

Scientific program of the Animal Biotechnology 2015

Nitra, December 10th, 2015

8.30-9.30 Registration, coffee

9.30-10.00 Opening

Chrenek, P. (Mihina, Š., Slamečka, J.), National Agricultural and Food Centre, Research Institute for Animal Production Nitra, Slovak Republic; Slovak University of Agriculture in Nitra, Slovak Republic

10.00–11.45 Plenary session - Invited speakers

Chairman: Chrenek, P.

Relationship between the occurrence of apoptosis and disorders in preimplantation embryo environment. A review

Fabian, D., Slovak Academy of Sciences, Košice, Slovak Republic

SIRT1 as a key factor for histone code establishment in early embryo: a perspective for assisted reproduction. A review

Nevorál, J., Czech University of Life Sciences in Prague, Czech Republic

Bovine oocyte in vitro maturation and cryopreservation: mirage or reality

Papis, K., Polish Academy of Sciences, Poland

11.45 – 12.00 Coffee break

Several aspects of the research on bovine preimplantation embryos at the Research Institute of Animal Production (RIAP) in Nitra

Makarevich, A., NAFC - Research Institute for Animal Production Nitra, Slovak Republic

Zygote manipulation in rabbit: renaissance of an old technique

Hiripi, L., Agricultural Biotechnology Center, Gödöllő, Hungary

QX200 droplet digital PCR System: Introduction and Applications

Afif Abdel Nour, Bio-Rad Laboratories

13.00-14.00 Lunch

14.00-15.30 Section I - Embryo and sperm manipulation

Chairman: Fabian, D., Makarevich, A.

Polymorphism of Bola-DRB3 gene and its association with spontaneous embryonic loss after in vitro fertilization in Holstein-Friesian cattle

Kulaj, D., University of Agriculture, Krakow, Poland

Nucleogenesis in early embryos

Strejček, F., Constantine the Philosopher University, Nitra, Slovakia

Effect of amygdalin and apricot kernels on developmental rate and quality of rabbit embryos

Kolesárová, A., Slovak University of Agriculture in Nitra, Slovak Republic

Adiponectin may play a complementary role to insulin in stimulated glucose uptake in mouse blastocyst

Burkuš, J., Slovak Academy of Science, Košice, Slovak Republic

Effect of cryostorage period on fertilizing ability of Pinzgau bull semen in vitro

Olexiková, L., NAFC - Research Institute for Animal Production Nitra, Slovak Republic

How S3e Cell Sorter simplifies the Science of Sorting

Carole Astruc, Bio-Rad Laboratories

15.30-15.45 Coffee break

15.45-17.00 Section II - Young researches

Chairman: Chrenek, P., Capcarová, M.

Dietary effect of Lippia citriodora extract on semen quality characteristics in male hares (Lepus europaeus Pallas, 1778)

Vizzarri, F., University of Molise, Campobasso, Italy

Evaluation of Pinzgau bull sperm following liquid-nitrogen long-term storage

Špaleková, E., NAFC - Research Institute for Animal Production Nitra, Slovak Republic

Characterization of macrophages in rabbit semen

Kuželová, L., Slovak University of Agriculture in Nitra, Slovak Republic

Yucca schidigera plant extract negatively affects rabbit embryo development in vitro

