

Tuesday

Session 1 (10:00-11:15)

	AUDIMAX A600	Room A701	Room A702	Room A703	Room A704
Theme	New Technologies for Behavioral Analysis	Conservation	Migration	Sexual Selection and Conflict	Evolution of Behavior 1
10:00-10:13	Hemal Naik, Máté Nagy, Nassir Navab, Iain Couzin Studying Behaviour in 3D	Robert Heathcote, Mark Whiteside, Christine Beardsworth, Jayden Van Horik, Ellis Langley, Joah Madden Where pheasants go to die: does cognitive ability predict where pheasants get predated?	Gennaro Vitucci, Renaud Ronsse, Philippe Chatelain Flapping for migrating: energy expenditure quantification	Enrico Sorato, Loïc Lesobre, Yves Hingrat Life-long repeatability and heritability of sexual display behavior in captive-bred African houbara bustards	Lluís Socias-Martínez, Peter M. Kappeler Social dynamics in a basal primate with facultative sociality
10:15-10:28	Christian L. Ebbesen, Robert C. Froemke Towards automatic receptive field mapping in 'social state space' by 3D videography	Emmanuelle Briolat, Jonathan Bennie, Emma Rosenfeld, Kevin Gaston, Jolyon Troscianko Impacts of artificial lighting on the visual ecology of nocturnal hawkmoths	Yachang Cheng, Wolfgang Fiedler, Martin Wikelski, Andrea Flack 'Closer-to-home' strategy benefits juvenile survival in a long-distance migratory bird	Mireia Plaza, Alejandro Cantarero, Diego Gil, Juan Moreno Experimentally flight-impaired females show higher levels of extra-pair paternity in a passerine bird	Nobuaki Mizumoto, Paul M. Bardunias, Stephen C. Pratt Parallel evolution of termite tunneling with differentiated behavioral rules
10:30-10:43	Jacob M. Graving, Iain D. Couzin Revealing the behavioral algorithms of social animals using deep learning	Bettina Wachter, Jörg Melzheimer, Lisa Giese, Vera Menges, Heribert Hofer The importance of animal behaviour in conservation science: the example of cheetahs in Namibia	Myles H. M. Menz, Martin Wikelski Individual tracking reveals consistent headings in migrating hawkmoths	Nina Bircher, Kees van Oers, Camilla Hinde, Marc Naguib The role of male-male interactions in female reproductive decisions	Žiga Fišer, Simona Kralj-Fišer, Gergely Balázs, Gergely Horváth, Cene Fišer, Gábor Herzeg Phenotypic behavioural variation at different hierarchical levels during rapid adaptation from fluctuating to stable environments
10:45-10:58	Lars Haalck, Michael Mangan, Barbara Webb, Benjamin Risse Visual tracking of tiny insects using a freely moving camera while reconstructing their environment	Sarah E. Scott, Selvino R. de Kort, Bradley Cain, Caroline M. Bettridge Social network structure, long-term associations and reproduction in white rhinoceros	Shoko Sugawara, Hiroyoshi Higuchi Seasonal contrasts in individual consistency of oriental honey buzzards' migration	Ally Harari, Yarden Dodi, Hadass Steinitz On the evolution of monandrous mating strategy in moths	Thomas Ray Haaland, Jonathan Wright, Irja Ida Ratikainen Bet-hedging across generations can affect the evolution of variance-sensitive strategies within generations
11:00-11:13	Francisco Romero-Ferrero idtracker.ai: tracking all individuals in small or large collectives of unmarked animals	Verena Puehringer-Sturmayer, Matthias-Claudio A. Loretto, Kurt Kotschal, Didone Frigerio Shall I come again? Site fidelity in a group of Northern Bald Ibis (<i>Geronticus eremita</i>)	Martina Scacco, Andrea Flack, Olivier Duriez, Martin Wikelski, Kamran Safi Differential use of energy available in the landscape by two soaring bird species	Barbara König, Manuela Ferrari, Anna K. Lindholm Fitness consequences of female alternative reproductive tactics in house mice	James Rouse, Thomas Leech, Elizabeth Duncan, Amanda Bretman The role of the epigenome in plastic responses to rapidly changing social environments

