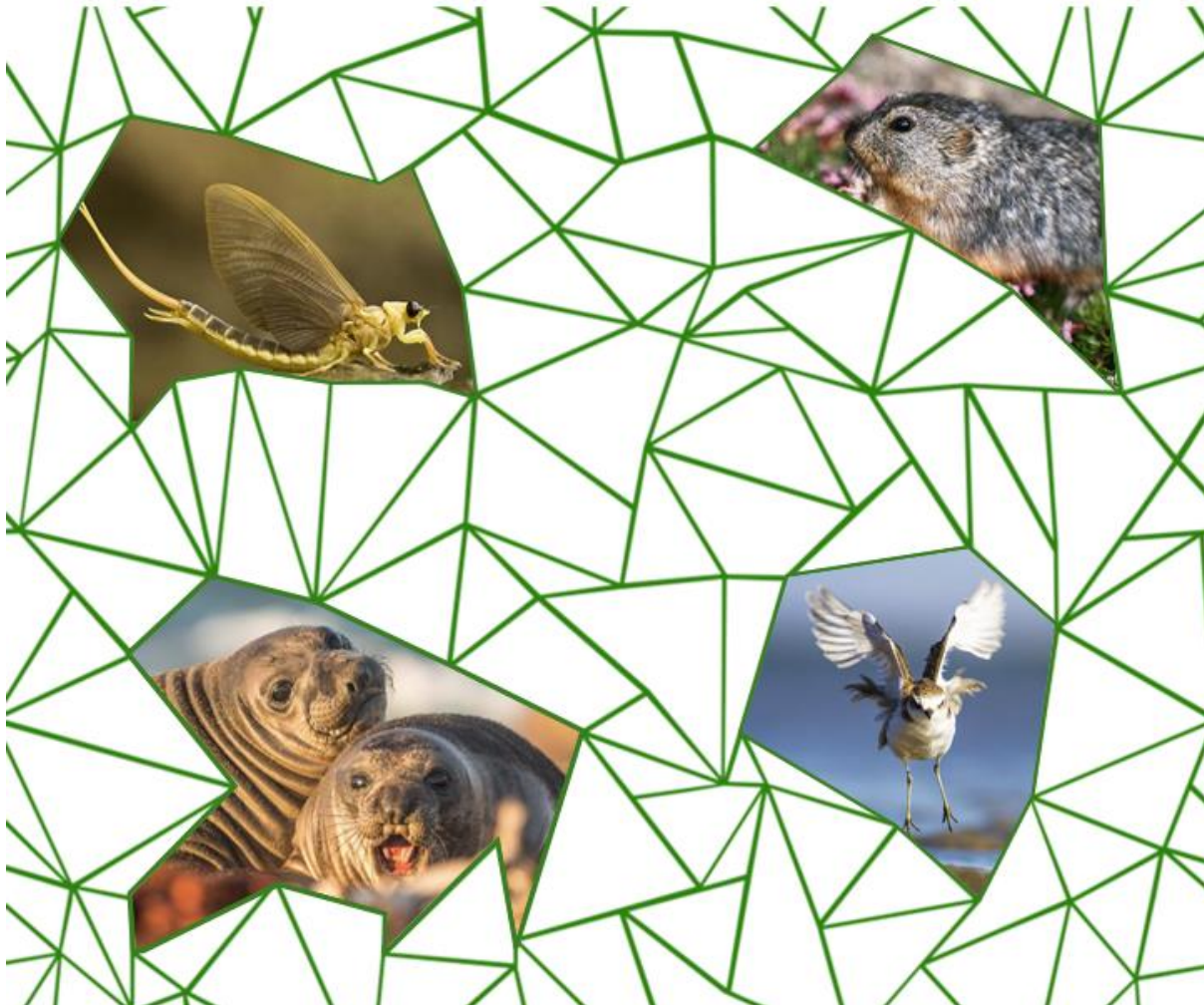


BIODIVERSITY DOCTORAL PROGRAM

PHD STUDENT CONFERENCE
ON EVOLUTION AND BIODIVERSITY

9-11 JANUARY 2025
University of Debrecen
DEBRECEN, HUNGARY



Venue: DAB Building, Thomas Mann utca 49, Debrecen, 4032

Organizers:

Biodiversity Doctoral Programme, Juhász-Nagy Pál Doctoral School, University of Debrecen

**Department of Evolutionary Zoology and Human Biology, Institute of Biology,
Faculty of Science and Technology, University of Debrecen**

