

SCIENTIFIC PROGRAM

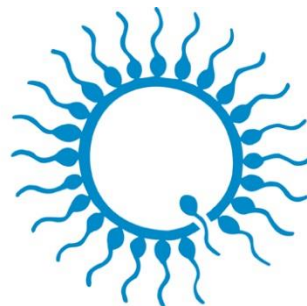
of the I. Winter School „Animal Biotechnology 2020“, Nitra, February 6th

- 8.00 – 9.15** **Registration**
- 9.15 – 9.30** **Opening ceremony**, Peter Chrenek
- 9.30 – 13.00** **Plenary session**
Chairmen: Dušan Fabian and Adriana Kolesárová
- 9.30 – 10.00** **Jan Motlík**
The Czech Academy of Sciences, Institute of Animal Physiology and Genetics. Libechov, Czech Republic
"Unique Role of the Large Animal Models in Biomedical Research"
- 10.00 - 10.30** **Barbara Kessler**
Gene Center and Department of Biochemistry, Molecular Animal Breeding and Biotechnology Ludwig-Maximilians-Universität München, Germany
„Genetically tailored pigs as disease models and organ donors for xenotransplantation“
- 10.30 - 11.00** **Coffee break**
- 11.00 - 11.30** **Jolanta Opiela**
National Research Institute of Animal Production, Department of Reproductive Biotechnology and Cryoconservation, Balice, Poland
“Application of porcine mesenchymal stem cells to biotechnological research”
- 11.30 - 12.00** **Andras Dinneys**
BioTalentum Ltd., Godollo, Hungary
„Progress in regenerative medicine using biotechnological methods for porcine islet and human beta-cell generation to treat Type-1 diabetes“

- 12.00 - 12.30** **Marcela Capcarová**
Slovak University of Agriculture, Faculty of Biotechnology and Food Science, Nitra, Slovak Republic
„The use of Zucker diabetic fatty rats as animal model in diabetes research“
- 12.30 - 13.00** **Jozef Laurinčík**
Constantine the Philosopher University, Faculty of Nature Science, Nitra, Slovak Republic
„Can we improve the quality of the oocytes with help of nucleolotransfer?“
- 13.00 - 14.30** **Photo and Lunch (Anton Bernolak canteen)**
- 14.30 - 15.45** **Section I.**
Chairmen: Alexander Makarevich and Marcela Capcarova
- 14.30 - 14.45** **Jiří Bezdíček**
Palacky University of Olomouc, Czech Republic
„Inbreeding effects on animal health“
- 14.45 - 15.00** **András Gáspárdy**
University of Veterinary Medicine, Hungary
„Experience on artificial insemination with frozen semen“
- 15.00 - 15.15** **Viera Schwarzbacherová**
University of Veterinary Medicine and Pharmacy in Košice, Slovak Republic
“Impact of short-time insecticide exposure at bovine cell cultures *in vitro*”
- 15.15 - 15.30** **Michal Kaliňák**
Slovak University of Technology, Slovakia
“The use of NMR spectroscopy in animal metabolomics”
- 15.30 - 15.45** **Tomáš Jambor**
Slovak University of Agriculture, Nitra, Slovak Republic
“Leydig cells as a suitable model for toxicological research”

- 15.45 – 16.15** **Coffee break**
- 16.15 – 17.15** **Section II. - PhD. students**
Chairman: Miroslav Bauer
- 16.15 – 16.25** **Mária Tomková**
Slovak University of Agriculture, Nitra, Slovak Republic
„Behavior of rabbit adipose tissue-derived stem cells on nanofibrous cellulose coatings“
- 16.25 – 16.35** **Linda Dujíčková**
NPPC, Research Institute for Animal Production, Lužianky, Slovak Republic
“Difference in quality between day 7 and day 8 in vitro produced blastocysts obtained from bovine vitrified oocytes”
- 16.35 – 16.45** **Simona Baldovská**
Slovak University of Agriculture, Nitra, Slovak Republic
„Anti-cancer potential of pomegranate extract on human ovarian cells in vitro“
- 16.45 – 16.55** **Filip Tirpák**
Slovak University of Agriculture, Nitra, Slovak Republic
“Missense mutation in EML5 gene affects bovine fertility”
- 16.55 - 17.05** **Rudolf Dupák**
Slovak University of Agriculture, Nitra, Slovak Republic
“The effect of Cornelian cherry on antioxidant activity in ZDF rats”
- 17.05 - 17.15** **Michal Ďuračka**
Slovak University of Agriculture, Nitra, Slovak Republic
“Boar sperm DNA damage as a consequence of reactive oxygen species and restriction enzymes
- 17.15 - 18.00** **Poster session**
- 18.00 - 23.00** **Reception** (Anton Bernolak canteen)