Tuesday

Session 2 (13:40 - 14:55)

	AUDIMAX A600	Room A701	Room A702	Room A703	Room A704
Theme	Predator Prey 1	Neuro- and sensory-biology	Decision Making 1	Individual and Collective Movement	Evolution of Behavior 2
13:40-13:53	Simon Gingins, Renaud Bastien, Alex Jordan, Iain D. Couzin 3D-tracking collective escape in wild groups of Damselfish	Yannick Günzel, Thierry Hoinville, Josef Schmitz, Volker Dürr Adaptive motor control: Slope-dependent modulation of muscle co-contraction in freely walking stick insects	Pratibha Yadav, Amir Ayali Sensorimotor perception and integration of multiple-simultaneous visual stimuli in locusts	Haruna Fujioka, Masato S. Abe, Yasukazu Okada Ant activity-rest rhythms vary with age and interaction frequencies of workers	Pablo Capilla-Lasheras, Alastair J. Wilson, Xavier Harrison, Emma Wood, Andrew J. Young Altruistic bet-hedging in an arid zone cooperative breeder
13:55-14:08	Pascal P. Klamser, Pawel Romanczuk All you need is statistical physics? Group- vs. Individual-Optimization against Predator Attacks	Takuma Sugi, Hiroshi Ito, Ken H. Nagai Dynamical network formation of C. elegans	Felix B. Oberhauser, Eliza J. T. Middleton, Tanya Latty, Tomer J. Czaczkes Meat ants cut more trail shortcuts when facing long detours	Yohan Sassi, A. Maldonado-Chaparro, Damien R. Farine The influence of social relationships on leader-follower decisions in highly dynamic bird flocks	M Rodriguez-Santiago, P Nührenberg, J Derry, O Deussen, F Francisco, LK Garrison, S Garza, HA Hofmann, M Wildner AL Jordan- Behavioural traits that define social dominance are the same that reduce social influence
14:10-14:23	Juliane Lukas, Pawel Romanczuk, Jaeug Choi, Jens Krause, David Bierbach La Olá' waves of the sulphur molly: adaptive anti-predator behavior of an extremophile fish	Ofri Eitan, Mor Taub, Amir Zviran, Arjan Boonman, Vladimiar Tourbabin, Anthony J. Weiss, Yossi Yovel Bats adjust their mouth-gape to rapidly narrow their acoustic 'field of view'	Jacob Davidson, Ahmed El Hady Foraging as an evidence accumulation process	Gaelle Fehlmann, Lucy Aplin Movement tracking reveals that parrots exploit cyclic, human-derived food opportunities in urban habitats	Dustin Rubenstein Epigenetics and environmental change: adaptation versus constraint
14:25-14:38	Christos C. Ioannou, Florence Rocque, James E. Herbert-Read, Callum Duffield, Josh A. Firth Anti-predator costs and benefits of leadership: experimental evidence using virtual prey attacked by real predators	Philip Shamash Escape from threat in the presence of obstacles	Gabriel Madirolas General rules to predict the outcome of chemotaxis across species	Daniel Knebel, Amir Ayali, Moshe Guershon, Gil Ariel Individual heterogeneity and intergroup variance in collective behavior	Michael Green, Will Swaney Transgenerational effects of simple and complex environments on behaviour in zebrafish
14:40-14:53	Syed Rafid Rahman, Imran Sajjad, Mohammad Mujtaba, Jesse Belden, Tadd Truscott Swarm formation characteristics and fear-based modeling of Tetra fish	William T. Swaney Neural mechanisms of simple grouping behaviour: nonapeptide regulation of shoaling in fish	Helder Hugo, Tristan Walter, Og DeSouza, Debora M. Gordon, Iain D. Couzin Soldiers, workers and their moves: group structure and collective motion in termite societies	Grace H. Davis, Margaret C. Crofoot Conflicts of interest and collective decision-making in white-faced capuchins (<i>Cebus capucinus</i>)	D. W. Franks, S. Nattrass, L. Brent, D. P. Croft, S. Ellis, M. A. Cant, M. Weiss, B. Wright, E. Stredulinsky, T. Doniol-Valcroze, J. K. B. Ford, K. C. Balcomb The evolution of menopause and post-reproductive lifespan

