Diquelou M, Univ Newcastle Australia
2:00 PM	No meaning required: Abandoning language-based and informational constructs in animal communication. Rendall D, Owren M , Univ Lethbridge Canada	Ocean acidification effects fish behavior and survival as a consequence of impaired chemoreception. Dixon D , James Cook Univ Australia	Parent cave swallows learn to recognize familiar young. Strickler S , Univ Oklahoma USA	Individual variation in the interaction networks of harvester ants. Pinter-Wollman N , Stanford Univ USA	Do solitary nocturnal arboreal mammals show planning abilities while foraging? Joly M , Zimmermann E, Univ Vet Med Germany
2:15 PM			A benefit of parasite egg tolerance by a host of the shiny cowbird. Gloag R et al, Univ Oxford UK	Context dependent behavioral plasticity due to habitat in wild zebrafish populations. Bhat A et al, Indian Inst Science Education and Research-Kolkata India	Behavioural profiles in black-capped chickadees: cognition and exploration. Guillette L et al, Univ Alberta Canada
2:30 PM	A general account of the evolution of communication. Scott-Phillips T , Univ Edinburgh UK	Anthropogenic noise filters bird communities nonrandomly. Francis C et al, NESCent USA	Effects of age & brooding in maternal behavior of a precocial bird. Pittet F et al, Ethol Anim et Hum France	Division of labor & task specialization in cooperative animals. Taborsky M et al, Univ Bern Switzerland	Flexible strategies for blindfolded imitation in a bottlenose dolphin. Jaakkola K et al, Dolphin Res Cent USA
2:45 PM		Low songs lose attractiveness in urban noise conditions. Halfwerk W et al, Leiden Univ Netherlands	Variation in female nest attendance in Florida scrub-jays: correlates and consequences. Wilcoxon T et al, Millikin Univ USA	Inferences from movement data on sociality in forest elephants (<i>Loxodonta cyclotis</i>). Schuttler S et al, Univ Missouri USA	Potentialities and the indeterminacy of nonhuman animal minds. Mourenza A , Univ California Santa Cruz USA
3:00 PM	Mid Afternoon Break, 3:00 -3:30 PM View posters (IMU Alumni Hall/Solarium and IMU Georgian)				

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	Symp: Animal Signals Moderator: Mike Ryan	Session: Mechanisms I Mod: Victoria Braithwaite	Session: Sex Selection II Moderator: Diana Hews	Session: Social Behav III Mod: Gabriel Francescoli	Appl Anim Behav I Moderator: Sue Margulis
3:30 PM	Aggressive signals are informative in songbirds and other animals. Searcy W , Nowicki S, Univ Miami USA	Experimental elevation of T lowers female fitness: adaptation & constraint. Gerlach N , Ketterson E, Indiana Univ USA	Males preference for spotty females: Not everyone has the numbers to win a mate. Zanollo V et al, Flinders Univ Australia	Long-term exposure to traffic noise alters social and risk-taking behavior. Owens J et al, Univ Tennessee USA	Short & long term effects of mother-bonded rearing on dairy cattle & humans. Wagner K et al, Inst Anim Husb & Welf Austria
3:45 PM		Transgenerational effects of yolk T on sexual differentiation in Japanese quail. Schweitzer C et al, Cornell Univ USA	Sperm precedence & female remating in a sexually cannibalistic praying mantid. Barry K , Macquarie Univ Australia	Colony relocation dynamics in a queenless Indian ant. Annagiri S , Sona C, Indian Institute of Science Education & Research India	Domestic sheep & individual distances when resting /feeding indoors. Jørgensen G et al, Norw Inst Agric Envir Res Norway
4:00 PM	Meaning and information in animal communication. Seyfarth R , Cheney D, Univ Pennsylvania USA	Trematode parasites are associated with hormone profiles in the California killifish. Weinersmith K et al, Univ Calif Davis USA	Signatures of different sexual selection mechs in the New World blackbird family. Price J , St. Mary's College Maryland USA	Genetic evidence for brood mixing in wild convict cichlid fish (<i>Amatitlania siquia</i>). Lee-Jenkins S et al, Carleton Univ Canada	The role of directional persistence in exploration. Soibam B et al, Univ Houston USA
4:15 PM		Effects of early-life stress on song preferences in song sparrows. Schmidt K et al, Univ W Ontario Canada	Social cues & sperm comp risk in the Pacific field cricket. Gray B et al, Univ Calif Riverside USA	The effect of within-group competition on cooperation in humans. Barker J et al, Cornell Univ USA	Species diffs in the prey recog algorithm used by praying mantises. Komito J et al, NE Illinois Univ USA
4:30 PM	What is a signal and what does information have to do with it? Morton E , Hemlock Hill Field Station USA	Effects of dominance on stress, parasites & immune par. in geese. Ludwig S et al, K Lorenz Res St Austria	Cognitive ability & evol of multiple behavioral display traits. Keagy J et al, Michigan State Univ USA	Insights into social org of wild Guinea baboons in Senegal. Fischer J , German Primate Center Germany	Stress in gestation, lactation housing & mat. behav in the pig. Ringgenberg N et al, Agric & AgriFood Canada
4:45 PM		Navigating monogamy: Socio-spatial neural mechs & alt mating tactics. Ophir A , Okla St Univ USA	Mate preference learning in a butterfly. Westerman E , Monteiro A, Yale Univ USA	Social skill and sexual selection. Sih A , Fogarty S, Chang A, Univ California Davis USA	Tail biting alters feeding behavior of victim pigs. Viitasaari E et al, Univ Helsinki Finland
5:00 PM	Late Afternoon Break, 5:00-5:15pm				
5:15 PM	PLENARY LECTURE (IU Auditorium) Hopi Hoekstra: Digging for genes that contribute to behavioral variation				
6:30 PM	DINNER 6:30 pm - 8:00 PM View posters (IMU Alumni Hall/Solarium and IMU Georgian)				
8:00 PM	PACHANGA LATINA (8-10:00 pm) IMU Frangipani (tickets required)				

