

Detailed Program

7th November (Thursday)

Venue: Main Building of the University of Debrecen

14:00 – 20:00 **Registration**

17:00 – 18:00 **Opening public plenary, Ruth Mace:** Evolution of families: using behavioural ecology to understand cultural evolution in humans

18:00 – 20:00 **Welcome reception**

8th November (Friday)

Venue: Life Science Building, Room 003-004

08:20 – 08:30 **Opening ceremony (Chair: Tamás Székely)**

08:30 – 09:30 **Plenary talk, Rosemary Grant & Peter Grant:** Mate choice in Darwin's finches

09:30 – 10:00 **Coffee break**

10:00 – 10:15 **Group photo**

10:15 – 10:45 **Keynote lecture, Araxi Urrutia:** A comparative genomics approach to analyse gene family size (GFS) and SSD variations across mammalian species

10:45 – 11:00 **Regular Session 1 (Chair: Zoltán Németh)**

10:45 – 11:00: **Jan Komdeur:** Cooperation and parental senescence

11:00 – 11:15: **János Kis:** Body size-related survival in a natural population of Clouded Apollo butterflies, *Parnassius mnemosyne*

11:15 – 11:30: **Ádám Gór:** Prolonged mate-guarding and male investment dynamics in Clouded Apollo butterflies, *Parnassius mnemosyne* (Parnassiinae: Papilionidae)

11:30 – 11:45: **Szilvia Kovér:** How to define and estimate reproductive synchrony indices for insect populations

11:45 – 12:45 **Regular Session 2 (Chair: Zoltán Németh)**

11:45 – 12:00: **Grant C. McDonald:** Does social structure relate to breeding ecology? A case study with an island bird, the Kentish plover

12:00 – 12:15: **Karola Szemán:** Harem size variation in Przewalski's horses in a European reserve

12:15 – 12:30: **Lajos Rózsa:** Sexual selection in contagious pathogens: case studies on parasitic lice (Phthiraptera)

12:30 – 12:45: **Attila Németh:** Blind date: Insights into the reproductive biology of the Blind mole rats

12:45 – 14:00 **Lunch at the Nagyerdei Restaurant**

14:00 – 14:30 **Keynote lecture, András Liker:** Predictors of adult sex ratios in tetrapods: sex determination, mortality, and maturation

14:30 – 16:00 **Regular Session 3 (Chair: Balázs Vági)**

14:30 – 14:45: **Lisheng Zhang**: Adult sex ratio affects contest and courtship strategies, but not defence strategies in dung beetles

14:45 – 15:00: **Xiaoyan Long**: Coevolution of sex ratios and sex-specific parental roles

15:00 – 15:15: **Gergely Katona**: Evolution of parental care in ray-finned fish species

15:15 – 15:30: **Jenő Nagy**: Broodmate aggression and life history variation in accipitrid birds of prey

15:30 – 15:45: **Naerhulan Halimubieke**: Mate fidelity in Plovers: a multi-population approach

15:45 – 16:00: **Balázs Vági**: Why do frogs have extremely diverse parental care? Phylogenetic analyses of environment, life histories and climatic factors

16:00 – 16:30 **Coffee break**

16:30 – 17:20 **Plenary talk, Beáta Oborny**: Divided we stand, united we fall? - Fragmentation and clonal reproduction in plants

17:20 – 18:35 **Regular Session 4 (Chair: Balázs Vági)**

17:20 – 17:35: **Liz Pásztor**: Community constraints on plant reproductive strategies

17:35 – 17:50: **Nóra Magonyi**: Extra-pair paternity and intraspecific brood parasitism in the Red-footed Falcon (*Falco vespertinus*) using species-specific and cross-species microsatellite markers

17:50 – 18:05: **Lilla Jordán**: Females' reproductive state influences temperature-dependent locomotor performance differently in two Lacertid lizards (*Lacerta viridis*, *Podarcis taurica*)

18:05 – 18:20: **Yael Lubin**: Dispersal decisions and the presence of endosymbionts in an inbred social beetle

18:20 – 18:35: **Zoltán Varga**: Polyandry and sexual selection in insects

18:35 – 19:00 **Refreshments**

19:00 – 19:40 **Slide show, Attila Szilágyi & Szilvia Gőri**: Biodiversity in the Hortobágy National Park, a UNESCO World Heritage Site

9th November (Saturday)

Venue: Life Science Building, Room 003-004

08:30 – 09:20 **Plenary talk, Szabolcs Lengyel**: Applications of knowledge on reproductive strategies in conservation biology: historical gaps, present efforts, and future avenues for integration

09:20 – 09:50 **Coffee break**

09:50 – 10:20 **Keynote lecture, Béla Tóthmérész**: The role of plant dispersal and establishment in restoration projects

10:20 – 11:50 **Regular Session 5 (Chair: Balázs Deák)**

10:20 – 10:35: **Anett Endrédi**: Reproduction strategy of an endangered annual plant species and its consequences

10:35 – 10:50: **András Kelemen**: Effects of unpalatable plant species on the reproductive success of other pasture plants

10:50 – 11:05: **Ádám Kiss**: Breeding success and conservation management of Collared Pratincole (*Glareola pratincola*) breeding in aricultural habitats of the Nagykunság region

11:05 – 11:20: **Orsolya Kiss**: Reproductive performance of the European roller in Southern Hungary

11:20 – 11:35: **Sabine Tebbich**: A change in the reproductive strategy of the invasive parasitic fly *P. downsi* causes increased mortality in its avian hosts on the Galápagos Islands

11:35 – 11:50: **Muhammad Sulyman**: Canopy size, conspecific distance and elevation predict insect herbivory in olive plants (*Olea europaea*)

11:50 – 13:00 **Lunch at the Nagyerdei Restaurant**

13:00 – 13:50 **Plenary talk, Hans Hoffman**: Neural and molecular evolution of reproductive strategies

13:50 – 14: 20 Keynote lecture, **Zoltán Barta**: Biparental care in the beetle *Lethrus apterus*

14:20 – 15:20 **Regular Session 6 (Chair: Tamás Székely)**

14:20 – 14:35: **José O. Valdebenito**: Sex-specific cellular immunity in wild birds: a meta-analytic approach

14:35 – 14:50: **Wolfgang Goymann**: It's the brain, not the gonad, Oida! – Hormones and mating system differences in coucals

14:50 – 15:05: **Mirjam Borger**: How well do estimated reproductive values predict the genetic contribution to future generations?

15:05 – 15:20: **Géza Meszéna**: Emergence of reproductive isolation in ecological speciation

15:20 – 15:50 **Coffee break**

15:50 – 16:40 **Plenary talk, Ran Nathan**: What can movement ecology tell us about reproductive strategies?

16:40 – 17:10 Keynote lecture, **Andy Green**: Some modern myths about seed dispersal and functional traits

17:10 – 18:25 **Regular Session 7 (Chair: Orsolya Valkó)**

17:10 – 17:25: **Ádám Lovas-Kiss**: Do alien plants perform better at endozoochorous dispersal than natives? A case study with mallards

17:25 – 17:40: **Balázs Deák**: Plant dispersal strategies in transformed agricultural landscapes - Effects of landscape and habitat filters on grassland specialist species of habitat islands

17:40 – 17:55: **Laura Godó**: Role of rodents in the reproduction of grassland plants– a review on the seed dispersal mechanisms by rodents

17:55 – 18:10: **Orsolya Valkó**: Field biologists as seed dispersers - New aspects of human-mediated

18:10 – 18:30 **Closing ceremony**

20:00 – **Gala Dinner at the Krúdy Restaurant (optional program)**