Tuesday

Session 3 (15:25 - 16:40)

	AUDIMAX A600	Room A701	Room A702	Room A703	Room A704
Theme	Predator Prey 2	Communication 1	Decision Making 2	Social Behavior	Learning and Culture
15:25	D. Meuthen, A. Salahinejad, M. C. O. Ferrari, D. P. Chivers Transgenerational transmission of predator-induced phenotypic plasticity during sexual reproduction in a cyprinid fish	Miriam Kuspel, Meike K. Zemihn, Tonko W. Zijlstra, Esther Clarke, Carel ten Cate Whistleblower: Variability of call combinations in a cooperatively breeding primate	Andrew Crump, Charlotte Mullens, Emily J. Bethel, Gareth Arnott Plastic pollution impairs shell selection behaviour in hermit crabs	Amiyaal Ilany, Camille Bordes, Rosanne Beukeboom, Yael Goll, Lee Koren Social allocation maintains bond stability in a wild rock hyrax population	Noa Truskanov, Yasmin Emery, Redouan Bshary Juvenile cleaner wrasses can learn socially about the consequences of cheating
15:40	Theresa Hügel, Holger R. Goerlitz Species-specific strategies increase unpredictability of escape flight in eared moths	Jenna Kohles, Rachel Page, Gerry Carter, Dina Dechmann Group foraging bats individually discriminate group members based on search-phase echolocation calls	Blair R. Costelloe, Benjamin Koger, Jacob M. Graving, Iain D. Couzin Revealing individual and collective visual fields in wild zebra herds using drone-based imaging	Teri Jones, John Arnold, Jonathan Green, Julian Evans, Marlenne Rodríguez-Malagón, Melanie Wells, Samantha Patrick Context dependent sociality across foraging strategies and behaviours in a colonial seabird	Charlotte Grund, Christof Neumann, Klaus Zuberbühler, Thibaud Gruber Necessity creates opportunities for chimpanzee tool use
15:55	Samuel Green, Rafael Duarte, Emily Kellett, Natasha Alagaratnam, Martin Stevens Should I change or should I go? How colour change and behavioural choices combine for camouflage	Szabolcs Számadó Help thine enemy- the evolution of short ranging signals	James A. Klarevas-Irby, Danai Papageorgiou, Damien R. Farine Inter-group dispersal in Vulturine guineafowl	Roi Harel, Carter Loftus, Margaret Crofoot Baboons unequally modulate their behavior to maintain group cohesion	Dianne H Brunton, Wesley Webb, Michelle Roper Male and female song: intra-sexual versus inter-sexual song learning by New Zealand Bellbirds
16:10	Karin Kjærsmo, Joanna Hall, Henry Knowles, Laszlo Talas, Heather Whitney, Nick Scott-Samuel, Innes Cuthill Iridescence as Camouflage	Richa Singh, Manjari Jain The Cocktail Party Problem: How do field crickets solve it?	Katalin Ozogány, Viola Kerekes, Máté Nagy, Zoltán Barta Movement patterns and leadership in a multilevel social group	Angela Albi, Jacob Davidson, Tristan Walter, Vivek H. Sridhar, Jake Graving, Iain Couzin Swarm intelligence and the avoidance of parasites in schooling fish	Wesley Webb Koe: web-based software to visualise, segment and classify acoustic units in animal vocalisations
16:25	Ana María Ospina-L, Paula Navarro-Salcedo, Julián Ríos-Soto, Sebastián Duarte-Marín, Fernando Vargas-Salinas When and how: temporal patterns, defensive behaviours and adaptive benefits associated to male parental care in the glassfrog <i>Centrolene savagei</i>	Louise R. Peckre, Peter M. Kappeler, Claudia Fichtel Multimodal communication in wild primates: comparing sociality and multimodal communication in two lemur species	Vivek Hari Sridhar, Renaud Bastien, Paul Szyszka, Nir S. Gov, Iain D. Couzin The geometry of decision making	Julian Evans, Manuela Ferrari, Anna K. Lindholm, Barbara König Social associations and communal nesting decisions in wild house mice: who benefits?	Lisa O'Bryan, Jian Cao, Stephanie Zajac, Ashutosh Sabharwal, Margaret E. Beier The Role of Team Heterogeneity in the Dynamics of Human Conversational Turn-taking