Wednesday, 27 July 2011

Time	IU Auditorium	Woodburn 100	IMU Whittenberger	Fine Arts 015	IMU Frangipani
8:00	PLENARY LECTURE (IU Auditorium) 8:00-9:15am Frances Champagne: Epigenetics and the inheritance of behavioral variation				
9:15	Morning Break, 9:15-9:45am View posters (IMU Alumni Hall/Solarium and IMU Georgian)				
	Session: Animal Personalities Moderator: Donald Broom	Session: Applied Animal Behavior II Moderator: Marisa Fernandes-de-Castilho	Session: Development I Moderator: Danielle Dixson	Session: Communic. II Moderator: Percilia Giaquinto	Session: Cognition and Learning III Moderator: Shawn Nordell
9:45	Personality and performance in working dogs: reliability and validity of behavioral tests. Sinn D et al, Univ Texas Austin USA	Out of sight, out of mind! Are horses sensitive to human attention during an interaction? Fureix C et al, Univ Rennes 1 France	Effects of perinatal flavor learning on stress-related parameters in piglets. Oostindjer M et al, Wageningen Univ Netherlands	Birdsong performance & the evolution of simple (rather than elaborate) sexual signals. Cardoso G , Hu Y, CIBIO-Univ Porto Portugal	Nutritional constraints in the evolution and development of learning. Snell-Rood E et al, Univ Minnesota USA
10:00	Consistent behavioural syndromes reveal complex animal personalities in hermit crabs. Mowles S et al, Univ Plymouth UK	Environmental enrichment modulates effects of unpredictable repeated negative stimuli in birds. Laurence A et al, Univ Rennes 1 France	Social experiences during adolescence shape sexual behavior in adult male zebra finches. Ruploh T et al, Univ Bielefeld Germany	Variation in visual sensitivity among bowerbirds & implications for color signal design. Coyle B et al, Univ Maryland Coll Park USA	Long-term memory formation is blocked by low calcium availability in a freshwater snail. Dalesman S et al, Univ Calgary Canada
10:15	Behavioral consistency in male Siamese fighting fish is unaffected by exp with females. Dzieweczynski T et al, Univ N England USA	Adaptive significance of behavioral plasticity in a heterogeneous environment. Williams-Sieg K , Miles D, Ohio Univ USA	Is zebra finch maturation & behavioural phenotype affected by day length? von Engelhardt N et al, Univ Bielefeld Germany	Trill performance & trill consistency do not affect male response to playback in house wrens. Cramer E , Vehrencamp S Cornell USA	Habituation & neophobia in house sparrows: Personality & plasticity & variation. Ensminger A , Westneat D U Kentucky USA
	Session: W. C. Allee Competition I Organizer: Robert Seyfarth	Symposium: Social Complexity Organizers: Isabella Scheiber, Thomas Bugnyar	Symposium: Perinatal Influences Organizers: Jean Geary Boal, Ludovic Dickel		
10:30	Experimental studies of cognitive abilities in wild spotted hyenas. Benson-Amram S , Michigan State University USA	The uphill struggle to understand social behavior - structure and functioning in avian societies. Komdeur J et al, Univ Groningen Netherlands	Comparative analysis of pre-natal learning: from fish to primates. Hepper P , Queens University Belfast UK	Sexy males signal more often: the relationship between signal structure and quantity. Fitzsimmons L et al, Carleton Univ Canada	Insight problem-solving through tool use in an Asian Elephant (<i>Elephas maximus</i>). Foerder P et al, City Univ of New York USA

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10:45				Song playback advances the start of the dawn chorus in male black-capped chickadees. Foote J et al, Algoma Univ Canada	Effect of elevation-related environment on memory and the hippocampus in mountain chickadees. Freas C et al, Univ Nevada USA
11:00	Western Scrub-Jay funerals: Cacophonous aggregations in response to dead conspecifics. Iglesias T , University of California Davis USA	Communication in mammals with different social structure: a comparison of mongoose species. Manser M , Univ Zurich Switzerland	Prenatal experience and postnatal perceptual preferences. Lickliter R , Florida International University USA	Love songs/battle cries: Do duets of wrens influence extra-pair & parental behav? Mennill D , Douglas S, U Windsor Canada	Bubbling behavior in the Beluga Whale (<i>Delphinapterus leucas</i>). Noonan M , Salerno A, Canisius College USA
11:15				Secret serenades: complex, low-amplitude song elicits an elevated response in a male songbird. Reichard D et al, Indiana Univ USA	Long-term associative spatial memory in a food-caching parid. Pravosudov V et al, Univ Nevada Reno USA
11:30	Male ornamentation and female benefits of choice in a lek-mating paper wasp. Izzo A , University of Michigan USA	Development and reciprocity in pectoral fin contact between dolphins. Dudzinski K , Dolphin Communication Project USA	Hormone mediated maternal effects as epigenetic pathways for the development of personality. Groothuis T , Univ Groningen Netherlands	Female and male happy wrens respond differently to duet & solo song playback. Templeton C , Slater P, Univ St Andrews UK	Role of experience in producing hippocampal variation in pops with diff memory demands. Roth T et al, Univ Nevada USA
11:45				Role of vocal communication in hybridization between polygynous deer species. Wyman M , Reby D, Univ Sussex UK	Revisionary findings on the fear of snakes in monkeys. Burghardt G et al, Univ Tennessee USA
12:00	LUNCH, 12:00-1:30 PM View posters (IMU Alumni Hall/Solarium and IMU Georgian)				
	Session: W. C. Allee Competition II Organizer: Robert Seyfarth	Symposium: Social Complexity Organizers: Isabella Scheiber, Thomas Bugnyar	Symposium: Perinatal Influences Organizers: Jean Geary Boal, Ludovic Dickel	Session: Mating Systems I Moderator: Ludek Bartos	Session: Genetics and Evolution I Moderator: Teresa Dzieweczynski
1:30 PM	Intraspecific variation in male mating tactics in response to female dist. Manjerovic M , Waterman J, U Central Florida USA	Social & other complexity in the evol of intelligence in mammals & birds. Holekamp K , Swanson E, Michigan St USA	Exuberant odor learning in infant mammals: a comparative study. Schaal B , Centre des Sciences du Goût, CNRS France	Micro-scale laser surgery reveals adaptive function of <i>D. ananassae</i> male genital spines. Grieshop K , Univ Cincinnati USA	Behavioural and genetic characterization of compulsive tail chasing in dogs. Tiira K et al, Univ Helsinki Finland

