

# SCIENTIFIC PROGRAM

of the Animal Biotechnology 2016, Nitra, December 8<sup>th</sup>, 2016

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**8:30 - 9:30 Registration, coffee**

**9:30 - 9:45 Opening**

**Chrenek, P.**, National Agricultural and Food Centre, Research Institute for Animal Production Nitra, Slovak Republic; Slovak University of Agriculture in Nitra, Slovak Republic

**9:45 -10:45 Plenary session - Invited speakers**

**Chairman: Chrenek, P.**

***The rabbit as a model and farm animal at the Research Institute for Animal Production Nitra: A review***

**Rafay, J.**, Research Institute for Animal Production Nitra, NAFC, Slovak Republic

***White lupine is a suitable feed component in rabbit diets: A review***

**Volek, Z.**, Research Institute for Animal Production, Prague, Czech Republic

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**10:45 - 11:15 Coffee break**

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***Prebiotics and synbiotics in broiler chicken production: in vivo performance and meat quality aspects: A review***

**Maiorano, G.**, University of Molise, Campobasso, Italy

***Some aspects of poultry biotechnology: A review***

**Bednarczyk, M.**, University of Sciences and Technology Bydgoszcz, Poland

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**12:30 - 13:30 Lunch**

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**13:30 - 15:30 Section I. Laboratory and Small Farm Animal - Rabbit**

**Chairmans: Bauer M., Parkanyi, V.**

***Phenotypic analysis of rabbit mesenchymal stem cells using flow cytometry and RT-PCR***

**Vasicek, J.**, Research Institute for Animal Production Nitra, NAFC, Slovak Republic

***The effect of various herbal extracts on rabbit doe reproduction***

**Foldesiova, M.**, Research Institute for Animal Production Nitra, NAFC, Slovak Republic

***Tyrosinase association with pigmentation of the rabbit banding coat***

**Vasickova, K.**, Research Institute for Animal Production Nitra, NAFC, Slovak Republic

***C- reactive protein levels in rabbits with different CRP genotype after vaccination***

**Vasicek, D.**, Research Institute for Animal Production Nitra, NAFC, Slovak Republic

***Effect of verbascoside and lycopene dietary supplementation on several plasma oxidative markers in weaning rabbits***

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

***Effects of enterocin M and durancin ED26/E7 applied to broiler rabbits on microbiota and selected parameters***

Laukova, A., Slovak Academy of Sciences, Kosice, Slovak Republic

***Sex-dependent effect of quercetin on compact bone microstructure in adult rabbits***

Babosova, R., Constantine the Philosopher University Nitra, Slovak Republic

**13:30 -16:45 Section II. - Erasmus PhD students - Welfare,  
Biotechnology and Animal Food Quality**

**Chairman: Capcarova, M., Galik, B.**

***Effect of different cryoprotectants on rooster spermatozoa cryopreservation***

Miranda, M., University of Molise, Campobasso, Italy

***Effects of reduced glutathione upon intracellular peroxide and superoxide levels in boar sperm during in vitro capacitation and progesterone-induced acrosome exocytosis***

Rocco, M., University of Molise, Campobasso, Italy

***Flow cytometric analysis of CHO-K1 cells after lipofection with new genetic constructs***

Szczerba, A., University of Sciences and Technology Bydgoszcz, Poland

***Effect of in ovo administration of different synbiotics on performance and meat quality traits in broiler chickens***

Mucci, R., University of Molise, Campobasso, Italy

***The effects of rearing system and intramuscular vitamin E injection on growth performance and meat quality of broiler chickens***

Acaye, O., University of Molise, Campobasso, Italy

***Genetic distance in relation to sperm and PGC competition in chicken***

Debowska, M., University of Sciences and Technology Bydgoszcz, Poland

***Stable transgene integration into the chicken genome using primordial germ cells***

Dunislawska, A., University of Sciences and Technology Bydgoszcz, Poland

***Effect of dietary bee pollen supplementation on fatty acid composition of chicken meat***

Trembecka, L., Slovak University of Agriculture, Nitra, Slovak Republic

***Dose-dependent effect of sulforaphane on CACO-2 cells growth***

Bovdisova, I., Slovak University of Agriculture, Nitra, Slovak Republic

***Impact of punicalagin on porcine ovarian granulosa cells in vitro***

Packova, D., Slovak University of Agriculture, Nitra, Slovak Republic

***Physicochemical properties and fatty acid content in meat of Mangalitsa breed and their crossbreeds***

Komova, P., Slovak University of Agriculture, Nitra, Slovak Republic

***Differences in rumen temperature of dairy cows at the start and peak of lactation***

Hanusovsky, O., Slovak University of Agriculture, Nitra, Slovak Republic

***The relationship among ageing, fungiform papillae density and detection threshold for caffeine***

Fekete, T., Slovak University of Agriculture, Nitra, Slovak Republic

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**15:30 - 15:45 Coffee break**

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**15:45 - 16:45 Section III. - Laboratory and Small Farm Animals - Poultry, bee, mouse**

**Chairman: Makarevic, A., Ondruska L.**

***The Japanese quail chorio-allantoic membrane as an experimental in vivo model for angiogenesis research and cancer diagnosis and treatment***

