Programme

SUNDAY, 17TH OF SEPTEMBER – *Emanuel de Martonne st. 1, Casa Universitarilor*

17:00 – Arrival and registration of participants
19:00 – Welcome cocktail

MONDAY, 18TH OF SEPTEMBER – *Zoology Building of the Faculty of Biology and Geology, Clinicilor st. 5-7*

8:00–8:45 Registration of participants
8:45–9:00 Conference opening

Plenary talk
9:00 From the past to the present: 100,000,000 years of ant history.
Alexander Radchenko
Section chair: ***Simon Tragust***
10:00 Social insect aging from a *Cardiocondyla*-biased perspective.
Luisa María Jaimes Niño
10:15 Effects of colony fusions on evolutionary optimal colony size in a termite species.
Stephan Lohmar
10:30 Convergent evolution of helping behaviour in a neotropical Army ant.
Juan José Lagos-Oviedo

Coffee Break

Section chair: ***Tomer J Czaczkes***
11:15 Ecological drivers of sociality in *Xyleborinus saxesenii*, a widely distributed ambrosia beetle. ***Antoine Melet***
11:30 Wood-pastures promote environmental and ecological heterogeneity on a small spatial scale: the "ecosystem complex" approach. ***Adam Lőrincz***
11:45 Environmentally driven behavioural trait variation may promote species coexistence in ants. ***Florian Menzel***
12:00 Effect of different wood-pasture habitat types on ant functional traits.
István Elek Maák

Lunch

Plenary talk
14:00 Ants under parasitic siege: from specialist to generalist fungi. ***Enikő Csata***
Section chair: ***Heike Feldhaar***
15:00 Social immunity behaviors in ant-nematode interactions. ***Florian Strahodinsky***
15:15 A new puppet-master and its puppet? Behavioural manipulation in the host-parasite system between the fly *Strongygaster globula* and its ant host.
Simon Tragust
15:30 Host-parasite interaction cause morphological changes in a solitary bee and its endoparasite. ***Silvio Erler***

Coffee Break

Section chair: ***Ioan Tăuşan***

16:15 Combined stressors in the agriculture – Investigating more effects than honey bee colony development. ***Karoline Wüppenhorst***

16:30 Development of ant colonies in an urban-rural gradient. ***Gema Trigos Peral***

16:45 Communal nest-founding in *Euglossa cybelia*. ***Jonas Henske***

17:00 Genetic divergence and aggressiveness within a supercolony of the invasive ant *Linepithema humile.* ***Iago Sanmartín-Villar***

17:30–19:00 – Poster session with drinks

19:00 – Dinner

TUESDAY, 19TH OF SEPTEMBER – *Zoology Building of the Faculty of Biology and Geology, Clinicilor st. 5-7*

Plenary talk

9:00 Why can social insect queens live so long? Insights from termites. ***Judith Korb***

Section chair: ***Gema Trigos Peral***

10:00 What makes a termite queen? Recurring transcriptomic signatures in termites with totipotent workers. ***Silu Lin***

10:15 Effect of unbalanced diets and individual amino acids on the longevity/fecundity trade-off in a clonal ant. ***Lina Pedraza***

Coffee Break

Section chair: ***István Maák Elek***

11:00 Measuring insect flow with AnimalTA's new feature. ***Violette Chiara***

11:15 Can ants learn to be better at recognition? ***Melanie Bey***

11:30 Ants combine object affordance with latent learning to make efficient foraging decisions. ***Laure-Anne Poissonnier***

11:45 Spatial fidelity and uniform exploration in the foraging behavior of a giant predatory ant. ***Priscila Elena Hanisch***

12:00 Comparative choice assays allow simple and high-sensitivity quantification of ant feeding preference. ***Tomer J Czaczkes***

Lunch

Section chair: ***Michaela Hönigsberger***

15:00 Problem-solving through individual cognition in invasive social insects. ***Srikrishna Narasimhan***

15:15 Histone deacetylase 3 silencing activates transposable elements activity in the dry wood termite *Cryptotermes secundus* queens. ***Louis Allan Okwaro***

15:30 The expression of elongases and desaturases shed light on the CHC plasticity of honey bees (*Apis mellifera*). ***Daniel Sebastian Rodríguez León***

Coffee break

16:15–18:00 – General Assembly of the CE section of IUSSI

18:30 – Dinner

POSTER SESSION

Section chair: ***Violette Chiara***

1. Investigating bumblebee foraging decisions with robotic flowers. ***Mélissa Armand***
2. Evolutionary drivers of rescue and wound care behaviour in the termite hunting ant species *Megaponera analis*. ***Vibhuti Bhat***
3. Genetic structure and mating system of the ant *Temnothorax makora*. ***Emil Eichelbrönner***
4. The diseased honey bee colony – distribution of a brood pathogen. ***Sandra Ehrenberg***
5. Sanitary grooming in ants is induced by microbe-specific cues. ***Michaela Hönigsberger***
6. Biophysical and functional consequences of cuticular hydrocarbon variation in ants. ***Selina Huthmacher***
7. Real-time visualization of nest disinfection & its effect on pathogen control in ants. ***Lukas Lindorfer***
8. Effects of sinkhole habitats on the functional and behavioural traits of *Myrmica ruginodis*. ***Bonita Ratkai***
9. Information provision and use in ant pheromone trails. ***Federico Javier Olivera Rodriguez***
10. Does the macronutrient composition affect the survival of the *Myrmica scabrinodis*, Nylander 1846 (Hymenoptera: Formicidae) ants infected with the ectoparasitic fungus *Rickia wasmannii*? ***Ágota Szabó***
11. Revealing a taxonomic mystery: *Reticulitermes* sp (Isoptera: Rhinotermitidae) in Romania. ***Ioan Tăușan***

WEDNESDAY, 20TH OF SEPTEMBER

Postworkshop trip to Rimetea (*please bring hiking boots and clothes*)