The Department of Biology, Faculty of Education,
J. Selye University in Komárno, Slovakia
Faculty of Humanities and Natural Sciences, University of Prešov
in Prešov, Slovakia
Academic Council of Hungarians in Slovakia and the
Department of Hungarians Living Abroad of the Hungarian Academy of Sciences, Hungary

invites you to the

Current Trends and Challenges in Biology and Education

International Scientific Conference

Budapest
12–13 November 2026

Place:
Domus Collegium Hungaricum
1146 Budapest,
Abonyi utca 10., Hungary

The Department of Biology, Faculty of Education, J. Selye University in Komárno, Slovakia
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Abonyi utca 10., 1146 Budapest, Hungary

12 November 2026

Place: Domus Collegium Hungaricum (Abonyi utca 10., 1146 Budapest)

10:00 – 11:00 Registration

Workshop

Topic: Innovation of methods and forms of teaching the subject of physiology

*Chair: Prof. MVDr. **Janka Poráčová**, PhD., MBA (University of Prešov, Prešov)*

11:00 – 14:00

Participants:

Prof. MVDr. **Janka Poráčová**, PhD., MBA (University of Prešov, Prešov)
Doc. PaedDr. **Mária Zahatňanská**, PhD., MBA (University of Prešov, Prešov)
Doc. RNDr. **Vincent Sedlák**, PhD. (University of Prešov, Prešov)
Doc. RNDr. **Eva Petrejčíková**, PhD. (University of Prešov, Prešov)
RNDr. **Mária Konečná**, PhD. (University of Prešov, Prešov)
RNDr. **Michaela Zigová**, PhD. (University of Prešov, Prešov)
Mgr. **Andrea Babejová**, PhD. (University of Prešov, Prešov)
Dr. habil. PaedDr. **Melinda Nagy**, PhD. (J. Selye University, Komarno)

14:00 – 18:00 Cultural programme
Museum of Fine Arts in Budapest, Tour of Buda Castle

13 November 2026

Place: Domus Collegium Hungaricum (Abonyi utca 10., 1146 Budapest)

09:45 – 10:00 Registration

10:00 – 10:15 Opening

Speech of President of ACHS, Prof. RNDr. **László Miklós**, DrSc., external member of HAS (SZMAT, Slovakia)

Speech of Dean FHNS UP, Prof. MVDr. **Janka Poráčová**, PhD., MBA. (University of Prešov, Prešov)

Speech of Vice-rector JSU and conference organizer, Dr. habil. PaedDr. **Melinda Nagy**, PhD. (J. Selye University, Komarno)

Session 1 – Biology, Genetics, Health and Environment

*Chair: Ing. **Iveta Szenczióvá**, PhD. (J. Selye University, Komárno)*

10:15–10:25 Dr. habil. **Gábor Tóth**, PhD. (ELTE Savaria University Centre, Szombathely)
The Anthropology of the Danubian Lowland: Data Reporting or Something More?

10:25–10:35 Doc. RNDr. **Ján Radvánszky**, PhD. (Biomedical Research Center SAS, Bratislava)
Whole genome sequencing results of 1000 individuals from the population of Slovakia

10:35–10:45 Doc. RNDr. **Eva Petrejčíková**, PhD. (University of Prešov, Prešov) and RNDr. **Jana Gaľová**, PhD. (University of Prešov, Prešov)
Metabolic and Nutritional Disorders in the Archaeological Skeletal Record

10:45–10:55 RNDr. **Michaela Zigová**, PhD. (University of Prešov, Prešov)
Beyond the Gene: 4q25 Genetic Variation and the Phenotype of Atrial Fibrillation

10:55–11:05 Mgr. **Andrea Babejová**, PhD. (University of Prešov, Prešov) and Doc. RNDr. **Vincent Sedlák**, PhD. (University of Prešov, Prešov)
Red Deer (Cervus elaphus) as a Bioindicator of Environmental Quality in Relation to Blood Biochemical Parameters and Heavy Metal Concentrations

11:05 – 11:15 Discussion

11:15 – 11:30 Coffee break

11:30–11:40 RNDr. **Mária Konečná**, PhD. (University of Prešov, Prešov)
Gynecological Care and Health Education for Adolescent Girls

11:40–11:50 Dr. **Irene Polin**, PhD. (Ferenc Rakoczi II Transcarpathian Hungarian University, Berehovo)
Studies of Adaptation and Cultivation Techniques of Medicinal and Aromatic Plants in the Lowland Areas of Transcarpathia

11:50–12:00 Ing. **Iveta Szenczióvá**, PhD. (J. Selye University, Komarno)
Sustainable Agriculture: Environmental Impacts and Responsible Approaches