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1:45 PM				Reproductive senescence and terminal investment in free-ranging female rhesus macaques. Maestriperi D et al, Univ Chicago USA	Grooming sequences used as phylogenetic characters: birds, rodents & primates. Alberts C et al, Univ Estadual Paulista Brazil
2:00 PM	The personality composition of social groups mediate species interactions. Pruitt J , University of California Davis USA	Post-conflict behavior in Greylag Geese (<i>Anser anser</i>). Scheiber I et al, Konrad Lorenz Research Station Austria	Non genomic influences on behavioral develop in birds: pre- and post-natal maternal effects. Lumineau S et al, Univ Rennes 1 France	Synergistic effects of a hypervariable courtship pheromone in the red-legged salamander. Wilburn D et al, Univ Louisville USA	Expansion differences in two ectoparasite populations: life-history characters and behavior. Hurme E et al, Univ Oulu Finland
2:15 PM			How newborns perceive complexity: the nose capacities. Coureaud G et al, CNRS France	Do house crickets strategically ejaculate in the face of sperm competition? Worthington A et al, Iowa State Univ USA	Behav syndromes constrain evol possibilities & rates of adaptation. Dochtermann N , Dingemanse N, U Nevada Reno USA
2:30 PM	Mortality risk affects mating decisions in the spider <i>Nephila clavipes</i> . Rittschof C , University of Florida USA	Raven politics: knowledge and use of social relationships. Bugnyar T et al, University of Vienna Austria	Embryonic learning and the ghost of predation future. Ferrari M , Chivers D, Univ Saskatchewan Canada	Acoustic exp shapes mating & establish. of a novel trait in crickets. Zuk M , Bailey N, U Calif Riverside USA	Genetic mechs underlying variation in visual systems in darters. Gumm J et al, Univ Maryland BC USA
2:45 PM			Prenatal embryonic learning: evidence from the cuttlefish, <i>Sepia officinalis</i> . Darmaillacq A et al, Univ Caen Basse-Normandie France	The impact of social context on male mate preference in a unisexual-bisexual mating complex. Alberici da Barbiano L et al, Texas St Univ San Marcos USA	Tonic immobility in the domestic chicken: a within-species comparison. Tiemann I , Bruno-Duerigen Institute Germany
3:00 PM	Mid Afternoon Break, 3:00 -3:30 PM; View posters in IMU Alumni Hall/Solarium and IMU Georgian rooms				
3:30 PM	Animal Behavior Society Business Meeting (IU Auditorium, all are welcome)				
5:00 PM	Late Afternoon Break, 5:00-5:15pm				
5:15 PM	PLENARY LECTURE (IU Auditorium) Nick Davies: Cuckoo adaptations: trickery and tuning				
6:30 PM	DINNER 6:30 pm - 8:00 PM View posters (IMU Alumni Hall/Solarium and IMU Georgian)				
8:00 PM	Poster Session A (8-9:30 pm) IMU Alumni Hall, Solarium, & Georgian rooms				

Thursday, 28 July 2011					
Time	IU Auditorium	Woodburn 100	IMU Whittenberger	Fine Arts 015	IMU Frangipani
8:00	PLENARY LECTURE (IU Auditorium) Shelley Adamo: In sickness and in health: wedding immunology to animal behaviour				
9:15	Morning Break, 9:15-9:45am View posters (IMU Alumni Hall/Solarium and IMU Georgian)				
	Session: Social Behavior IV Moderator: Sonja Ludwig	Symposium: Geographic Variation Org: C Gabor, A Aspbury	Session: Mating Systems II Moderator: Jan Komdeur	Session: Communication III Moderator: Jill Mateo	Session: Predation & Foraging I Mod : Adolfo Amézquita
9:45	Acoustic signaling of roost location in tent-making bats. Chaverri G , Gillam E, Boston Univ Costa Rica	Geographic variation in mate choice in a uni-bisexual complex Gabor C , Aspbury A, Texas St USA	Mating system of free-ranging domestic dogs. Pal S , Katwa Bharati Bhaban School India	Scared & articulate: glucocorticoids assoc with alarm call entropy. Blumstein D , Chi Y, UCLA USA	Feeding in Peacock Cichlids is mediated by non-visual senses. Bergstrom M , Webb J, U Rhode Isl USA
10:00	Assessing synchrony in social groups: are you measuring what you think? Collins L , Asher L, Queen's Univ Belfast UK	Genetic variation and phenotypic plasticity in relation to sexual selection. Rodriguez R , University of Wisconsin Milwaukee USA	Sex/food trade-off in a promiscuous mammal: how imp is foraging for male chimpanzees? Georgiev A et al, Harvard USA	The sender-receiver matching hypothesis in two songbirds: implications for active listening space. Gall M et al, Purdue Univ USA	Anthropophily in the life of a mosquito-eating predator. Cross F , Jackson R, Univ Canterbury New Zealand
10:15	Domin. hierarchies & social networks in Monk Parakeets. Hobson E , Wright T, N Mexico St USA		Odor signals genetic make-up in a seabird. Leclaire S et al, Laboratoire Evolution & Diversité Biol France	Tight hormonal phenotypic integration ensures honesty of a signal. Gavassa S et al, Florida Int Univ USA	Prey jitters; protean behaviour in grouped prey. Jones K et al, University of Nottingham UK
10:30	The functions of intrasexual male aggression in a role-reversed mammal. Curren L , Holekamp K, Michigan St Univ USA	Behavioral expression and the evolution of plasticity: influences on geographic variation. Foster S , Clark University USA	Effects of multiple mating on female fertility & offspring quality in the guppy. Rosenqvist G et al, Norw U Sci/Tech Norway	Vocal flexibility of zebra finches in a variable ambient noise environment. Kight C et al, Univ Exeter-Cornwall Campus UK	X' marks the spot: Do nectar guides always benefit both bees & plants? Leonard A , Papaj D, Univ Ariz USA
10:45	Visualizing the costs of combat in fish: relevance for testing the predictions of assessment models. Earley R et al, Univ Alabama USA		Breaking the best of a bad job: Brood parasitism as an alternative reproductive strategy. Shuster S , N Arizona Univ USA	Social status and urinary communication in domestic dogs. Lisberg A , Univ Wisconsin Whitewater USA	Social context as an anti-predator response in a non-shoaling coral reef fish. Manassa R , McCormick M, James Cook Univ Australia

