

25th International Symposium Animal Science Days

September 20-22, 2017; Brandlücken, Austria

SCIENTIFIC PROGRAMME

Tuesday, September 19th

18.00-20.00 Registration of participants

Wednesday, September 20th

8.00-9.30 Registration of participants

9.30-10.00 Opening ceremony

PLENARY SESSION

Chairpersons: Peter Dovc, Istvan Nagy

10.00-10.20 **Christoph WINCKLER, Christine LEEB.** From animal welfare assessment to animal welfare improvement

10.20-10.40 **Enrico STURARO, Maurizio RAMANZIN:** Ecosystem services indicators for grassland-based livestock systems

10.40-11.00 Discussion

11.00-11.30 **Coffee break**

11.30-11.50 **Lubos VOSTRÝ, Hana VOSTRÁ-VYDROVÁ, Barbora HOFMANOVÁ, Ivan MAJZLÍK.** Genetic analysis of the Old Kladruber horse – an important genetic resource in the Czech Republic

11.50-12.10 **Ino CURIK, Vladimir BRAJKOVIĆ, Dinko NOVOSEL, Strahil RISTOV, Marija ŠPEHAR, Mato ČAČIĆ, Maja FERENČAKOVIĆ, Dragica ŠALAMON, Nikola RAGUŽ, Vlatka ČUBRIĆ-ČURIK.** Impact and utilisation of the mitogenome in livestock breeding and genetics

12.10-12.30 Discussion

12.30-14.00 **Lunch time**

SESSION I: ANIMAL GENETIC RESOURCES AND BREEDING

Chairpersons: Martino Cassandro, Vlatka Cubric-Curik

- 14.00-14.15 **Mojca VOLIČ, Marko ČEPON, Špela MALOVRH, Silvester ŽGUR.** The effect of dam breed on calf mortality in the first month of life in Slovenia
- 14.15-14.30 **Negar KHAYATZADEH, Gábor MÉSZÁROS, Yuri T. UTSUNOMIYA, Fritz SCHMITZ-HSU, Birgit GREGLER, Urs SCHNYDER, Maja FERENČAKOVIĆ, Ino CURIK, Johann SÖLKNER.** Estimation of breed composition, breed heterosis and epistatic loss for percent of live spermatozoa in admixed Swiss Fleckvieh bulls
- 14.30-14.45 **Barbara LUŠTREK, Klemen POTOČNIK** Reflection of genomic selection in practice – use of genomic Brown Swiss bulls in Slovenia
- 14.45-15.00 **Mojca SIMČIČ, Danijela BOJKOVSK** The effect of Pinzgauer admixture on the red pied sided coat colour of Cika cattle
- 15.00-15.15 **Maja FERENČAKOVIĆ, Marija SPEHAR, Vladimir BRAJKOVIC, Vlatka CUBRIC-CURIK, Johann SÖLKNER, INO CURIK.** The impact of cytoplasmic inheritance on sperm quality in Fleckvieh bulls
- 15.15-15.30 **Christina PFEIFFER, E. REITER, Christian FUERST, Birgit FUERST-WALTL.** Genetic parameters of Austrian Fleckvieh cattle in organic and conventional production systems with different levels of management intensity

15.30-16.00 Coffee break

- 16.00-16.15 **Nina MORAVČIKOVÁ, Radovan KASARDA, Veronika KUKUČKOVÁ, Ondrej KADLEČÍK.** Effective population size and genomic inbreeding in Slovak Pinzgau cattle
- 16.15-16.30 **Michael KLAFFENBÖCK, Beate BERGER, Gábor MÉSZÁROS, Johann SÖLKNER.** A four-step approach for selecting a genetically diverse group of animals from pedigree data using the example of endangered Austrian goat breeds
- 16.30-16.45 **Veronika KUKUČKOVÁ, Nina MORAVČIKOVÁ, Radovan KASARDA.** Variation in linkage disequilibrium patterns between populations of different production types
- 16.45-17.00 **Lubos VOSTRÝ, Hana VOSTRÁ-VYDROVÁ, Barbora HOFMANOVÁ, Zdenka VESELÁ, Jitka SCHMIDOVÁ, Ivan MAJZLÍK.** Genetic parameters for linear type traits in three Czech draught horse breeds
- 17.00-17.15 **Vladimir BRAJKOVIĆ, Silvestar BELJAN, Ivan KAŠTELANAC, Milan ORŠANIĆ, Damir UGARKOVIĆ, Ino CURIK, Zoran VEIR, Vlatka CUBRIC-CURIK.** DNA Sequence Variation in the Mitochondrial Control Region of *Oryctolagus cuniculus* from Croatia
- 17.15-17.30 **V. ÁCS, Z. ANVARBEKOVA, Zsolt SZENDRŐ, Istvan NAGY.** Application possibilities of selection indices in the Pannon Ka rabbit breed