Macaiova, M., Slovak Academy of Sciences, Bratislava, Slovakia, Slovak Republic

***Enterocin M –producing strain Enterococcus faecium AL41 can beneficially affect intestinal microflora of ostriches***

Kandricakova, A., Slovak Academy of Sciences, Kosice, Slovak Republic

***Campylobacters from poultry in relation to bioactive substances***

Scerbova, J., Slovak Academy of Sciences, Kosice, Slovak Republic

***Maternal stress during the preimplantation developmental period: the context of maternal metabolic status***

Cikos, S., Slovak Academy of Sciences, Kosice, Slovak Republic

**16:45 - 17:30 Section IV. - PhD students**

**Chairman: Chrenek, P.**

***Anterior pituitary hormones of female rabbits after apricot seeds administration in vivo***

Michalcova, K., Slovak University of Agriculture, Nitra, Slovak Republic

***Effect of DMSO on the viability of frozen-thawed chicken blastodermal cells***

Svoradova, A., Constantine the Philosopher University, Nitra, Slovak Republic

***Molecular analysis of the rabbit amniotic fluid-derived stem cells***

Tomkova, M., Slovak University of Agriculture, Nitra, Slovak Republic

***Genetic characterization of Slovak Carniolan honey bee using microsatellite markers***

Stastny, M., Constantine the Philosopher University, Nitra, Slovak Republic

***Closing ceremony***

**Chrenek, P.**, National Agricultural and Food Centre, Research Institute for Animal Production Nitra, Slovak Republic; Slovak University of Agriculture in Nitra, Slovak Republic

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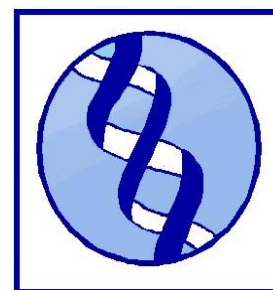
**17:30 - 18:00 Poster presentations**

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**18:00 - 22:00 Reception**

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## POSTERS

***Effect of quercetin application on some antioxidant parameters of rabbit blood in vivo***

Capcarova, M., Slovak University of Agriculture, Nitra, Slovak Republic

***Isolation and cryopreservation of germ cells of fish***

Dragin, S., University of Novi Sad, Serbia

***Raman spectroscopy - useful tool for metabolomics profiling of spent media collected after in vitro culture of mice preimplantation embryos***

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

***Analysis of several traits of Saris gigantic rabbit***

Fik, M., Slovak University of Agriculture, Nitra, Slovak Republic

***Effect of Goji (Lycium chinense) on the rabbit male reproduction***

Foldesiova, M., Research Institute for Animal Production Nitra, NAFC, Slovak Republic

***Growth ability of Oravka chicken***

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

***Stimulation of mitochondria during maturation influences development and gene expression in bovine embryos derived from oocytes with different meiotic competence***

Hulinska, P., Veterinary Research Institute, Brno, Czech Republic

***Biochemical parameters in blood serum and breast muscle of Japanese quails after feeding complete feed mixtures with GM maize***

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

***Potential effects of 4-octylphenol on hormone secretion by mice Leydig cells***

Jambor, T., Slovak University of Agriculture, Nitra, Slovak Republic

***Blood mineral profile after application of patulin in rabbits and its modulation by epicatechin***

Kalafova, A., Slovak University of Agriculture, Nitra, Slovak Republic

***Progress in methodology of genetic diversity monitoring in Pinzgau cattle***

Kasarda, R., Slovak University of Agriculture, Nitra, Slovak Republic

***Rabbit pronuclear zygotes vitrification using two distinct carriers***

Kulikova, B., Research Institute for Animal Production Nitra, NAFC, Slovak Republic

***The effects of daily milk yield, milk fat and protein content and SCC on the milk antioxidant capacity in Holstein-Friesian cattle***

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

***Effect of the first and second farrowing on number of piglets born alive in Large white and Landrace sows***

Mirkov, M., University of Novi Sad, Serbia

***Determination of oocytes quality using Brilliant cresyl blue staining***

**Murin, M.**, Constantine the Philosopher University, Nitra, Slovak Republic

***Ultrastructure of rabbit vitrified pronuclear stage zygotes***

**Olexikova, L.**, Research Institute for Animal Production Nitra, NAFC, Slovak Republic

***Polymorphism of 5-hydroxytryptamine (serotonin) receptor 2A (5HTR2A) gene in Polish Red cattle - preliminary study***

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

***Improvement of high fat diet-induced hyperlipidemia and hyperglycemia by an aqueous extract of Lisosan® reduction in mice***

**Pozzo, L.**, University of Pisa, Italy

***Distribution of L-selectin (CD62L) on cattle cells and tissues***

**Simon, M.**, Slovak Academy of Sciences, Bratislava, Slovakia, Slovak Republic

***Effect of hyperthermia on several motion parameters of rabbit spermatozoa***

**Schneidgenova, M.**, Slovak University of Agriculture, Nitra, Slovak Republic

***Reproduction parameters of Brown Hare farmed in Slovakia***

**Sladeček, T.**, Research Institute for Animal Production Nitra, NAFC, Slovak Republic

***Frequency of removal reasons of sows in North Serbia, Vojvodina***

**Stupar, N.**, University of Novi Sad, Serbia

***Somatic cell counts in milk of suckled native Valachian ewes during lactation***

**Tancin, V.**, Research Institute for Animal Production Nitra, NAFC, Slovak Republic

***Phenomenon Acromelanism in rabbits***

**Vasickova, K.**, Research Institute for Animal Production Nitra, NAFC, Slovak Republic