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11:00	Aggressiveness and size: A model and two tests. Logue D et al, Univ Puerto Rico, Mayaguez	Mate-attracting signals: sexual selection, geog. Var & speciation. Gerhardt H , U Missouri Columbia USA	Outcomes of a tug-of-war over extra-pair paternity & paternal invest. Stern C , Kern Reeve H, Cornell USA	Vocal tract articulation revisited: the monk parakeet. Ohms V et al, Inst Biology Leiden Netherlands	Diverse photonics underlie convergence of blue butterfly color. Morehouse N et al, Univ Tours France
11:15	Social networks and dominance: triad motifs as a guide to dynamic processes. McDonald D , Shizuka D, Univ Wyoming USA		Spatial patterns of egg laying and nest predation by brown-headed cowbirds (<i>Molothrus ater</i>). Swan D et al, Univ W Ontario Canada	Signalling in anthropogenic noise - The recipients' perspective. Pohl N et al, Univ Oldenburg Germany	Hiding behind a branch: defensive reaction to a snake predator by a chameleon. Mori A , Jono T, Kyoto Univ Japan
11:30	Effects of behavioral type and social environment on mating success in stream waterstriders. Chang A , Sih A, Univ Calif Davis USA	Ponds as islands: behavioral and life-history adaptations to life in predator free isolates. Herczeg G , Univ Helsinki Finland	How animals win the genetic lottery: Biasing birth sex ratio results in more grandchildren. Thogerson C et al, Purdue Univ USA	The role of predispositions and experience in birdsong and language acquisition. ter Haar S et al, Leiden Univ Netherlands	Conspecific phenotypic states influence reproductive decisions in nonsocial insects. Davis J , Pasqualone A, Vassar College USA
11:45	Male competition in a social lizard; neither size or aggression predict a win. McEvoy J et al, Univ Tasmania Australia		Female manakin mate searching strategies revealed by a novel tracking system. Ward K et al, Univ Windsor Canada	Impacts of noise exposure on song learning & production in great tits. Zollinger S , Max Planck Inst Ornithology Germany	Assassin bugs crack the code of spider perception. Taylor P et al, Macquarie Univ Australia
12:00	LUNCH, 12:00-1:30 PM View posters (IMU Alumni Hall/Solarium and IMU Georgian) ICE Lunch (IMU State Room East)				
	Symposium: Female Competition Org: K Rosvall, K Cain	Symposium: Geographic Variation Org: C Gabor, A Aspbury	Symposium: Sensory Neuroecology Organizer: Peter Narins	Session: Communic IV Moderator: Molly Cummings	Session: Cognition IV Moderator: Sean Coyne
1:30 PM	Proximate mechanisms and ultimate consequences of female competition: hormones, genes and fitness. Rosvall K, Cain K , Indiana University USA	Geographic variation in sexual signals and behavior in two species of poison frogs. Pröhl H , Brusa O, Univ Vet Med Germany	Motor constraints and 'strategies' affecting vocal performance of songbirds. Suthers RA , Indiana Univ USA	Syntax in a complex vocal signal: Duets of the yellow-naped amazon, <i>Amazona auro</i> . Dahlin C , Wright T, N Mexico St Univ USA	The evolution of superstition through optimal use of incomplete infor. Abbott K , Sherratt T, Carleton Univ Canada
1:45 PM		Sexual isolation via sexual sel during ecol speciation. Langerhans B , Makowicz A, N Carolina St USA		Predator-associated vocalizations in N Am Red Squirrels. Digweed S et al, Grant McEwan U Canada	Cognitive bias in honey-bees: the stressed bee's glass is half empty. Bateson M et al, Newcastle Univ UK

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2:00 PM	Dynamic sex roles: female competition shaped by operational sex ratio. Amundsen T et al, Norw U Science & Tech Norway		Hardwired for navigation: inherited magnetic map guides loggerhead turtles. Lohmann K et al, U N Carolina Chapel Hill USA	Collective foraging & comm in honeybees: how habitat affects benefits. Donaldson-Matasci M , Dornhaus A, U AZ USA	Cognitive bias as a measure of affective state in sheep. Destrez A et al, INRA France
		Session: Ecol Effects I Moderator: Adi Barocas			
2:15 PM		Variable envs, fluctuating sel & stability of breeding partnerships in birds. Botero C , Rubenstein D, NESCent USA		Communication about changes in predation risk between parents & offspring. Hamel J , Cocroft R, U Miss USA	Paw preference is not affected by postural demand in the cat. Konerding W et al, Univ Vet Med Hannover Germany
2:30 PM	Female mate competition in mammals: limitations of the OSR concept. Bro-Jorgensen J , Univ Liverpool UK	Differences in spatial exploration between resid & nomadic parrots. Mettke-Hofmann C , Liverpool J Moores U UK	Auditory and tactile sensing support 3-D spatial navigation in echolocating bats. Moss C et al, Univ Maryland USA	Signal production by waggle-dancing foragers in gen-diverse honey bees. McDonald K et al, Wellesley College USA	Navigational experience has an influence on brain lateralisation and hippocampus size in pigeons. Mehlhorn J , Rehkämper G, Univ Düsseldorf Germany
2:45 PM		The large view of a small specialist: Belding's ground squirrel dispersal. Morelli T , Lim M, U Calif Berkeley USA		Bees in a box: collective foraging of the ant <i>Temnothorax rugatulus</i> . Shaffer Z , Pratt S, Arizona St Univ USA	Episodic-like memory in rats. Zhou W , Crystal J, Indiana University USA
3:00 PM	Mid Afternoon Break, 3:00 -3:30 PM; View posters in IMU Alumni Hall/Solarium and IMU Georgian rooms				
	Symposium: Female Competition Org: K Rosvall, K Cain	Session: Ecol Effects II Moderator: Barbara Taborsky	Symposium: Sensory Neuroecology Organizer: Peter Narins	Session: Sexual Selection III Moderator: Marlene Zuk	Session: Cognition V Moderator: David Val-Laillet
3:30 PM	Female ornaments: sexual selection and viability. Gwynne D , University of Toronto Mississauga Canada	Resource use by Sykes' Monkeys at Lajuma, South Africa. Emerson S , Brown J, Lawrence Univ USA	The behavioral ecology of visually controlled rapid adaptive camouflage in cephalopods. Hanlon R , Marine Biol Lab USA	Audience effect on male mate choice in the Trinidadian guppy, <i>Poecilia reticulata</i> . Auld H , Godin J, Carleton Univ Canada	Preference for local song correlates with learning performance in female swamp sparrows. Anderson R , Nowicki S, Duke U USA

