



DSB

CONFERENCE
2024

Venue: Hungarian Research Network-
Research Centre for Natural Sciences

Magyar Tudósok krt. 2
H-1117, Budapest

Scientific Programme

03/12/2024

8:30-8:50 Registration

8:50-9:00 Opening ceremony: László Buday (Director general of Research Centre for Natural Sciences), László Nyitray (head of the Doctoral School of Biology, ELTE)

Keynote Lecture I

9:00-9:30 Tibor Erős: Saving freshwater biodiversity: Sustainable water management and land use design in the Anthropocene (*Fish and Conservation Ecology Group Leader, HUN-REN Balaton Limnological Research Institute*)



Session I

Chair: Balázs Rosivall

9:30-9:45 Csaba Békési: Preliminary assessment of diffuse pollution effects on aquatic macroinvertebrate communities in oxbow lakes

Program: Zootaxonomy, Animal Ecology and Hydrobiology

09:45-10:00 Enkhjin Enkhbileg: Do Bud Scales Only Protect? – Exploring Anatomical Structures, Plastid Differentiation, and Photosynthetic Activity in Horse Chestnut (*Aesculus hippocastanum* L.)

Program: Experimental Plant Biology

10:00-10:15 Levente Zsichla: Molecular epidemiology of the HIV-1 epidemic in Hungary until 2022

Program: Ecology and Evolution

10:15-10:30 Flóra Boglárka Horváth: The different aspects of a reclamation project on dredged mud from lake Balaton

Program: Experimental Plant Biology

10:30-11:00 Coffee break

Session II

Chair: Péter Pongrácz

11:00-11:15 Asami Nakaimuki: Effects of age and brain shape on olfactory resting-state functional connectivity in dogs

Program: Ethology





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11:15-11:30 Noémi Borbély: Whole-Genome Analysis of Medieval Székely People
Program: Genetics

11:30-11:45 Levente Lakatos: In vitro evaluation of viral peptide-based tandemized carrier candidates on spheroid tissue model
Program: Immunology

11:45-12:00 Eszter Geiszelhardt: Functional characterization of human iPSC neurons of Kleefstra syndrome origin
Program: Neuroscience and Human Biology

Flash poster presentations I

Chair: Péter Lőw

12:00-12:10 Introduction of the HBS (Hungarian Biochemical Society) Junior Section.

12:10-13:00 Flash poster presentations.
Each participant gives a 3 minute presentation.

13:00-13:30 Lunch break with group photo

Keynote Lecture II

13:30-14:00 András Málnási-Csizmadia (Zoom): Drug development targeting motor proteins (*ELTE TTK, Biokémiai tanszék and Motorpharma kft.*)



Session III

Chair: Mihály Kovács

14:00-14:15 Nikolett Nagy: Characterization of dUTPase expression in mouse postnatal development and adult neurogenesis
Program: Structural Biochemistry

14:15-14:30 Dorottya Károlyi: The complex role of lipid metabolism in tumor growth
Program: Molecular Cell Biology and Neurobiology

14:30-14:45 Daniel Kimsanaliev: Absence of Caskin1 and Caskin2 scaffold proteins lead to age-dependent alterations in anxiety and repetitive behaviour
Program: Neuroscience and Human Biology





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14:45-15:00 Zsombor Varga: Ichabod: a ventralized maternal-effect phenotype resulted from the destabilization of the maternal *ctnbn2* transcript by an active transposon

Program: Genetics

15:00-15:30 Coffee break

Flash poster presentations II

Chair: Péter Lőw

15:30-15:40 Introduction of MaBE (Magyar Biotechnológus Hallgatók Egyesülete).

15:40-16:30 Flash poster presentations.

Closing ceremony

16:50-17:10 Award ceremony and Concluding remarks

