

THURSDAY, 6th April 2017

19.00-21.00 Welcome reception at MTA Guesthouse

FRIDAY, 7th April 2017

9.00-9.20 Introduction

9.20-10.45 Abstract not available

Franjo Weissing

University of Groningen, Groningen, The Netherlands

10.05-10.20 Deceptive female ornaments drive coevolution of remarkable eye dimorphism among dance flies

R. Axel W. Wiberg^{1,2}, Rosalind L. Murray³, Elizabeth J. Herridge¹, Darryl T. Gwynne³, Luc F. Bussière¹

¹*University of Stirling, Stirling, UK*

²*University of St. Andrews, St. Andrews, UK*

³*University of Toronto at Mississauga, Mississauga, ON, Canada*

10.20-10.50 Coffee break

10.50-11.35 Coevolutionary models about parental care and mate searching

Lutz Fromhage

University of Jyväskylä, Jyväskylä, Finland

11.35-11.50 Sharing mates and nestboxes is associated with female “friendship” in European starlings *Sturnus vulgaris*

Martine Hausberger, Cecile Bourguet, Marion Coulon, Christine Aubry, Laurence Henry

Laboratoire Ethos, Ethologie Animale et Humaine, Rennes, France

11.50-12.05 Socially competing males and females and the evolution of sexual monomorphism

Angelika Ziegelbecker, Kristina Sefc

University of Graz, Graz, Austria

12.05-13.00 General discussion

13.00-14.00 Lunch

14.00-14.45 Inducing cooperative breeding and polygyny: ecological constraints and flexibility of fish breeding systems

Franziska Lemmel-Schädelin, Filipa Cunha-Saraiva, Richard H. Wagner, Sigal Balshine

Konrad Lorenz Institute of Ethology, Vienna, Austria

14.45-15.30 Ecological factors associated with sex-roles: a comparison of two closely related coucal species

Wolfgang Goymann

Max-Planck-Institut für Ornithologie, Seewiesen, Germany

15.30-16.00 Coffee break

16.00-16.45 Adult sex ratios and their implications for cooperative breeding

Jan Komdeur¹, Tamás Székely^{2,3}, Xiaoyan Long^{1,2}, Sjouke A. Kingma¹

¹*Behavioural & Physiological Ecology, Groningen Institute for Evolutionary Life Science, University of Groningen, Groningen, The Netherlands*

²*Milner Centre for Evolution, University of Bath, Bath, United Kingdom*

³*Wissenschaftskolleg zu Berlin, Berlin, Germany*

16.45-17.00 Mating prospects along an ecological gradient

Katja Heubel

Institute for Zoology, Grietherbusch Research Station, University of Cologne, Germany

- 17.00-17.15 Nest characteristics, but not body condition, determine parental males' success in a harvestman**
Gustavo S. Requena, Vinicius Montagner
Departamento de Ecologia, Universidade de São Paulo, Brazil
- 17.15-17.30 Sex determines glucocorticoid modulation and fitness consequences**
Bianca Jimeno^{1,2}, Michael Briga^{1,3}, Michaela Hau², Simon Verhulst¹
¹*Groningen Institute for Evolutionary Life Sciences, University of Groningen, The Netherlands*
²*Max Planck Institute for Ornithology, Seewiesen, Germany*
³*Department of Biology, University of Turku, Finland*
- 17.30-18.00 General discussion**