Time	IU Auditorium	Woodburn 100	IMU Whittenberger	Fine Arts 015	IMU Frangipani
3:45 PM		Personality-dependent invasion: social context, performance & dispersal in an invasive fish. Fogarty S et al, Univ Calif Davis USA		Speciation before our eyes? Using behaviour to interpret gene flow in Darwin's tree finches. Kleindorfer S et al, Flinders Univ Australia	Indications of dogs? concepts of right/wrong from an obedience task. Broom D , Torres-Pereira C, Univ Cambridge UK
4:00 PM	Female aggression and the evolutionary ecology of social systems. While G et al, Univ Tasmania Australia	Feral dogs in Colombia: What are they, what are they doing, and what to do? García-Londoño A , Bioethos Colombia	Predicting signal diversity in the color and polarized realm of fishes. Cummings M , Univ Texas USA	Good fathers? Reliable signaling of parental care in threespine stickleback, <i>Gasterosteus aculeatus</i> . Kelly N et al, Yale USA	Pitch chroma and height perception in humans and black-capped chickadees. Hoeschele M et al, Univ Alberta Canada
4:15 PM		The effects of UV radiation on fathead minnows. Manek A et al, U Saskatchewan Canada		Same trait, diff signals: female goldfinches signal status with bill color, but males do not. Murphy T et al, Trinity Univ USA	To perch together is not sufficient information for female zebra finches to copy mate choice. Kniel N et al, Univ Siegen Germany
4:30 PM	Feisty females: anatomical, behavioral, neuroendocrine and olfactory attributes. Drea C , Duke University USA	Differences in fitness expectation lead to animal personalities. Nicolaus M et al, Max Planck Inst Ornithology Germany	Ground sound detection in golden moles: compensating for reduced vision with geophone ears. Narins P , Univ California Los Angeles USA	The role of social context in female mate choice and male eavesdropping by wolf spiders. Uetz G et al, Univ Cincinnati USA	Love pretender and costs of mate-choice copying in Atlantic molly males and females. Noebel S et al, Univ Germany
4:45 PM		Is this a good neighborhood to raise kids? An insect consults both con and hetero-specifics. Miller C et al, Univ Florida USA		Preferences for color and pattern contribute to behavioral isolation in sympatric darter species. Williams T , Mendelson T, U Maryland BC USA	The role of visual cues in species and sex recognition in the jumping spider <i>Lyssomanes viridis</i> . Tedore C , Johnsen S, Duke Univ USA
5:00 PM	Late Afternoon Break, 5:00-5:15pm				
	Session: W. C. Allee Competition III Moderator: R. Seyfarth	Session: Ecological Effects III Mod: Margot Bergstrom	Session: Mechanisms II Moderator: Shelley Adamo	Session: Parental Care II Moderator: Ton Groothuis	Session: Genetics and Evolution II Moderator: Gabor Herczeg
5:15 PM	Individual recognition in paper wasps: Correlated evolution of cognition and identity signals. Sheehan M , University of Michigan USA	Ecological and social aspects of bachelor groups in southern sea otters, <i>Enhydra lutris nereis</i> . Bentall G , Tinker M, Monterey Bay Aq USA	Comparing hormone signal, brain sensitivity and behavior in divergent dark-eyed junco sub-species. Bergeon Burns C et al, Indiana U USA	Sex allocation in relation to hatching synchrony and offspring quality in house wren broods. Bowers E et al, Illinois St Univ USA	Song evolution in the genus <i>Cisticola</i> : vocal divergence with morphological conservatism. Benedict L , Bowie R, Univ N Colorado USA

Time	IU Auditorium	Woodburn 100	IMU Whittenberger	Fine Arts 015	IMU Frangipani
5:30 PM		The influence of predation pressure on temperament and stress hormones in natural populations. Braithwaite V et al, Penn State Univ USA	Gene expression in the brain of a non-model songbird: sexual dimorphism and the role of testosterone. Peterson M et al, Indiana Univ USA	Allomaternal care during first year of life for belugas (<i>Delphinapterus leucas</i>) in human care. Campbell C , Hill H, Texas A&M Univ USA	Evolution of immune system genes within the Hyaenidae family: Implications for mate choice. Califf K , Michigan St Univ USA
5:45 PM	Exquisite forgery: the evolution of egg color mimicry in the common cuckoo. Stoddard M , Stevens M, Univ Cambridge UK	The indirect effects of population density on behavior in red squirrels. Dantzer B et al, Michigan St Univ USA	Gene expression in the brains of monogamous vs. polygamous cichlid fishes. Oldfield R et al, Case Western Reserve USA	Facultative maternal care of schooling tadpoles in the frog, <i>Leptodactylus insularum</i> . Hurme K , Univ Connecticut USA	Condition, nat. selection, & evolution of personality in Belding's ground squirrels. Dosmann A , Mateo J, U Chicago USA
6:00 PM		Cultural evolution in an urban songbird affects communication. Derryberry E , Luther D, Louisiana St Univ USA	Hormonal plasticity in tidal environments: a reaction norm approach in an amphibious fish. Hanninen A et al, Univ Alabama USA	Parent-offspring coadaptation. Koelliker M , Univ Basel Switzerland	Genetic variation in social niche construction: Insights from <i>Drosophila melanogaster</i> . Saltz J , Univ California Davis / Univ S California USA
6:15 PM	Complexities of wolf spider communication: courtship signal function across variable environments. Wilgers D , University of Nebraska Lincoln USA	Sleepless in San Diego: Migratory restlessness and fat in two recently diverged songbird populations. Rice R et al, Indiana Univ USA	A change in energetic state dictates perception of reward value and sensitivity to risk. Mayack C , Naug D, Colorado St Univ USA	Biparental care: asymmetries in the value of care. Mock D et al, Univ Oklahoma USA	Understanding chemotaxis in <i>Caenorhabditis elegans</i> by linking genes and behavior. Smith H , Hobert O, Columbia Univ USA
6:30 PM		Does maternal heat stress adjust offspring to high temperature? An experiment in quails. Henriksen R et al, Univ Groningen Netherlands	Nonapeptide modulation of songbird flocking and responses to novelty. Kelly A et al, Indiana Univ USA	Reproductive status affects placentophagia in male California mice <i>Peromyscus californicus</i> . Perea-Rodriguez J et al, Univ Calif Riverside USA	Comparisons of sex-specific behavior and gene expression in two African cichlid fishes. Schumer M et al, Reed College USA
6:45 PM	DINNER 6:45 pm - 8:00 PM View posters (IMU Alumni Hall/Solarium and IMU Georgian)				
8:00 PM	Poster Session B (8-9:30 pm) IMU Alumni Hall, Solarium, & Georgian rooms				

