

SCIENTIFIC PROGRAM of the Winter School
5th February 2026, Dolná Strehová, Slovak Republic

„Animal Biotechnology 2026“

Topic: Animal Biotechnology: Present and Future

8.00 – 8.45 **Registration**

8.45 – 9.00 **Opening ceremony**

9.00 – 10.00 **Invited speakers (25 min/person)**

Chairmen: **Peter Chrenek**

9.00 – 9.30 **Anne NAVARRETE SANTOS**
Martin Luther University Halle-Wittenberg, GERMANY
Animal Models in Reproductive Medicine: Biotechnological Tools and Future Applications

9.30 – 10.00 **Monika BUGNO-PONIEWIERSKA**
University of Agriculture im. Hugona Kollątaja in Krakow, POLAND
Genetics in animal reproduction - why it is worth studying DNA

10.00 – 10.30 **Coffee break**

10.30 – 11.30 **Session I. Interreg (15 min/person)**

Chairmen: **Alexander Makarevich**

10.30 – 10.45 **Barbara VÉGI**
The National Centre for Biodiversity and Gene Conversation, HUNGARY
Slovak - Hungarian Interreg Project: trough Hungarian partner's eyes

10.45 – 11.00 **Jaromír VAŠÍČEK**
Slovak University of Agriculture in Nitra, SLOVAKIA
NPPC Research Institute for Animal Production, Nitra, SLOVAKIA
Enrichment of ovine bone marrow CD271⁺ cells for establishment of mesenchymal stem cell culture

11.00 – 11.15 **Jehan NAYGA**
The National Centre for Biodiversity and Gene Conversation, HUNGARY
Cryobanking of primordial germ cell lines for conservation of the Slovak indigenous Oravka chicken breed

11.15 – 11.30 **Francesco VIZZARI**
NPPC Research Institute for Animal Production, Nitra, SLOVAKIA
Health monitoring in southwestern Slovakia focus on the European brown hare (*Lepus europaeus*)

11.30 – 11.45 **Coffee break**

11.45 – 12.45 **Session II. Multidisciplinary I (15 min/person)**

Chairmen: **Dušan Fabian**

11.45 – 12.00 **Lucia URBANOVÁ – Filip BENKO**
Slovak University of Agriculture in Nitra, SLOVAKIA
MicroRNA Extraction from Native and Cryopreserved Bovine Ejaculate: A Comparison of Two Extraction Approaches

12.00 – 12.15 **Alexander MAKAREVICH**
NPPC Research Institute for Animal Production, Nitra, SLOVAKIA
Antioxidant defence against the oxidative process in bovine oocytes following vitrification

12.15 – 12.30 **Sara ATA EI-NAZARI**
Slovak University of Agriculture in Nitra, SLOVAKIA
Bovine semen post-thaw bacterial contamination affected by type of extender and freezing method

12.30 – 12.45 **Michal BENC**
Constantine the Philosopher University in Nitra, SLOVAKIA
Using targeted inhibition of HDACs to optimise *in vitro* embryo development

12.45 – 14.00 **Photo and Lunch**

14.00 – 14.45 **Session III. Multidisciplinary II (15 min/person)**

Chairmen: **Jaromír Vašíček**

14.00 – 14.15 **Miroslava POŽGAJOVÁ**
AgroBioTech Research Centre, SUA in Nitra, SLOVAKIA
TORC2 signalling as a target of acrylamide-mediated cellular stress

14.15 – 14.30 **Eva ŠEBOVÁ**
Institute of Experimental Medicine, Czech Academy of Sciences, CZECHIA

An *in vitro* co-culture model of bone healing on calcium phosphate cements

14.30 – 14.45 **Hossein ZAKARIAPOUR BAHNAMIRI**
AgroBioTech Research Centre, SUA in Nitra, SLOVAKIA
Morphological changes in unicellular fission yeast, *Schizosaccharomyces pombe*, induced by aluminium toxicity

14.45 – 15.00 **Coffee break**

15.00 – 17.00 **Poster session – oral presentation (5 min/person)**

Chairmen: **Jaromír Vašíček**

19.00 – 00.00 **Social evening**