12:00–12:10 RNDr. **Štefan Balla**, PhD. (J. Selye University, Komarno)
Assessment of General Body Composition in Hungarian Children in Komarno

12:10–12:20 Dr. habil. PaedDr. **Melinda Nagy**, PhD. (J. Selye University, Komarno)
Anthropogenic Landscapes: White Mulberry (Morus alba) Planting and Silk Production in the Komarno Region

12:20–12:30 Mgr. **Alina Komiati** (University of Prešov, Prešov)
Genetic and Biochemical Factors in Male Infertility, with a Focus on MTHFR Gene Polymorphism

12:30 – 12:45 Discussion

12:45 – 15:15 Lunch break

Session 2 – Biology Education and Educational Research
*Chair: RNDr. **Štefan Balla**, PhD. (J. Selye University, Komárno)*

15:15–15:25 Prof. MVDr. **Janka Poráčová**, PhD., MBA (University of Prešov, Prešov)
Innovative Methods and Forms of Teaching Animal and Human Physiology in Higher Education

15:25–15:35 Doc. PaedDr. **Mária Zahatňanská**, PhD., MBA (University of Prešov, Prešov)
Analysis of Educational Values

15:35–15:45 Dr. **Erzsébet Kohut**, PhD. (Ferenc Rakoczi II Transcarpathian Hungarian University, Berehovo)
Experience, Experiential Learning, and Attitude Formation: Educational Practices at the Transcarpathian Nature Study Camp over 25 Years

15:45–15:55 PhDr. **Karel Vojíř**, Ph.D. (Charles University, Praha)
Argumentation Skills in the Context of Scientific Literacy: Assessing Environmental Issues

15:55–16:05 PhDr. **Filip Hašpl** (Charles University, Praha), PhDr. **Karel Vojíř**, Ph.D. (Charles University, Praha)
The Phenomenon of Scientific Observation in Biology: What Eye-Tracking Reveals

16:05–16:15 Dr. **Rita Horák**, PhD. (University of Novi Sad, Subotica)
Environmental Attitudes among Pre-service Teacher and Preschool Teacher Students

16:15 – 16:25 Discussion
16:25 – 16:45 Coffee break

16:45–16:55 Dr. habil. **Sarolta Zsuzsanna Mészárosné Darvay**, PhD. (J. Selye University, Komarno)
Implementation of Comprehensive School Health Promotion: Results of a Questionnaire Survey

16:55–17:05 PaedDr. **Daniel Dancsa** (J. Selye University, Komarno)
Investigating the Effects of Virtual Arthropod Models on Attitudes

17:05–17:15 Mgr. **Zsófia Kocsis**, PhD. (J. Selye University, Komarno)
The Role of the Family Day in Building an Inclusive School Community

17:15–17:25 Mgr. **Kinga Feketeová** (J. Selye University, Komarno)
The State of School-Based Education on Crops and Livestock: Perspectives from Farmers in Southwestern and Eastern Slovakia

17:25–17:35 Mgr. **Adrián Žemlička** (J. Selye University, Komarno)
Examining Media Representations of Cloning: International Research Background and a Proposed Hungarian-Slovak Comparative Analysis

17:35–17:45 Mgr. **Ema Liptáková** (University of Prešov, Prešov)
Comparison of Dietary Habits among Pupils with Different Levels of Physical Activity

17:45 – 18:00 Discussion

18:00 Closing ceremony

Scientific Committee

Prof. RNDr. László Miklós, DrSc., external member of HAS – ARMS (Slovakia)
Prof. MVDr. Janka Poráčová, PhD. MBA – University of Prešov (Slovakia)
Dr. habil. Rita Bodáné-Kendrovics PhD. – OE, Budapest (Hungary)
Dr. Ágnes Sántha, PhD. – SEMT, Targu Mures (Romania)
Doc. PaedDr. Mária Zahatňanská, PhD. – University of Prešov (Slovakia)
Doc. RNDr. Marta Mydlárová Blaščáková, PhD. – University of Prešov (Slovakia)
Dr. habil. Sarolta Zsuzsanna Mészárosné Darvay, PhD. – J. Selye University, Komárno (Slovakia)
Dr. Renata Erdei, Jávorné, PhD. – ETK DE, Nyíregyháza (Hungary)
Doc. RNDr. Renáta Bernátová, PhD. – University of Prešov (Slovakia)
Dr. habil. Gábor Tóth, PhD. – ELTE Savaria University Centre, Szombathely (Hungary)
Dr. Erzsébet Kohut, PhD. – IIRFKME, Berehovo (Ukraine)
Dr. Irene Polin, PhD. – IIRFKME, Berehovo (Ukraine)
Doc. RNDr. Ján Radvánszky, PhD. SAV, Bratislava (Slovakia)
Doc. RNDr. Vincent Sedlák, PhD. – University of Prešov (Slovakia)
Dr. Rita Horák, PhD. – ÚE, Subotica (Serbia)
PhDr. Karel Vojíř, Ph.D. – KU, Praha (Czechia)
RNDr. Mária Konečná, PhD. – University of Prešov (Slovakia)
Dr. habil. PaedDr. Melinda Nagy, PhD. – J. Selye University, Komárno (Slovakia)