Friday, 29 July 2011

Time	IU Auditorium	Woodburn 100	IMU Whittenberger	Fine Arts 015	IMU Frangipani
8:00	PLENARY LECTURE (IU Auditorium) Jutta Schneider: Mating system evolution: lessons from spider sex				
9:15	Morning Break, 9:15-9:45am View posters (IMU Alumni Hall/Solarium and IMU Georgian)				
	Session: Communication V Moderator: Molly Morris	Session: Cognition and Learning VI Moderator: Lainy Day	Session: Sexual Selection IV Moderator: Jutta Schneider	Session: Social Behavior V Moderator: Eileen Lacey	Session: Applied Animal Behavior III Moderator: Eva Baranyiova
9:45	Aggressiveness and signaling in song sparrows are consistent over time. Akcay C et al, Univ Washington USA	Expanding our thinking about animal cognition: Observational learning in jumping spiders. Adams R, Kamil A , U Nebraska USA	The effect of perceived sperm competition risk on fertilization success in a soldier fly. Barbosa F , Univ Missouri USA	The relationship between play and cortisol in Wild Chimpanzees (<i>Pan troglodytes</i>). Heintz M et al, Univ Chicago USA	Can a standardised behavior test predict young dogs' suitability for guiding work? Asher L et al, Nottingham Univ UK
10:00	Are aggressive song sparrows better song tutors? Beecher M et al, Univ Washington USA	Nature of the celestial compass in the Australian desert ant <i>Melophorus bagoti</i> . Cheng K et al, Macquarie Univ Australia	It's a marvelous night for a foot-dance: visual cues & courtship in a Plethodon salamander. Eddy S, Houck L , Oregon St Univ USA	Stereotyped behavior in captive capuchin monkeys (<i>Cebus</i> spp). Ferreira R , Universidade Federal do Rio Grande do Norte Brazil	Sex-specific basking and activity effects on lizard superoxide levels. Ballen C et al, Univ Sydney Australia
10:15	Similarities and differences in male and female mouse ultrasonic vocalizations. Hammerschmidt K, Fischer J , German Primate Center Germany	Learning about non-predators and safe places: the forgotten elements of risk assessment. Chivers D, Ferrari M , Univ Saskatchewan Canada	Concurrent effects of sperm competition & female quality on male mate choice in the guppy. Godin J et al, Carleton Univ Canada	Territorial frogs may learn about intruders through repeated interactions. Heap S et al, Univ Melbourne Australia	Pregnancy block in domestic horse mares: A counterstrategy against possible male infanticide. Bartos L et al, Czech Univ Life Sci Czech Republic
10:30	Social costs and the evolutionary stability of visual status signals in <i>Polistes dominulus</i> wasps. Tibbetts E , Univ Michigan USA	Use of spears by wild capuchin monkeys, <i>Cebus libidinosus</i> . Falotico T, Ottoni E , Univ Sao Paulo Brazil	Male-male endurance rivalry in the rhesus macaque. Higham J et al, German Primate Centre USA	Pro-social choices in relation to dominance rank and relationship quality in a despotic primate. Massen J, Sterck E , Utrecht University Netherlands	Increasing treatment integrity in use of counter-conditioning to reduce aggr in dogs. Echterling-Savage K, Keith Miller L , U Kansas USA
10:45	Is bill-wiping a form of avian scent marking? Whittaker D, Reichard D , Michigan St Univ USA	No evidence for cognitive adaptive specializations related to tool-use in woodpecker finches. Teschke I et al, Max Planck Inst for Ornithol Germany	Sperm motility requires a female's touch: does a protein mediate this effect? Johnson S et al, Univ Otago New Zealand	Color-assortative mating and agonistic behaviors in a polymorphic poison frog: innate or learned? Richards-Zawacki C, Devar A , Tulane Univ USA	Individual differences in gain-maximization & loss-reduction behaviors: a regulatory focus approach. Franks B et al, Columbia Univ USA

Time	IU Auditorium	Woodburn 100	IMU Whittenberger	Fine Arts 015	IMU Frangipani
	Symp: Communicative Complexity Organizers: Todd Freeberg, I Krams, C Kullberg	Symposium: Cognition as Foraging Organizers: Peter Todd, Thomas Hills			
11:00	Does social complexity drive the evolution of primate facial expression? Dobson S , Dartmouth College USA	The evolution of goal-directed cognition as a search process: from foraging to mind. Hills T , University of Basel Switzerland	Testing Eberhard's hypothesis reveals very rapid evolution of sexual behavior in Banana Slugs. Leonard J et al, Univ California Santa Cruz USA	Visual selective attention in dogs. Rossi A et al, Indiana Univ USA	Can expert codings of dog behavior be replicated by novices? Fratkin J et al, Univ Texas Austin USA
11:15			Change in the sex roles across the nuptial season in a paternal care fish. O'Rourke C , Mendelson T, Univ Maryland BC USA	Eusociality continuum or alternative routes to sociality? Singular versus plural breeding in animals. Rubenstein D et al, Columbia Univ USA	Energy reallocation to breeding performance through improved behavioral thermoregulation. Gaskill B et al, Purdue Univ USA
11:30	Bridging the bonding gap in the transition from primates to humans. Dunbar R , University of Oxford UK	Expectations of clumpy resources influence choice of environments to search in. Wilke A , Clarkson University USA	Female preference for a novel male phenotype in zebrafish (<i>Danio rerio</i>). Owen M et al, City Univ New York USA	The efficiency of information collection & use in decision-making increases with group size. Ward A et al, Leibniz Inst & Humboldt U Germany	The importance of breeding dogs for behavior rather than beauty. King T et al, Monash Univ Australia
11:45			Sexual conflict in Cephalopods: Spermatophore consumption & mate choosiness squid. Wegener B et al, Monash U Australia	Social attributes and associated consequences in yellow-bellied marmots. Wey T , Blumstein D, Univ California Davis USA	Chronobiological shifts in captive newborn giant pandas (<i>Ailuropoda melanoleuca</i>). Pertl M , Krop-Benesch A, Univ Vienna Austria
12:00	LUNCH, 12:00-1:30 PM View posters (IMU Alumni Hall/Solarium and IMU Georgian) ABS Executive Committee 2 (IMU Maple)				