SATURDAY, 8th April 2017

- 9.00-9.45 Complex Homology and the Neuromolecular Evolution of Social Behavior**
Hans A. Hofmann, Rebecca L. Young
Integrative Biology, The University of Texas at Austin
- 9.45-10.00 Plastic sex roles in the peacock blenny *Salaria pavo* – a transcriptomic perspective**
Sara D. Cardoso^{1,2}, João L. Saraiva³, David Gonçalves⁴, Rui F. Oliveira^{1,2}
¹*Instituto Gulbenkian de Ciência, Oeiras, Portugal*
²*ISPA - Instituto Universitário, Lisbon, Portugal*
³*CCMAR – Centro de Ciências do Mar, Universidade do Algarve, Faro, Portugal*
⁴*Institute of Science and Environment, University of Saint Joseph, Macau SAR, China*
- 10.00-10.45 Sex differences in vasopressinergic regulation of rodent behavior: studies in spontaneous vasopressin mutant Brattleboro rat**
Dóra Zelena, Anna Fodor, János Varga, Diána Balázsfi, József Haller
HAS Institute of Experimental Medicine, Budapest, Hungary
- 10.45-11.00 Coffee break**
- 11.00-11.45 Neurogenomics and connectomics of parental behaviour**
 Árpád Dobolyi
MTA-ELTE NAP B Laboratory of Molecular and Systems Neurobiology, Eötvös Loránd University, Budapest, Hungary
- 11.45-12.00 Using transcriptomics to understand complex behaviour using an avian model**
 Kathryn Maher
Department of Biology and Biochemistry, University of Bath, UK
- 12.00-13.00 General discussion**
- 13.00-14.00 Lunch**
- 14.00-14.45 Chromosomal inversions: one small step for ruff, one giant leap in behaviour**
 Clemens Küpper
Max Planck Institute for Ornithology, Seewiesen, Germany
- 14.45-15.30 Abstract not available**
 Araxi Urrutia
University of Bath, UK
- 15.30-16.00 Coffee break**
- 16.00-16.10 Sex-dependent role of vesicular glutamate transporter 3 in stress-regulation and related anxiety phenotype during the early postnatal period**
Balázsfi Diána^{1,2}, Farkas L¹, Csikota P¹, Fodor A^{1,2}, Zsebők S³, Haller J¹, Zelena D¹
¹*Hungarian Academy of Sciences, Institute of Experimental Medicine, Budapest, Hungary*
²*János Szentágothai School of Neurosciences, Semmelweis University, Budapest, Hungary*
³*Behaviour Ecology Research Group, Department of Systematic Zoology and Ecology, Eötvös Loránd University, Budapest, Hungary*

- 16.10-16.20 The role of dietary niche divergence in the evolution of sexual size dimorphism in birds**
Carolina Bravo, Luis M. Bautista, Juan Carlos Alonso
Dpt. Ecología Evolutiva. Museo Nacional de Ciencias Naturales CSIC, Madrid, Spain
- 16.20-16.30 Implications of parental care in the population dynamic of a threatened shorebird species**
Medardo Cruz-López^{1,2}, Luke J. Eberhart-Phillips³, Guillermo Fernández², René Beamonte-Barrientos⁴, Tamás Székely⁵, Martín A. Serrano-Meneses⁶, Clemens Küpper⁷
¹*Posgrado en Ciencias del Mar y Limnología, Universidad Nacional Autónoma de México, Mexico*
²*Unidad Académica Mazatlán, Instituto de Ciencias del Mar y Limnología, Universidad Nacional Autónoma de México, Mexico*
³*Department of Animal Behaviour, Bielefeld University, Germany*
⁴*Laboratorio de Ecofisiología, Centro Tlaxcala de Biología de la Conducta, Universidad Autónoma de Tlaxcala, Mexico*
⁵*Department of Biology and Biochemistry, University of Bath, UK*
⁶*Laboratorio de Biología Evolutiva, Centro Tlaxcala de Biología de la Conducta, Universidad Autónoma de Tlaxcala, Mexico*
⁷*Max Planck Institute for Ornithology, Seewiesen, Germany*
- 16.30-16.40 Operational sex ratio affects male courtship propensity, not frequency, in the two-spotted goby**
Karen de Jong¹, Trond Amundsen², Elisabet Forsgren³
¹*Research Station Grietherbusch, General Zoology, University of Cologne, Rees-Grietherbusch, Germany*
²*Department of Biology, Norwegian University of Science and Technology (NTNU), Trondheim, Norway*
³*The Norwegian Institute for Nature Research (NINA), Trondheim, Norway*
- 16.40-16.50 Mapping the neuronal activation of parental brain in female zebra finches**
Emese A. Fazekas^{1,2}, Boglárka Morvai², Gergely Zachar³, Ákos Pogány², Árpád Dobolyi¹
¹*MTA-ELTE NAP B Laboratory of Molecular and Systems Neurobiology, Eötvös Loránd University, Budapest, Hungary*
²*Department of Ethology, Eötvös Loránd University, Budapest, Hungary*
³*Department of Anatomy, Histology and Embryology, Semmelweis University, Budapest, Hungary*
- 16.50-17.00 Male widow spiders choose to mate with cannibalistic females regardless of the seemingly reduced reproductive success**
 Authors: Shevy Waner^{1,2}, Uzi Motro², Yael Lubin³, Ally Harari¹
¹*The Volcani Center, Rishon Lezion, Israel*
²*The Hebrew University of Jerusalem, Jerusalem, Israel*
³*Ben Gurion University of the Negev, Sede Boqer campus, Israel*
- 17.00-17.10 Sexual selection on seductive female characters**
Elizabeth J. Herridge¹, Rosalind L. Murray², Andre S. Gilburn¹, Darryl T. Gwynne², Luc F. Bussière¹
¹*University of Stirling, Stirling, UK*
²*University of Toronto at Mississauga, Mississauga, ON, Canada*
- 17.10-17.20 A case of parthenogenesis in raft spiders**
Simona Kralj-Fišer^{1,2}, Nina Šrarnel², Alastair Gibbons³, Mia Keeton³, Sara Goodacre³
¹*Evolutionary Zoology Laboratory, Institute of Biology, Scientific Research Centre of the Slovenian Academy of Sciences and Arts, Ljubljana, Slovenia*
²*University of Primorska, Faculty of Mathematics, Natural Sciences and Information Technologies, Koper, Slovenia*
- 17.20-17.30 Duration of parental care in plovers: a multi-population approach**
Krisztina Kupán¹, Clemens Küpper², Tamás Székely³
¹*Institute of Zoology, Graz, Austria*
²*Max Planck Institute for Ornithology, Seewiesen, Germany*
³*Milner Centre for Evolution, Department of Biology and Biochemistry, University of Bath, UK*
- 17.30-17.40 The evolution of parental care: phylogenetic analyses of life history and ecology in birds**
Xiaoyan Long, Yang Liu, András Liker, Franjo Weissing, Jan Komdeur, Tamás Székely
University of Groningen, The Netherlands
- 17.40-17.50 A phylogenetic approach to quantitatively comparing elaborate song in female and male songbirds**
Karan J. Odom, Katharina Riebel
Leiden University, Institute of Biology (IBL), The Netherlands