**Biodiversity, Climate Change and Water Management Competence Centre,
University of Debrecen**

**Panel of Evolutionary Biology, Academic Committee in Debrecen,
Hungarian Academy of Sciences**

Programme

Thursday 09 January 2025		
time	speaker	title
9:00-10:00	registration	
10:00-10:15	Prof. Tamás Székely	Why do we need evolutionary biology and biodiversity conservation?
10:15-10:25	Dr. Balázs Vági	Why PhD is fun
10:25-11:00	Prof. Zoltán Barta	Using artificial intelligence in conservation biology
11:00-11:40	Prof. Nick Longrich	The charmed life hypothesis: A possible explanation for the Fermi Paradox - <i>online</i>
11:40-12:20	Dr. Narhulan Halimbek	Why bride-kidnapping marriages persist in Kyrgyzstan: insights from social network and behavioural ecology - <i>online</i>
12:20-13:00	Dr. Kees Wanders	Founder effects lead to weak purifying selection in island rails - <i>online</i>
13:00-13:40	Lunch break	
13:40-14:20	Prof. Zoltán Varga	Biodiversity research and conservation in the Pannonian region
14:20-14:40	Boglárka Tóth	Impacts of wetland management and restoration on amphibians in Hortobágy
14:40-15:00	Mátyás Budai	The effect of functional composition of plants on an endangered grassland specialist reptile, the Hungarian meadow viper
15:00-15:20	Csaba Péter Nagy	Bird breeding success in restored and natural grasslands: a meta-analysis
15:20-15:40	Virág Nyíri	Gently down the river—phylogeographic evidence for passive riverine dispersal in the flightless beetle <i>Carabus hungaricus</i> (Carabidae)
15:40-16:00	Coffee break	
16:00-16:40	Dr. Gábor Sramkó	Development of the Eurasian Steppes as mirrored in the evolutionary genetics of grassland-inhabiting genera
16:40-17:00	Sod-Erdene Byambadash	Conservation genomics of Mongolian saiga antelope (<i>Saiga tatarica mongolica</i>)
17:00-17:20	Ahmet Emre Ceylan	Phylogeography of an Eurasian steppe tumbleweed, <i>Crambe tatarica</i> (Brassicaceae)—how did active dispersal shape genetic structure?
17:20-17:40	Nozim Shodiev	From the Middle Asian mountains to the plain steppes—phylogenomics of steppe-inhabiting <i>Adonis</i> sect. <i>Consiligo</i>
17:40-18:00	Josephine Darling	The evolution of gamete size and anisogamy in amphibians

18:30– Social event at Pálma Restaurant (Simonyi út 44, Debrecen 4028)

Friday 10 January 2025		
time	speaker	title
9:00-9:40	Dr. András Kosztolányi	Parental care in a geotrupid beetle
9:40-10:20	Dr. Nikolett Nagy	Genomics studies in the beetle species, <i>Leitrus apterus</i>
10:20-10:40	Ferenc Sándor Kozma	Seasonal effects on gene expression in <i>Leitrus apterus</i>
10:40-11:00	Coffee break	
11:00-11:40	Dr. Béla Kiss	It can be a desert even under water - the distribution of non-indigenous aquatic invertebrate species in Hungary and their impact on the communities of our surface waters.
11:40-12:00	Dr. Szilvia Gőri	Nature conservation, habitat management, restoration and research - examples from the Hortobágy National Park
12:00-12:20	László Nagy	Fish fauna and fish-based ecological assessment of Nagykunság Main Channel based on different sampling protocols and methods
12:20-12:40	Márton Sallai	Impacts of the Kisköre dam on upstream and downstream fish communities
12:40-13:00	Balázs Mátyus	Patterns of occurrence characteristics of riverine dragonflies (Odonata: Gomphidae) in River Tisza
13:00-13:20	Retno Novvitasari Hery Daryono	The effect of adaptation on priority effects between invading and resident bacteria on germ-free Hydra polyps, a study of experimental evolution
13:20-14:00	Lunch break	
14:00-14:40	Dr. Ádám Lendvai	The Bird Paradox – Mechanisms of ageing from an avian perspective
14:40-15:00	Noémi Pallás	Brood sex ratios in European Blackbirds (<i>Turdus merula</i>) across urban and forested environments
15:00-15:20	Iván A. González Andazola	From nest to independence: Natal dispersal patterns and survival of European Blackbird (<i>Turdus merula</i>) fledglings across different habitats
15:20-15:40	Noémi Bujnóczky	The connection between growth, corticosterone and IGF-1 in collared flycatchers
15:40-16:00	István Kovács	Are woodpeckers reliable indicators of forest bird diversity?
16:00-16:20	Coffee break	
16:20-17:00	Dr. Jenő Nagy	The evolution of nest and egg characteristics in birds
17:00-17:20	Oscar G. Miranda	Managing bias: Birth sex ratios in zoo mammals and birds
17:20-17:40	Mihály Gábor Mándi	Brain size evolution reflects the extent of sex-bias in parental care across 2100 vertebrate species
17:40-18:00	Monasadat Hosseini	Sexual size dimorphism in spiders

18:30– Social event at Pálma Restaurant (Simonyi út 44, Debrecen 4028)

Saturday 11 January 2025		
time	speaker	title
9:00-9:40	Dr. Claire Tanner	Seals vs fishers. The reality, the perception and the conservation
9:40-10:20	Prof. Sam Sheppard	Epistasis, core-genome disharmony, and adaptation in recombining bacteria
10:20-11:00	Prof. Robert Freckleton	Measuring and modelling change in biodiversity in the face of uncertainty
11:00-11:20	Coffee break	
11:20-12:00	Dr. Michael Roast	Exploring the spatial-social interface in a resident shorebird population
12:00-12:40	Prof. Brett Sandercock	Evaluating the effects of renewable energy on biodiversity in Norway
12:40-13:00	Karola Szemán	Life table analysis on a big-bodied herbivore population
13:00-13:20	Dr. Pinjia Que	Migration patterns and habitat selection of a threatened alpine breeding shorebird - <i>online</i>
13:20-14:00	Lunch break	
14:00-14:40	Dr. Grant McDonald	Sexual selection: when males are many and males are few
14:40-15:00	Saltanat Saduakas	Habitat shifts of Collared Pratincoles (<i>Glareola pratincola</i>) in Hortobágy National Park - <i>online</i>
15:00-15:20	Agnese Cecchin	Seasonal timing and drivers of incubation duration in the Northern Lapwing
15:20-15:40	Khawla Bouali	Behavioral responses of Kentish Plovers to human disturbances: Insights from field experiments
15:40-16:00	Hela Boughdiri	The role of nest cover in shaping incubation behaviour in a biparental shorebird

18:30– Social event at Pálma Restaurant (Simonyi út 44, Debrecen 4028)