Time	IU Auditorium	Woodburn 100	IMU Whittenberger	Fine Arts 015	IMU Frangipani
	Symp: Communicative Complexity Organizers: Todd Freeberg, I Krams, C Kullberg	Symposium: Cognition as Foraging Organizers: Peter Todd, Thomas Hills	Session: Behavioral Community Ecology Moderator: James Nieh	Session: Social Behavior VI Moderator: Jorg Massen	Session: Development II Moderator: Anne-Sophie Darmaillacq
1:30 PM	Social complexity and communicative complexity: a bird's eye view and symposium overview. Freeberg T , Krams I,	Syntactic vs. semantic stopping rules in memory foraging. Neth H , Max Planck Institute for Human Development Germany	Interspecific social transmission of behavioral traits across species and time. Forsman J et al, Univ Oulu Finland	Honey, I moved the kids! Division of labor and fitness benefits in a biparental cichlid fish. Hunt J et al, Grand Valley St Univ USA	Young pigeons use the right eye and left hemisphere for parent recognition. Fellmin M , Tiemann I, Bruno-Duerigen Inst Germany
1:45 PM	Kullberg C, University of Tennessee Knoxville USA		Do flycatchers copy and reject behavior of tits with high and low clutch size? Loukola O et al, Univ Oulu Finland	Have you licked your kids today? Transmission of microbes through parental care in a teleost fish. Adams L et al, Grand Valley St Univ USA	Natal philopatry, ranging, and habitat use of juvenile bottlenose dolphins in Sarasota Bay, FL. McHugh K et al, Sarasota Dolphin Research Program USA
2:00 PM	Evolving communicative complexity: sciurids as a model system. Pollard K , Blumstein D , University of California USA	How search in the mind guides search in the world. Gureckis T , New York University USA	Danger in the dark: the evolution of noxious weaponry in carnivores. Stankowich T , Caro T, U Mass Amherst USA	Personality predicts social dominance in female zebra finches. David M et al, Univ Burgundy & Univ Quebec at Montreal France	O mother, mother - wherefore art thou? Calf development & maternal care in dolphins. Hill H et al, St. Mary's Univ USA
2:15 PM			Relaxed selection and environmental change decrease reintroduction success in simulated populations. McPhee M , McPhee N , Univ Wisconsin Oshkosh USA	Assessing network function in ants and basketball. Fewell J et al, Arizona St Univ USA	Childhood environment and life history strategy in human females. Nettle D , Newcastle Univ UK
2:30 PM	A phylogenetic review of evolution of communic. in Cetartiodactyla. May-Collado L , U Puerto Rico USA	Models of information foraging. Fu W-T , University of Illinois USA	Habitat use by eastern and alligator snapping turtles in Missouri: conservation implications. Tang-Martinez Z et al, Univ Missouri St. Louis USA	Better the devil you know: familiarity affects foraging activity of red-backed salamanders. Liebgold E , Dibble C, Univ Virginia USA	Proximate causes and fitness consequences of context-dependent maternal effects. Taborsky B et al, Univ Bern Switzerland
2:45 PM			Integrating behavior with life-history: field crickets, <i>Gryllus integer</i> during ontogeny. Niemelä P et al, Univ Oulu Finland	Group joining decisions in a cooperatively breeding cichlid fish. Reddon A et al, McMaster Univ Canada	The role of aggression & pheromones in regulating queen development in a social insect. Penick C , Liebig J , Arizona St U USA

Time	IU Auditorium	Woodburn 100	IMU Whittenberger	Fine Arts 015	IMU Frangipani
3:00 PM	Eulemur, me lemur: species differences in scent-signal complexity in a primate clade. del Barco-Trillo J , Drea C, Duke University USA	Symposium Discussion. Stephens D , University of Minnesota USA	Two egg parameters and interaction with the parasite elicit rejection in a brood-parasitic host. Guigueno M et al, Univ W Ontario Canada	Social networks: Linking form with function in animal societies. Rubenstein D , Princeton Univ USA	Early environment and maternal phenotype influence personality development & stress sensitivity. Gracceva G et al, U Groningen Netherlands
3:15 PM			Fight or flight? Conflict costs drive heterospecific eavesdropping by competing tropical bees. Lichtenberg E , Nieh J, U California San Diego USA	Social information, conformity and opportunity costs: experiments with foraging fish shoals. Webster M , Univ St Andrews UK	Effects of stress at different developmental time periods on learning in zebra finches. Kriengwatana B et al, Univ W Ontario Canada
3:30 PM	Mid Afternoon Break, 3:30 -4:00 PM; View posters in IMU Alumni Hall/Solarium and IMU Georgian rooms				
4:00 PM	Animal Behavior Society Awards Ceremony (IU Auditorium, all are welcome)				
5:15 PM	PLENARY LECTURE (IU Auditorium) Russell Gray: New Caledonian crows and the evolution of cognition without miracles				
6:30 PM	DINNER 6:30 pm - 8:00 PM				
8:00 PM	NSF Info Session (IMU Whittenberger), Free Bowling (IMU Back Alley, all are welcome)				