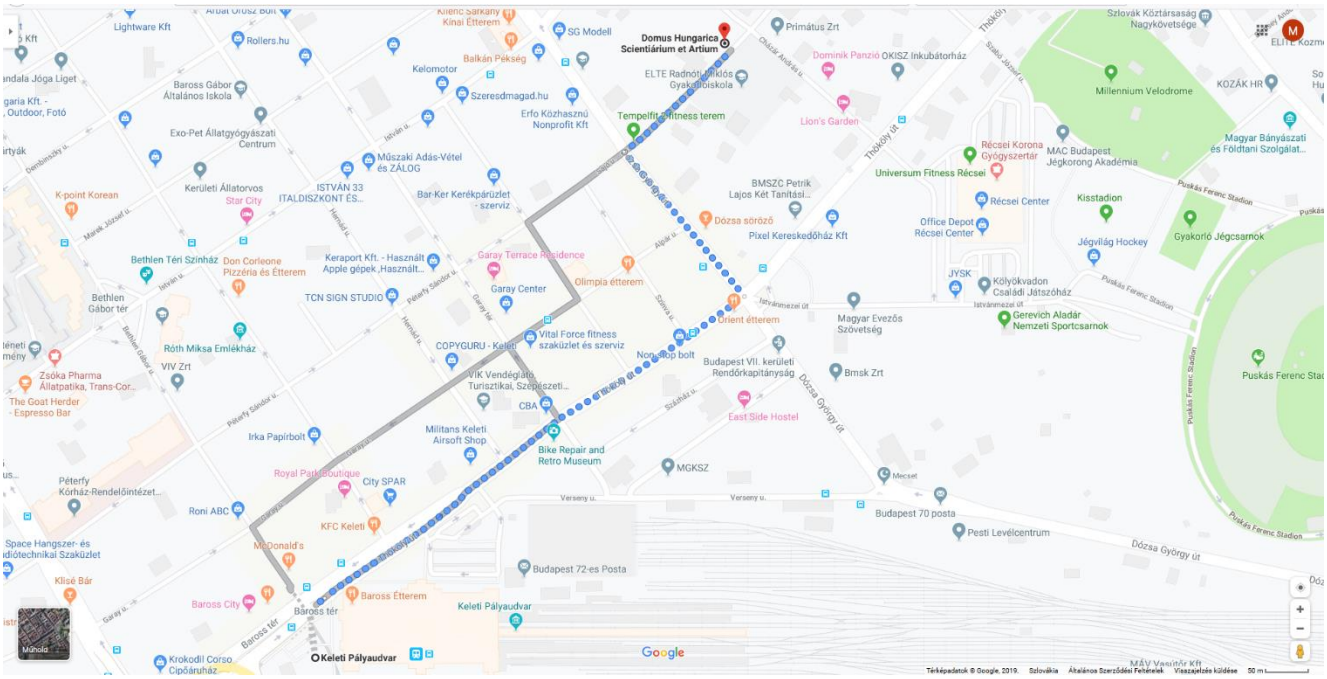
Organizing Committee

PaedDr. Melinda Nagy, PhD. – UJS, Komárno (Slovakia)
Tünde Morvai, PhD. – MTA HTMT, Budapest (Hungary)
Ing. Iveta Szencziová, PhD. – UJS, Komárno (Slovakia)
Ing. Bucseková Ildikó – UJS, Komárno (Slovakia)
Mgr. Zsófia Kocsis – UJS, Komárno (Slovakia)
RNDr. Štefan Balla, PhD. – UJS, Komárno (Slovakia)
PaedDr. Daniel Dancsa – UJS, Komárno (Slovakia)
Mgr. Kinga Feketeová – UJS, Komárno (Slovakia)
Mgr. Adrián Žemlička– UJS, Komárno (Slovakia)

Contact address of organizers

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Language: The presentation language is Hungarian, Slovak or English.



(Conference venue is on the map marked with a red balloon)

Transportation

Trains and buses in Slovakia: https://cp.sk/
Buses in Hungary (MÁV Group): https://www.mavcsoport.hu/
Trains in Hungary – MÁV: https://jegy.mav.hu/
Public transportation in Budapest: https://bkk.hu/en/