

May 21, 2025.

**9:00 a.m. Opening of the MATE Student Research Conference at Szent István Campus  
venue: MATE Knowledge Transfer Centre, ground floor Auditorium No. 9.**

Following the opening, the Biotechnology session will take place in the Library of the  
Institute of Genetics and Biotechnology (*Genetika és Biotechnológia Intézet, Könyvtár*).

### **Biotechnology Session**

#### Committee:

Chair: **Dr. Lilla Bodrogi**, senior research fellow, MATE Institute of Genetics and  
Biotechnology, Department of Animal Biotechnology

Members:

**Dr. László Hiripi**, scientific advisor, MATE Institute of Genetics and  
Biotechnology, Department of Animal Biotechnology

**Dr. Orsolya Ivett Hoffmann**, senior research fellow, MATE Institute of Genetics  
and Biotechnology, Department of Animal Biotechnology

Member and secretary: **Arnold Tóth**, PhD student, MATE Institute of Genetics and  
Biotechnology, Department of Animal Biotechnology

Student member: **Livia László**, PhD student, MATE Institute of Genetics and Biotechnology,  
Department of Microbiology and Applied Biotechnology

#### Student presentations:

**TIAR SARA** Agricultural Biotechnology, MSc (Szent István Campus)

Title: **Investigation of Viromes of Crops and Weeds Using High Throughput Sequencing  
Based Metagenomics Approaches**

Supervisors: **Dr. Éva Várallyay**, scientific advisor, MATE Institute of Plant Protection  
**Zsuzsanna Nagyné Dr. Galbács**, research fellow, MATE Institute of Plant  
Protection

**AARON DE JESUS BRIONES DELGADO** Agricultural Biotechnology, MSc (Szent István Campus)

Title: **Effect of post-harvest diseases on purple and anthocyanin-less pepper breeding lines**

Supervisor: **Dr. Zsófia Kovács**, senior lecturer, MATE Institute of Genetics and  
Biotechnology, Department of Genomics and Genetics

**ADAM HUSSAMALDIN** Agricultural Biotechnology, MSc (Szent István Campus)

Title: **The effect of microdroplet culture following embryonic genome activation on  
embryo development**

Supervisors: **Dr. Szilárd Bodó**, scientific advisor, MATE Institute of Animal Sciences,  
Department of Precision Livestock Farming and Animal Biotechnics  
**Katalin Nagy**, research assistant, MATE Institute of Animal Sciences,  
Department of Precision Livestock Farming and Animal Biotechnics

**REGINA BENDA** Animal Husbandry Engineering, MSc (Szent István Campus)

Title: **The effects of mycotoxin treatment on rabbit fibroblast cells**

Supervisor: **Martin Urbán**, research assistant, MATE Institute of Animal Sciences,  
Department of Precision Livestock Farming and Animal Biotechnics

**BOSNYÁK BOGLÁRKA LILLA** Agricultural engineer, MSc, (Szent István Campus)

Title: **Csemegeszőlő fajták molekuláris vizsgálata**

Supervisor: **Dr. Andrea Kitti Tóth-Lencsés**, senior lecturer, MATE Institute of Genetics and  
Biotechnology, Department of Genomics and Genetics

**BRIAN JOSUE LEMUS** Agricultural Biotechnology, MSc (Szent István Campus)

Title: **Assessment of Essential Compounds in In vitro micropropagated Origanum Plants**

Supervisor: **Bánk Pápai**, assistant lecturer, MATE Institute of Genetics and Biotechnology,  
Department of Genetics and Genomics

### **Coffee break**

**DELGADO QUIÑONEZ GUSTAVO HARRISON** Agricultural Biotechnology, MSc (Szent István Campus)

Title: **Effect of the in vitro maturation conditions on oocyte competence**

Supervisors: **Dr. Szilárd Bodó**, scientific advisor, MATE Institute of Animal Sciences/  
Department of Precision Livestock Farming and Animal Biotechnics  
**Katalin Nagy**, research assistant, MATE Institute of Animal Sciences/  
Department of Precision Livestock Farming and Animal Biotechnics  
**Alexandra Tokár**, research assistant, MATE Institute of Animal Sciences/  
Department of Precision Livestock Farming and Animal Biotechnics

**PAPILIYANAGE RUMESHIKA MUTHUMALI PERERA** Environmental Engineering, MSc (Szent István Campus)

Title: **Impact of Ivermectin on Free-Living Soil Nematodes**

Supervisors: **Dr. Péter István Nagy**, professor, MATE Institute of Wildlife Management and  
Nature Conservation, Department of Zoology and Ecology  
**Dr. Anikó Seres**, senior lecturer, MATE Institute of Wildlife Management and  
Nature Conservation, Department of Zoology and Ecology

**PANITNOK NUNAPAT** Agricultural Biotechnology, MSc (Szent István Campus)

Title: **Functional analysis of MtN22 by gene editing in Medicago truncatula**

Supervisor: **Dr. Ágota Domonkos**, senior research fellow, MATE Institute of Genetics and  
Biotechnology, Department of Microbiology and Applied Biotechnology

**SUKAI NJIE** Agricultural Biotechnology, MSc (Szent István Campus)

Title: **Effects of different storage conditions on purple and anthocyanin-less peppers**

Supervisor: **Dr. Zsófia Kovács**, senior lecturer, MATE Institute of Genetics and  
Biotechnology, Department of Genetics and Genomics

**SYLTANIA LUCIELLE RAZAFIHARIMANANA** Agricultural Biotechnology, MSc (Szent István Campus)

Title: **Evaluation of organic nitrogen form of apricot cultivars with different level of frost tolerance during the dormant period**

Supervisor: **Janka Bedő**, assistant lecturer, MATE Institute of Genetics and Biotechnology,  
Department of Plant Biotechnology

**VASAS DOMINIKA** Agricultural Biotechnology MSc (Szent István campus)

Title: **Szomatikus embriógenézis indukcióra irányuló kísérletek zöldségnövényekkel, mesterséges meg előállításának céljából**

Supervisors: **Dr. Andrea Kitty Tóth-Lencsés**, senior lecturer, MATE Institute of Genetics and Biotechnology, Department of Genomics and Genetics

**Dr. Zsolt Galli**, plant breeder, Syngenta Magyarország Kft., Ócsa

**Announcement of the results** will be given after the last presentation.

**We are looking forward to seeing you at the conference!**

The programme is free of charge, open to everyone and registration is not needed.  
Audio and video recordings may be made at the event, which will be made public according to institutional practice.

Other sections of the conference can be found here:

[Tudományos Diákkör](#)