Wednesday

Session 4 (10:00 - 11:00)

	AUDIMAX A600	Room A701	Room A702	Room A703	Room A704
Theme	Movement Ecology 1	Parental Care	Cognition 1	Disease Ecology and Insects	Social Insects
10:00	Bart Kranstauber, Gabriella E.C. Gall, Tim Vink, Tim Clutton-Brock, Marta B. Manser Long-term movements and home range changes: rapid territory shifts in meerkats	E. McKenna Kelly Do nonapeptides regulate parental care depending on experience in zebra finches?	Daniel E. Bath, Iain D. Couzin Perceptual decision making in collectives	Rebecca S. Jones Parasite-induced bioluminescence deters predation of infected hosts by nocturnal rodent predators	H Michael Harrap Hidden floral signals used by bumblebee pollinators
10:15	Jörg Melzheimer, Heribert Hofer, Bettina Wachter Social hubs of an unsocial cat: cause and solution for the human-cheetah conflict	Mina Ogino, Adriana A. Maldonado-Chaparro, Damien R. Farine Parental provisioning behaviour and inheritance of social networks in a colonially-breeding bird	Yotam Ben-Oren, Noa Truskanov, Arnon Lotem Context-dependent decision-making in house sparrows	Gladys Julieth Castiblanco Quiroga, Paulo Felipe Cristaldo, Leticia Ribeiro de Paiva, Og DeSouza Being flexible in a rigid trait: modulation of Lévy walks in termite workers under distinct social encounter context	Lior Baltiansky, Efrat Greenwald, Ofer Feinerman How ant-to-ant feeding interactions lead to colony-level regulation of food-intake rate
10:30	Lucy A. Taylor, George Wittemyer, Ben Lambert, Iain Douglas-Hamilton, Fritz Vollrath Movement behaviour demonstrates precocial abilities of African savannah elephant (<i>Loxodonta africana</i>) calves	Lee Harten, Aya Goldshtein, Yossi Yovel Ontogeny of foraging via assisted learning by mothers in Egyptian fruit bat pups	Ellis JG Langley, Jayden O van Horik, Mark A Whiteside, Christine E Beardsworth, Philippa R Laker, Joah R Madden Heritable variation in cognitive traits in a semi-natural system, the pheasant	Christoph Kurze, Yizhe Zhang, Elizabeth W. Eisenhauer, Danny Z. Chen, Ephraim Hanks, David P. Hughes Social behavior and disease transmission	Cornelia Buehlmann, Paul Graham Multimodal navigation in ants: How do different strategies interact?
10:45	Edward Hurme, Stefan Greif, Andrea Valdés, Gerardo Herrera, José Juan Flores Martinez, Dave Johnston, Yossi Yovel, Gerald S Wilkinson Foraging site selection from GPS telemetry in a marine foraging bat	Harry H Marshall, Faye J Thompson, Emma IK Vitikainen, Michael A Cant Postnatal care compensates for prenatal inequalities in wild banded mongooses	Zegni Triki, Rui Oliveira, Yasmin Emery, Magda Teles, Redouan Bshary Relationship between population densities, forebrain measurements and social competence in cleaner fish	Jolle W. Jolles, Geoffrey P. F. Mazué, Jacob Davidson, Jasminca Behrmann-Godel, Iain D. Couzin Parasite infection affects individual and thereby collective movements of three-spined sticklebacks	Michael L. Smith, Benjamin Wild, David Dormagen, Tim Landgraf, Iain D. Couzin Using automated tracking to show how honey bees move within their nest

Wednesday

Session 5 (11:30 - 12:45)