18.00-19.00 Coordination Committee Meeting

19.30-24.00 Gala Dinner

Thursday, September 21st

SESSION II:

TREASURE - Diversity of local pig breeds and production systems for high quality traditional products and sustainable pork chains

Chairpersons:

- 08.30-08.50 **Marjeta ČANDEK-POTOKAR, Rosa NIETO, Carolina PUGLIESE, Jose P. ARAUJO, Rui CHARNECA, Juan M. GARCIA CASCO, Elena GONZÁLEZ SÁNCHEZ, Francisco I. HERNANDEZ-GARCIA, Mercedes IZQUIERDO, Danijel KAROLYI, Goran KUŠEC, Benedicte LEBRET, Marie-José MERCAT, Matthias PETIG, Čedomir RADOVIĆ, Radomir SAVIĆ.** Local pig breeds: nutritional requirements, innovative practices and local feeding resources as challenges in project TREASURE
- 08.50-09.10 **Bénédicte LEBRET, Carolina PUGLIESE, Riccardo BOZZI, Maria FONT-I-FURNOLS, Maja PREVOLNIK POVŠE, Urška TOMAŽIN, Marjeta ČANDEK-POTOKAR.** New methodologies applied in TREASURE project to predict the quality of pork and pork products from local pig breeds
- 09.10-09.30 **Z. KALLAS, Marjeta ČANDEK-POTOKAR, U. TOMAŽIN, Carolina PUGLIESE, C. AQUILANI, J.M. GIL.** Measuring Consumers' preferences for Traditional and Innovative Pork Products
- 09.30-09.45 **Isabel SEIQUER, Luis LARA, Patricia PALMA-GRANADOS, Noelia HERRERA, Manuel LACHICA, Ignacio FERNÁNDEZ-FÍGARES, Ana HARO, Rosa NIETO.** Growth potential of immune- and surgically castrated Iberian pigs fed diets of different protein concentration
- 09.45-10.00 **Juan M. GARCÍA-CASCO, María MUÑOZ, José M. MARTÍNEZ-TORRES, Adrián GARCÍA-LÓPEZ, Miguel A. FERNÁNDEZ-BARROSO, Elena GONZÁLEZ-SÁNCHEZ.** Alternative feeding in Iberian pigs during growth period: incorporation of olive cake in a dry or wet (silage) form
- 10.00-10.15 **Marija CERJAK, Mario PETRČIĆ, Danijel KAROLYI.** Effect of information about pig feeding (conventional vs. acorn-fed) on consumer acceptability of sausages made from local Turopolje pig breed.
- 10.15-10.30 **Jernej OGOREVC, Minja ZORC, Martin ŠKRLEP, Riccardo BOZZI, Matthias PETIG, Luca FONTANESI, Marjeta ČANDEK-POTOKAR, Peter DOVČ.** Is KIT locus polymorphism rs328592739 related to white belt phenotype in Krškopolje pig?
- 10.30-11.00 Coffee break**

SESSION III: 11.00-12.30 Poster Session (Poster viewing, 5 selected posters will be invited to give 5 min oral presentations each).