Földešiová, M., Slovak University of Agriculture in Nitra, Slovak Republic

Effect of selected plants on rabbit ovarian functions

Štochal'ová, A., Constantine the Philosopher University, Slovak republic

Viability of rabbit mesenchymal stem cells during early passaging

Kováč, M., Slovak University of Agriculture in Nitra, Slovak Republic

Closing ceremony

Chrenek, P., Research Institute for Animal Production Nitra, Slovak Republic

17.00-18.00 Poster presentations

18.00-22.00 Reception

Posters

1. ***Reaction pattern of monoclonal antibody IVA-50 (CD9) during capacitation of bull sperm***
Antalíková, J., Slovak Academy of Sciences, Ivanka pri Dunaji, Slovak Republic
2. ***Use of mutant lox66 and lox71 sites to target transgene integration at a pre-characterized genomic locus***
Bauer, M., NAFC - Research Institute for Animal Production Nitra, Slovak Republic
3. ***The effect of an antlerogenic stem cells on the quality of cryopreserved boar semen***
Bielas, W., Wroclaw University of Environmental and Life Sciences, Poland
4. ***Mycotoxins as epigenetic factor***
Bovdisova, I., Slovak University of Agriculture in Nitra, Slovakia
5. ***Embryo transfer and endangered breeds***
Capcarova, M., Slovak University of Agriculture in Nitra, Slovak Republic
6. ***Morphological changes of mitochondrial-ER association during in vitro fertilization of bovine oocytes***
Ctvrtlikova, D., Veterinary Research Institute, Brno, Czech Republic
7. ***Expression of adrenergic receptor transcripts in mouse embryonic stem cells and preimplantation embryos***
Čikoš, Š., Slovak Academy of Science, Košice, Slovak Republic
8. ***Conservation of animal genetic resources in the Republic of Serbia***
Dragin, S., University of Novi Sad, Serbia
9. ***The reproduction and growth characteristic of Oravka breed***
Hanusová, E., NAFC - Research Institute for Animal Production Nitra, Slovak Republic
10. ***Molecular screening for SINE insertion in the MITF gene in dogs***
Jakabová, D., Vetgene/Medgene s.r.o., Bratislava
11. ***Changes in the reaction pattern of monoclonal antibody IVA-50 (CD9) on bull sperm after acrosome reaction***
Jankovičová, J., Slovak Academy of Sciences, Ivanka pri Dunaji, Slovak Republic
12. ***The role of adipose tissue in metabolism***
Kalafova, A., Slovak University of Agriculture in Nitra, Slovak Republic
13. ***Changes in lipid parameters of rabbit's blood following application of patulin***

Kisska, P., Slovak University of Agriculture in Nitra, Slovak Republic

14. *Quantification of bovine genes involved in lipid metabolism using real-time RT-PCR*

Kyselová, L., Institute of Animal Science, Czech Republic

15. *The effect of crossing Tsigai ewes and improved Valachian with Lacaune ewes on milkability*

Mačuhová, L., NAFC - Research Institute for Animal Production Nitra, Slovak Republic

16. *Capacitation-induced bull sperm protein changes detected by set of monoclonal antibodies*

Michalková, K., Institute of Animal Biochemistry and Genetics, Slovak Academy of Sciences, Ivanka pri Dunaji, Slovak Republic

17. *TLR4 gene polymorphism preserved in two cattle breeds of genetic resources*

Novák, K., Institute of Animal Science, Czech Republic

18. *Impact of punicalagin and FSH on porcine ovarian granulosa cells in vitro*

Packová, D., Slovak University of Agriculture in Nitra, Slovak Republic

19. *Effects of the HPA lectin on rabbit sperm capacitation*

Parkányi, V., NAFC - Research Institute for Animal Production Nitra, Slovak Republic

20. *Influence of polymorphism G.9476869G>A in myeloperoxidase (MPO) gene on the antioxidant activity in milk of Polish Holstein-Friesian cow*

Pokorska, J., University of Agriculture, Krakow, Poland

21. *Contamination of flushing medium by stenotrophomonas maltophilia affects the quality of sheep embryos*

Pošiváková, T., University of Presov, Slovak Republic

22. *Presence of integrin molecule CD18 in the cattle reproductive system*

Simon, M., Slovak Academy of Sciences, Ivanka pri Dunaji, Slovak Republic

23. *Immunophenotyping of the rabbit adult stem cells*

Vašíček, J., NAFC - Research Institute for Animal Production Nitra and Research Center AgroBioTech, Slovak University of Agriculture, Nitra, Slovak Republic