Saturday, 30 July 2011

Time	Woodburn 100	IMU Whittenberger	Fine Arts 015	IMU Frangipani	Woodburn 101
8:00	PLENARY LECTURE (IMU Whittenberger) Ádám Miklósi: On dogs, robots and behavioural data: The making of ethology in the 21st century				
9:15	Morning Break, 9:15-9:45am				
	Session: Communic VI Moderator: Patricia Black-Decima	Session: Cognition & Learning VII Mod: Budhaditya Chowdhury	Session: Sex Selection V Moderator: Sheri Johnson	Session: Social Behav VII Moderator: Michael Taborsky	Session: Predation & Foraging II Moderator: Susan Lingle
9:45	Female call preferences in a neotropical frog with biparental care. Pettitt B , Univ Minnesota USA	Acquired recognition of non-risky cues in the convict cichlid <i>Amatitlania siquia</i> . Barks P , Godin J, Carleton Univ Canada	Is male song a reliable signal of nuptial gift quality in the acoustic Orthoptera? Goubault M et al, Univ Tours France	Variance in centrality within rock hyrax social networks predicts longevity. Barocas A et al, Tel-Aviv Univ Israel	Fear kills: anti-predator behaviour reduces songbird offspring per year. Allen M et al, Univ W Ontario Canada
10:00	Face scanning in humans, chimpanzees, gorillas, and orangutans: An eye-tracking study. Kano F et al, Primate Research Inst, Kyoto Univ Japan	Social cognition: An audience effect, and visual perspective taking in macaques. de Vries A et al, BPRC Netherlands	Experimentally delayed American redstart males suffer reduced reproductive success. McKellar A et al, Queen's Univ Canada	"The Nearness of You" Social spacing for harem maintenance in <i>Scolecophagus bilineata</i> . Fulmer A , Knörnschild M, Hampshire College USA	Sentinel behavior by Florida scrub-jays: Effects of season, habitat structure, & food suppl. Bednekoff P , Bowman R, E Michigan Univ USA
10:15	Differentiation within a possible cryptic species, the canyon treefrog, <i>Hyla arenicolor</i> . Klymus K et al, Univ Missouri USA	When should bumblebees use social information? Effects of reliability of floral/social cues. Dunlap A et al, U Arizona USA	The function of the four types of waving display in the fiddler crab, <i>Uca lactea</i> . Muramatsu D , Kyoto Univ Japan	Burrow sharing in tuco-tucos: new opportunities for understanding sociality. Lacey E et al, Univ California Berkeley USA	Group living reduces predation risk in Belding's ground squirrels. Brooks K , Mateo J, Univ Chicago USA
10:30	Colorful stripes send mixed messages to safe & risky partners in a mutualism. Lettieri L , Strelman JT, Michigan St USA	Social environment impacts performance in a cognitive task in natural variants of the foraging gene. Kohn N et al, CNRS France	Sexual selection and the evolution of the Drosophila sex comb. Polak M , Univ Cincinnati USA	Kinship and the evolution of helping behaviour in mammalian societies. Lukas D , Clutton-Brock T, Univ Cambridge UK	Wintering birds avoid warm sunshine while feeding: an antipredator perspective. Carr J , Lima S, Indiana St Univ USA
10:45	Potential use of rudimentary echo-ranging by <i>Hippopotamus amphibius</i> . Maust-Mohl M et al, City Univ New York USA	Spontaneous innovation for future deception in a male chimpanzee. Osvath M , Karvonen E, Lund Univ Sweden	Male coercion limits female reproductive options in pukeko (<i>Porphyrio porphyrio melanotus</i>). Quinn J et al, McMaster Univ Canada	Male guppies (<i>Poecilia reticulata</i>) adjust their mate choice behavior to the presence of an audience. Makowicz A et al, Univ Oklahoma USA	Head movement behavior in birds as a proxy for vigilance strategies in groups. Fernandez-Juricic E et al, Purdue Univ USA

Time	Woodburn 100	IMU Whittenberger	Fine Arts 015	IMU Frangipani	Woodburn 101
11:00	Vocal communication in cattle (<i>Bos taurus</i>): mother-offspring recognition. Padilla-de la Torre M et al, Univ Nottingham UK	Do groups have a larger cognitive capacity than individuals? Sasaki T , Arizona State Univ USA	Avail. of preferred mates changes female choosiness in a harvestman with p. care. Requena G , Machado G, Univ São Paulo Brazil	When good neighbors don't need fences: Temporal landscape partitioning among baboon groups. Markham A et al, Princeton Univ USA	Individual variation in behavioral plasticity in red knots (<i>Calidris canutus</i>). Mathot K et al, Max Planck Inst Ornithology Germany
11:15	A fermentation hypothesis for group-specific chemical recognition in the spotted hyena. Theis K et al, Michigan St Univ USA	Recipients' behavior affect other-regarding preferences in jackdaws, <i>Corvus monedula</i> . Schwab C et al, KLI for Evolution & Cognition Research Austria	Multi-modal sexual selection in a warbler: plumage and song relate to different fitness components. Taff C et al, Univ California Davis USA	Habitat saturation and reproductive competition influence sociality in the African striped mouse. Schoepf I , Schradin C, Univ Zurich Switzerland	It's all about eye movement: different visual and foraging strategies of chickadees and nuthatches. Moore B et al, Purdue Univ USA
11:30	Soundscape orientation in treefrogs: The role of temporal structure. Velez A et al, Univ Minnesota USA	What-where-when memory in chimpanzees and human children. Sterck E et al, Utrecht Univ Netherlands	Territory quality predicts mate choice in females and males. Tudor M et al, Univ Florida USA	Selective forces driving intergroup aggression in white-faced saki monkeys, <i>Pithecia pithecia</i> . Thompson C et al, Kent State Univ USA	Effect of diurnal light variation on predator recognition of a visual multicomponent signal. Pegram K , Rutowski R, Arizona St Univ USA
11:45	Acoustic evaluation in a non-primate mammal, the tree shrew, not solely affected by context. Zimmermann E et al, Univ Vet Med Germany	Costs/benefits of vocal imitation in budgerigars: a test of the password hyp. Young A , Wright T, New Mexico St Univ USA	Mate-choice copying in female zebra finches: Does previous mating experience play a role? Witte K et al, Univ Siegen Germany	Kinship and pay-to-stay affect reproductive investment and brood care of female helpers. Zöttl M et al, Univ Bern Switzerland	Scatter-hoarding of acorns by Island Scrub-Jays. Pesendorfer M et al, Univ Nebraska Lincoln USA
12:00	Closing Luncheon (IMU Alumni Hall, tickets required)				
2:00 PM	Round table: (IMU Dogwood room) “Do you see what I see? Managing, archiving & sharing behavioral data” (George Kampis,  Mikl, Anne Clark)			Outreach event: (WONDERLAB) “Animal Behavior Fair” (Gina Hupton, Chad Johnson, Emilie Snell-Rood)	