Chairpersons: Christina Pfeiffer, Veronika Kukučková

Maja PREVOLNIK POVŠE, Danijel KAROLYI, Urška TOMAŽIN, Martin ŠKRLEP, Carolina PUGLIESE, Bénédicte LEBRET, Marjeta ČANDEK-POTOKAR. Accuracy of near infrared spectroscopy to predict quality of pork and pork products including samples of Krškopolje and Turropolje pigs

Urška TOMAŽIN, Martin ŠKRLEP, Nina BATOREK LUKAČ, Maja PREVOLNIK POVŠE, Marjeta ČANDEK-POTOKAR. Performance of Krškopolje pigs in extensive and intensive production system
Čedomir RADOVIĆ, Milica PETROVIĆ, Radomir SAVIĆ, Marija GOGIĆ, Miloš LUKIĆ, Nikola STANIŠIĆ, Marjeta ČANDEK-POTOKAR. Growth potential of Serbian local pig breeds Mangalitsa and Moravka

Ivona DJURKIN KUŠEC, Ivan BUHA, Vladimir MARGETA, Kristina GVOZDANOVIĆ, Žarko RADIŠIĆ, Miodrag KOMLENIĆ, Goran KUŠEC. Carcass composition and meat quality of Crna Slavonska pigs from two different rearing conditions

Mario FROHLICH, Miodrag KOMLENIĆ, Vladimir MARGETA, Ivona DJURKIN KUŠEC, Kristina GVOZDANOVIĆ, Polonca MARGETA, Žarko RADIŠIĆ, Goran KUŠEC. The development in live weight, muscle and fat of Crna Slavonska pigs kept in different rearing systems

Krešimir SALAJPAL, Danijel KAROLYI, Relja BECK, Tanja ŠARAN, Zoran LUKOVIĆ, Dubravko ŠKORPUT, Ivan VNUČEC, Željko MAHNET, Vedran KLIŠANIĆ. Occurrence of gastrointestinal parasites after exposure to natural infection in outdoor reared Turropolje pigs

Zuzana KRUPOVÁ, Josef PŘIBYL, Emil KRUPA, Marie WOLFOVÁ. Claw disease incidence as a new trait in the breeding goal for the Czech Holstein population

Sudeb SAHA, Francesca MALCHIODI, Claudio CIPOLAT-GOTET, Giovanni BITTANTE, Luigi GALLO. Effects of crossbreeding of Holsteins cows with Montbéliarde and Swedish Red in first and second generation on cheese yield traits

Emil KRUPA, Zuzana KRUPOVÁ, Eliška ŽÁKOVÁ, Josef PŘIBYL. Breeding objectives of dam pig breeds of the Czech national breeding program based on reproduction traits

Angela CIVIDINI, Mojca SIMČIČ. The effect of the body condition score at artificial insemination on prolificacy traits in slovenian alpine goats

Anna TRAKOVICKÁ, Nina MORAVČÍKOVÁ, Radovan KASARDA. Casein polymorphism in relation to the milk production traits of Slovak Spotted cattle

Ondrej KADLEČÍK, Nina MORAVČÍKOVÁ, Veronika KUKUČKOVÁ, Radovan KASARDA. Inbreeding and genetic diversity loss in Slovak Pinzgau breed

Marija SPEHAR, Maja FERENČAKOVIĆ, Vladimir BRAJKOVIC, Ino CURIK. Variance estimation of maternal lineage effect on milk production traits in Croatian Holstein breed

Radovan KASARDA, Nina MORAVČÍKOVÁ, Juraj CANDRÁK, Gábor MÉSZÁROS, Michal VLČEK, Veronika KUKUČKOVÁ, Ondrej KADLEČÍK. Genome-wide mixed model association study in population of Slovak Pinzgau cattle

Giovanni COSSO, Cinzia DAGA, Sebastiano LURIDIANA, Maria Consuelo MURA, Federico FARCI, Luisa PULINAS, Maria Veronica DI STEFANO, Pier Paolo BINI, Vincenzo CARCANGIU. Characterization of the SREBP-1 gene polymorphisms and milk traits in dairy sheep

Nora LAMAC, Johann SÖLKNER, Gabor MÉSZÁROS. Analysis of excessive homozygous regions in Rhodesian Ridgeback dogs

Maja BANADINOVIĆ, Alen DŽIDIĆ, Mojca SIMČIČ, Dragica ŠALAMON. Geographic patterns of genetic variation in indigenous eastern adriatic sheep breeds

Hana VOSTRA-VYDROVA, Barbora HOFMANOVA, Ivan MAJZLIK, Lubos VOSTRY. Genetic distances and admixture between sire lines of the Old Kladruber horse