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ALOQUENCE
SCIENCE

POSTERS

- The impact of bee bread on bone microstructure in Zucker diabetic fatty rats receiving high energy diet***
Babosova, R., Strakova, N., Omelka R., Kalafova A., Capcarova M., Martiniakova M.
- Quantative evaluation of selected genes expression in vital stained in porcine oocytes***
Bartkova, A, Nemcova, L., Strejcek, F., Gad, A., Morovic, M., Murin, M., Benc, M, Prochazka, R., Laurincik, J.
- Isolation and detection of extracellular vesicles from bull reproductive fluids – experimental design***
Bartóková, M., Sečová, P., Horovská, Ľ., Antalíková, J., Jankovičová J.
- In vitro antioxidant activity of kaempferol and naringenin on rooster spermatozoa***
Benko, F., Lukáč, N., Kollárová, J., Tvrda E.
- Cryopreservation of ram semen from autohtonous breeds as a method of preserving biodiversity***
Dragin, S., Grba, J., Kulíková, B., Spiridonović, S., Pihler, I., Stančić, I.
- Plant origin feed additives affects the performance of non-ruminants: a mini review***
Gálik, B., Bíro, D., Rolinec, M., Juráček, M., Šimko, M., Hanušovský, O., Kolláthová, R., Brek, P.
- Japanese quail - a model animal in biological experiments***
Hanusová, E., Hrnčár, C., Hanus, A., Huba, A.
- Study of time intervals of egg formation and their effect on some egg parameters of Bantam Oravka***
Hrnčár, C., Mindek, S.
- Comparison of technological meat quality by Mangalitsa and Large White breeds***
Imrich, I., Mlyneková, E., Mlynek, J.
- Activity of liver enzymes of Japanese quail (Coturnix coturnix japonica) after consumption of bee bread***
Kalafova, A., Hanusova, E., Hrnkar, C., Schwarzova, M., Hascik, P., Schneidgenova, M., Dupak, R., Capcarova, M.
- Beneficial effects of resveratrol and quercetin on the viability and superoxide profile of rooster spermatozoa***
Kováč, J., Kollárová, J., Halenár, M., Tvrda, E.
- Association between redox status markers and fish (Cyprinus carpio) spermatozoa motility***
Kovacik, A., Tirpak, F., Tvrda, E., Jambor, T., Massanyi, P.
- Different methods of cytoplasmic membrane staining in mouse blastocyst***

Pisko, J., Kovaříková, V., Fabian, D.

14. *The effect of breed on milkability of sheep bred in Slovakia*

Mačuhová, L., Tančin, V., Uhrinčať, M., Mačuhová, J.

15. *In vitro effect of capsaicin on the regulation of transforming growth factor- β 2 in human ovarian cells*

Maruniaková, N., Baldovská, S., Vietoris, V., Kolesárová, A.

16. *The effect of dams' parity on milk yield, birth and weaning weight of their daughters*

Miklas, S., Tancin, V., Uhrincat, M., Macuhova, L., Oravcova, M.

17. *Influence of zinc chloride on the spermatozoa motility of turkey in in vitro conditions*

Miškeje, M., Bača, M., Slanina, T.

18. *Comparison of group and single embryo culture of porcine parthenotes*

Murin, M., Gad, A., Bartkova, A., Prochazka, R., Laurincik, J.

19. *Influence of g.98784892C>T and g.98784893T>G polymorphisms of lipocalin-2 gene on the antioxidant activity of milk from Polish Holstein-Friesian cows*

Pokorska, J., Kułaj, D.

20. *Influence of increased stabling temperature with reference to physiological characteristics of broiler rabbits*

Rafay, J., Parkányi, V., Ondruška, L.

21. *Effect of T-2 toxin on motility and progressive motility of rabbit spermatozoa*

Schneidgenova, M., Kalafova, A., Petruska, P., Capcarova, M.

22. *Evaluation of semen characteristics of Warmblood stallions during breeding season*

Souskova, K., Reckova, Z., Filipcik, R.

23. *The process of breeding the national breed of rabbit - Slovak pastel rex.*

Supuka, P., Chrenek, P., Baláži, A., Vašíček, J., Krešáková, L.

24. *T-cadherin transcripts in mouse preimplantation embryos*

Špirková, A., Šefčíková, Z., Kovaříková, V., Babel'ová, J., Kšiňanová, M., Fabian, D., Čikoš, Š.

25. *Somatic cell count throughout lactation as important factor for culling or treatment*

Tančin, V., Tvarožková, K., Uhrinčať, M., Mačuhová, L., Oravcova, M.

26. *The incidence of mastitis pathogens and relationship with population of leukocytes*

Tvarožková, K., Tančin, V., Vašíček, J., Uhrinčať, M., Mačuhová, L., Hleba, L.

27. *Testicular oxidative profile of ZDF rats*

Tvrďá, E., Varga, A., Benko, F., Ďuračka, M., Kováč, J., Uličná, O., Chomová, M.

28. *Relationship between California mastitis test, somatic cell count and electrical conductivity of ewe's milk*

Uhrinčať, M., Tvarožková, M., Tančin, V., Mačuhová, L.