	AUDIMAX A600	Room A701	Room A702	Room A703	Room A704
Theme	Communication 2	Social Networks	Cognition 2	Physiology and Inter-individual Differences	Cooperation
11:30	Kristina L. Cornhill, Graham I. H. Kerley Footage of the communication function by cheetah at scent-marking sites	Elva J. H. Robinson, Dominic Burns, Daniel W. Franks, Samuel Ellis Dynamic ant networks: how does social structure respond to changes in the resource environment?	Christoph J. Völter, Many Primates The ManyPrimates Project: Establishing an infrastructure for collaboration in primate cognition research	Ben Cooper, Tom Matheson, Swidbert R. Ott HSP90 increases individual behavioural consistency in the desert locust	Dario Josi, Dik Heg, Tomohiro Takeyama, Danielle Bonfils, Dmitry A. Konovalov, Joachim G. Frommen, Masanori Kohda, Michael Taborsky Relatedness, social structure and helping behaviour in the cooperatively breeding cichlid <i>Neolamprologus savory</i>
11:45	Nora Carlson, Mate Nagy, Hemal Naik, Jens Koblitz, Iain Couzin Do Starlings use 'contact calls' to coordinate group foraging behaviour?	Valentin Lecheval, Dominic Burns, Samuel Ellis, Matina Donaldson-Matasci, Elva Robinson Morphogenesis of networks in polydomous ants	Eleanor Jordan, Matthias Allritz, Manuel Bohn, Christoph J. Völter, Amanda Seed Do capuchin monkeys show strategic information seeking to fill gaps in their knowledge?	Stoyo Karamihalev, Oren Forkosh, Simone Roeh, Mareen Engel, Uri Alon, Sergey Anpilov, Chadi Touma, Markus Nussbaumer, Cornelia Flachskamm, Paul Kaplick, Yair Shemesh, Alon Chen Identity domains in complex behavior: Toward a biology of personality	Joachim G. Frommen, Dario Josi, Frank Groenewoud, Jana Flury, Fabian Heussler, Michael Taborsky Direct and indirect benefits as drivers of complex group structure
12:00	Ramona Rauber, Marta Manser Experience of the signaller explains the use of social versus personal information in the context of sentinel behaviour in meerkats	Einav Tamam, Lior Baltiansky, Ofer feinerman The distributed regulation of multiple nutrients in ant colonies	Julia Fischer, Franziska Wegdell, Kurt Hammerschmidt Green monkey responses to drones: insights into the evolution of alarm call systems	Rebecca Krebs, Miriam Linnenbrink, Anja Guenther Personality-dependent movement, space use and fitness in wild house mice	Manon K. Schweinfurth, Josep Call Is there reciprocal cooperation in non-human primates?
12:15	Michelle M. Roper, Wesley H. Webb, Aaron M.T. Harmer, Christine Evans, Dianne H. Brunton Female song repertoires in the New Zealand bellbird: sexual and temporal variation	Tamao Maeda, Sakiho Och, Monamie Ringhofer, Satoshi Hirata, Shinya Yamamoto Multi-level structure in feral horse society: Evidence from the aerial observation from drones	Rahel K. Brügger, Judith M. Burkart Using thermography to understand third-party social evaluation in cooperatively breeding common marmosets	Ana Cristina R. Gomes, Neeltje J. Boogert, Tim W. Fawcett, Gonçalo C. Cardoso Development and retention times of behavioural performance predict the evolution of plastic behaviour in unstable environments	Sylvia Dimitriadou, Eduarda Santos, Darren P. Croft, Safi K. Darden Isotocin receptor expression and social experiences in the Trinidadian guppy (<i>Poecilia reticulata</i>)
12:30	Javier Siervo, Selvino de Kort, Ian R. Hartley Good singers find more eggs in their nest: Song consistency predicts fecundity in blue tits (<i>Cyanistes caeruleus</i>)	Carter Loftus, Jennifer Mack, Roi Harel, Margaret Crofoot Within-group variation and synchronization in nocturnal activity of free-ranging olive baboons	TBA	David Rozen-Rechels, Andréaz Dupoué, Olivier Lourdais, Simon Chamailé-Jammes, Sandrine Meylan, Jean Clobert, Pauline Farigoule, Beatriz Decencièrre, Simon Agostini, Jean-François Le Galliard When water meets temperature: behavioral thermo-hydroregulation in a terrestrial ectotherm	TBA

Wednesday

Session 6 (15:20 - 16:20)