- 17.50-18.00** **Extra-pair paternity of two coucal species that differ in sex roles**
Ignas Safari^{1,2,3}, Wolfgang Goymann^{1,2}
¹Max Planck Institute for Ornithology, Department for Behavioural Neurobiology, Seewiesen, Germany
²Coucal Project, Chimala, Tanzania
³University of Dodoma, Department of Conservation Biology, Dodoma, Tanzania
- 18.00-18.10** **Male mating and reproductive success depends on his body size**
Nina Šrnel¹, Simona Kralj-Fišer^{1,2}
¹University of Primorska, Faculty of Mathematics, Natural Sciences and Information Technologies, Koper, Slovenia
²Evolutionary Zoology Laboratory, Institute of Biology, Scientific Research Centre of the Slovenian Academy of Sciences and Arts, Ljubljana, Slovenia
- 18.10-18.20** **Evolution of parental care in frogs: life history, ecology and sexual selection**
Balázs Vági¹, Zsolt Végvári^{1,2}, Gergely Katona¹, András Liker³, Robert P. Freckleton⁴, Tamás Székely⁵
¹Department of Evolutionary Zoology and Human Ecology, University of Debrecen, Debrecen, Hungary
²Department of Conservation Zoology, University of Debrecen - Hortobágy National Park Directorate, Debrecen, Hungary
³Department of Limnology, University of Pannonia, Veszprém, Hungary
⁴University of Sheffield, Western Bank, Sheffield, South Yorkshire, UK
⁵Department of Biology and Biochemistry, University of Bath, UK
- 18.20-18.30** **Gender and reproductive status-dependent changes in the expression of arginine vasotocin and vasoactive intestinal polypeptide in the brain of the zebra finch (*Taeniopygia guttata*)**
Szabina Udvardy^{1,2}, Catherine Montagnese¹, Ákos Pogány³, András Csillag¹, Gergely Zachar¹
¹Semmelweis University, Department of Anatomy, Histology and Embryology, Budapest, Hungary
²University of Veterinary Medicine, Budapest, Hungary
³Eötvös Loránd University, Department of Ethology, Budapest, Hungary
- 19.30-** **Farewell Dinner**

SUNDAY, 9th April 2017

- 9.00-9.15** **Sex roles, sex ratios and breeding dispersal: phylogenetic analyses in birds**
Zsolt Végvári, Gergely Katona, Balázs Vági, Tamás Székely, András Liker
 University of Debrecen, Debrecen, Hungary
- 9.15-10.00** **Comparative analyses of sex roles and adult sex ratios in tetrapods**
 András Liker¹, Tamás Székely²
¹University of Pannonia, Veszprém, Hungary
²University of Bath, Bath, United Kingdom & University of Debrecen, Debrecen, Hungary
- 10.00-10.45** **The importance of sex determination for the variation of sex ratios within and among species**
 Veronika Bókony
 MTA ATK NÖVI, Hungary
- 10.45-11.00** **Coffee break**
- 11.00-11.45** **Investigating the evolution of sex roles in phylogenetic comparative analyses**
 László Zsolt Garamszegi
 Estacion Biologica de Donana – CSIC
- 11.45-12.30** **General discussion**