Maja GREGIĆ, Mirjana BABAN, Tina BOBIĆ, Vesna GANTNER. Horses' adaption to the training over the racing season

Ivona DJURKIN KUŠEC, Ivan BUHA, Vladimir MARGETA, Kristina GVOZDANOVIĆ, Žarko RADIŠIĆ, Miodrag KOMLENIĆ, Goran KUSEC. Carcass composition and meat quality of Crna Slavonska pigs from two different rearing conditions

Polonca MARGETA, Kristina GVOZDANOVIĆ, Ivona DJURKIN KUŠEC, Žarko RADIŠIĆ, Goran KUŠEC, Vladimir MARGETA. Genotyping of the leptin receptor gene in Crna Slavonska pig – preliminary results suggests new variants of the promoter

Maksimiljan BRUS, Andrej MERGEDUŠ, Maja PREVOLNIK POVŠE, Marjan JANŽEKOVIČ. Better tolerance on in feed mycotoxicosis incidence with Farmatan-D® feed additive fed fattening bulls

Metka ŽAN LOTRIČ, Polonca ZAJC, Mojca SIMČIČ, Danijel MULC, Zdravko BARAĆ, Marija ŠPEHAR. Milk production traits of Alpine and Saanen goats populations in Croatia and Slovenia

F. GRATTA, Marco BIROLO, Gerolamo XICCATO, Angela TROCINO. Effect of genotype, gender, and feed restriction on slaughter results and meat quality of broiler chickens

12.30-14.00 **Lunch time**

SESSION IV: ANIMAL PRODUCTION

Chairpersons: Enrico Sturaro, Lubos Vostry

14.00-14.15 **Axelle MINEUR, Astrid KÖCK, Clement GRELET, Nicolas GENGLER, Christa EGGER-DANNER, Johann SÖLKNER.** First results in the use of milk mid-infrared spectra in the detection of lameness in Austrian dairy cows

14.15-14.30 **Anna BENEDET, Mauro PENASA, Martino CASSANDRO, Massimo DE MARCHI.** Effects of ketosis status defined by FTIR spectroscopy on milk quality traits of first-lactation cows

14.30-14.45 **Sarah CURRÒ, Carmen Loreto MANUELIAN, Mauro PENASA, Martino CASSANDRO, Massimo DE MARCHI.** Use of mid-infrared spectroscopy to predict coagulation properties of buffalo milk

14.45-15.00 **Angela COSTA, Massimo DE MARCHI, Martino CASSANDRO, Mauro PENASA.** Phenotypic and genetic aspects of milk freezing point in primiparous Holstein Friesian cows

15.00-15.15 **Doreen LAMUNO, Gábor MÉSZÁROS, Esther D. ELLEN, Johann SÖLKNER.** Survival analysis of White Leghorn laying hens in the early and late production period

15.15-15.30 **Uroš ŠRAJ, Dušan TERČIČ, Dušanka JORDAN, Mojca PESTOTNIK, Manja ZUPAN.** Dimethyl anthranilate based repellents affect cage pecking and feather condition of laying hens

15.30-16.00 **Coffee break**

16.00-16.15 **Ágnes CSIVINCSIK, Gábor NAGY, Tibor HALÁSZ, Attila ZSOLNAI.** Shared pastures and anthelmintic resistance in wildlife and livestock

16.15-16.30 **Michal VLČEK, Ján TOMKA, Radovan KASARDA.** Evaluation of claw conformation by using two methods of measuring-by ruler and image analysis

16.30-16.45 **Tina BOBIĆ, Pero MIJIĆ, Maja GREGIĆ, Ante BAGARIĆ, Vesna GANTNER.** Early detection of the hoof diseases in Holstein cows using thermovision camera

16.45-17.00 **Josef SCHENKELFELDER, Christoph WINCKLER.** Development and evaluation of an online training-tool for the assessment of animal-based welfare parameters in cattle

17.00-17.15 **Andreas HASELMANN, Fenja KLEVENHUSEN, Wilhelm KNAUS, Qendrim ZEBELI.** Effect of a lactic acid treated by-product mixture in a diet supplemented with inorganic P on ruminal fermentation in vitro

17.15-17:45 Discussion and final conclusions

19.00-23.00 Dinner

Friday, September 22nd

8.00-13.30 Study excursion