	AUDIMAX A600	Room A701	Room A702	Room A703	Room A704
Theme	Social and Collective Behavior	Behavioral Physiology	Cognition 3	Sensing and Physiology	Foraging 1
15:20	Benjamin Koger, Blair R. Costelloe, Jacob M. Graving, Iain D. Couzin Drones and Deep Learning Reveal Visually-mediated Collective Decision Making in the Wild	C. Christensen, J. M. O'Riain, A. Bracken, A. J. King, I. Fürtbauer Primate socio-endocrinology revisited: new tools to tackle old questions	Cecilia Baldoni, Désirée Brucks, Anastasia Krasheninnikova, Matthew Petelle, Auguste von Bayern Let it go: macaws wait for better rewards in a self-control paradigm	Jennifer Morinay, Jukka Forsman, Blandine Doligez Heterospecific song quality constitutes social information for settlement decisions in a wild bird	Tatiana Murillo, Dominik Schneider, Rolf Daniel, Claudia Fichtel Factors shaping the gut bacterial communities of wild red-fronted lemurs (<i>Eulemur rufifrons</i>)
15:35	Liang Li, Mate Nagy, Jacob M. Graving, Joseph Bak-Coleman, Guangming Xie, Iain D. Couzin Schooling fish save energy by vortex phase matching	Subash K. Ray, Gabriele Valentini, Purva Shah, Abid Haque, Chris R. Reid, Gregory F. Weber, Simon Garnier Distributed information transfer in slime mold <i>Physarum polycephalum</i>	José Ricardo Paula, Miguel Baptista, Francisco Carvalho, Tiago Repolho, Redouan Bshary, Rui Rosa High CO conditions disrupt cleaner fish cognition but reveals potential for adaptation	Charlotte Solman, I. Fürtbauer Cortisol coregulation between dogs and owners	Nitika Sharma, Raghavendra Gadagkar Spatial organization of food distribution on the nests of the primitively eusocial paper wasp <i>Ropalidia marginata</i>
15:50	Francisco J. H. Heras Deep attention networks reveal the rules of collective motion in zebrafish	Conor Taff, Cedric Zimmer, Maren Vitousek Signal manipulation alters the integration of social behavior, physiology, and performance	Eduardo Sampaio, Catarina Ramos, Bruna Bernardino, Maela Bleunven, Marta Augustin, Érica Moura, Vanessa M. Lopes, Rui Rosa Neurally underdeveloped cuttlefish newborns exhibit social learning	Anna Hughes The role of edge enhancement in background matching and disruptive camouflage	Matthias Allritz, Emma McEwen, Francine Dolins, Karline Janmaat, Kenneth Schweller, Charles Menzel, Josep Call Chimpanzee (<i>Pan troglodytes</i>) navigation in a virtual 3D foraging game
16:05	André C. Ferreira, Liliana R. Silva, Francesco Renna, Julien P. Renoult, Damien R. Farine, Rita Covas, Claire Doutrelant Individual identification using deep learning in wild birds	R. Lloret-Cabot, M. Panlilio, W.S. Ryu, J. Garriga, D. Campos, F. Bartumeus Stochastic motor control of search behaviour in the model organism <i>C. elegans</i>	Alex Kacelnik, Alice Auersperg, Manuel Baum, Oliver Brock, Antonio J Osuna Mascaró, Theresa Rössler, Max Winkelmann Problem solving in cockatoos and robots: emulating animal cognition with synthetic intelligence	Adélaïde Sibeaux, Madison L. Keser, Gemma L. Cole, Alexandra M. Kranz, John A. Ender How viewing objects with the dorsal or ventral retina affects colour-related behaviour in guppies (<i>Poecilia Reticulata</i>)	Shahin Alavi, Kevin McLean, Damien Caillaud, Rafael Mares, Rasmus Worsøe Havmøller, Ben Hirsch, Roland Kays, Margaret Crofoot Locomotor adaptations reflect differences in habitat use between four frugivorous rainforest mammals

Wednesday

Session 7 (16:40 - 17:40)

	AUDIMAX A600	Room A701	Room A702	Room A703	Room A704
Theme	Movement Ecology 2	Sensing and Behavior	Mating Systems	Sexual Selection and Conflict	Foraging 2
16:40	<p>Sota Inoue, Keiichiro Fukazawa, Satoshi Hirata</p> <p>Estimation of attraction and repulsion forces working among individuals in feral horses</p>	<p>Amanda Melin, Omer Nevo, Mika Shirasu, Rachel Williamson, Eva Garrett, Mizuki Endo, Kodama Sakurai, Yuka Matsushita, Kazushige Touhara, Shoji Kawamura</p> <p>Fruit investigation behaviors vary with color vision phenotype in wild capuchin monkeys</p>	<p>Adriana A. Maldonado-Chaparro, Damien R. Farine</p> <p>Pair-bond stability does not benefit reproductive performance of breeding pairs</p>	<p>Pauline Ducouret, Amélie N. Dreiss, Andrea Romano, Patrick Marmaroli, Xavier Falourd, Alexandre Roulin</p> <p>The art of diplomacy in vocally negotiating barn owl siblings</p>	<p>Aya Goldshtein, Simon Collet, Amos Korman, Ofri Eitan, Michal Handel, Stefan Greif, Rodrigo Medellin, Yossi Yovel</p> <p>A simple efficient foraging strategy to exploit a replenishing resource under competition uncertainty</p>
16:55	<p>Rasmus W. Havmoeller, Carter Loftus, Linnea W. Havmoeller, Shauhin Alavi, Ben Hirsch, Damien Caillaud, Roland Kays, Margaret Crofoot</p> <p>Quantifying exploitative competition in Neotropical frugivores</p>	<p>Jolyon Troscianko, Cedric P. van den Berg, John A. Endler, N. Justin Marshall, Karen L. Cheney</p> <p>A Comprehensive Framework for the Analysis of Colour Patterns in Nature</p>	<p>Aswathy Nair, Rohini Balakrishnan</p> <p>Mate encounter in a multimodal duetting system</p>	<p>Aneesh Bose, Holger Zimmermann, Jonathan Henshaw, Karoline Fritzsche, Kristina Sefc</p> <p>Cuckoldry in the family: Inclusive fitness benefits can mitigate costs of paternity losses</p>	<p>Jessica A Phillips, Tim Guilford, Phil Trathan</p> <p>Dive Like a Penguin - Foraging Flexibility of Chinstrap Penguins in the South Shetland Islands</p>
17:10	<p>Matthias-Claudio Loretto, Mario Gallego-Abenza, Thomas Bugnyar</p> <p>Which factors influence movement and association patterns of non-breeding ravens?</p>	<p>Erica L. Morley</p> <p>Sensory biology in ballooning spiders</p>	<p>Kristina B. Beck, Mihai Valcu, Bart Kempenaers</p> <p>Within-individual variation in divorce and extra-pair paternity in blue tits (<i>Cyanistes caeruleus</i>)</p>	<p>Yoonjung Yi, Claudia Fichtel, Erick Kim, Jae C. Choe</p> <p>Impacts of inter-group interactions on intra-group behavioral changes in Javan gibbons (<i>Hylobates moloch</i>)</p>	<p>Hannah E. A. MacGregor, James E. Herbert-Read, Christos C. Ioannou</p> <p>Resource competition can explain coexistence and switching of collective states in fish shoals</p>
17:25	<p>David J. Pritchard, T. Andrew Hurly, Theoni Photopoulou, Susan D. Healy</p> <p>Visual landmarks and experience affect where and how wild hummingbirds search</p>	<p>J. E. Herbert-Read, N. Kolm, D. Reed, C. Tosh, I. Cuthill, C. C. Ioannou</p> <p>Windows of perception and collective sensing in animal groups</p>	<p>Ian Etheredge, Alex Jordan</p> <p>Empirical dynamic modelling for the study of complex mate choice systems in <i>Poecillidae</i></p>	<p>Maria Florencia Scaia, Vance Trudeau, Gustavo Manuel Somoza, Matias Pandolfi</p> <p>Fighting cichlids: morphometric and hormonal analysis to understand female and male aggression</p>	<p>A. Bracken, J. M. O'Riain, C. Christensen, I. Fürtbauer, A. J. King</p> <p>Causes and consequences of baboon (<i>Papio ursinus</i>) urban-foraging in Cape Town, South Africa</p>