

Scientific programme ASD 2023

Tuesday

September 19th, 2023

9:00-17:00 **Course: Animal Welfare and Sustainability**

Wednesday

September 20th, 2023

7:30-8:30 Registration

8:30-8:45 Opening

8:45-10:25 **Genetics and Selection 1, Chair persons: Hana Vostrá-Vydrová, Radovan Kasarda**

8:45
Invited

The Influence of Chromosomal Position and Sex on Inbreeding Variation in Domestic Animals

Shihabi M., Vostry L., Cubric-Curik V., Ferenčaković M., Curik I.

9:10

Genetic Background and Inbreeding of Endangered Austrian Turopolje Pig Population

Cannarella M. S., Sölkner J., Mészáros G., Ciani E.

9:25

Towards a Genetic Evaluation for Conformation Traits: Linear Scoring in Two Dairy Goat Breeds

Fuerst-Waltl B., Fuerst Ch.

9:40

Detection of Deletions in the Genome of Fleckvieh Cattle Using SNP Chip Data and the Concept of Mendelian Mismatches on Parent-Offspring Pairs

Dekar T., Gebre K. T., Mészáros G., Derks M., Sölkner J.

9:55

Population Genomic Structure of the Carniolan Honeybee in Indigenous Geographical Region

Lukić B., Raguž N., Kovačić M., Čurik I., Puškadija Z.

10:10

Genomic Insights into the Lipizzan Horse population from Lipica Stud via SNP Array Genotyping

Ferme T., Zorc M., Tanšek A., Dolinar M., Mesarič M., Cotman M., Rus J., Dovč P.

10:25-11:00

Coffee break

11:00-12:30

Riding performance

12:30-14:00

Lunch

14:00-15:35

Genetics and Selection 2, Chair persons: Vlatka Čubrić Čurik, Daniele Colombi

14:00
Invited

Purging the Genetic Load in Wild, Zoo, and Domesticated Populations (A Review)

Nagy I., Kövér Gy., Nguyen A.T.

14:25
Invited

Diversity Status of Slovak Population of Askanian Merino Sheep

Nina Moravčíková, Radovan Kasarda, Luboš Vostrý, Gábor Mészáros, Milan Margetín, Ivan Pavlík

14:50

Computation of Fixation Index in Multi-Breed Data Sets

Gábor Mészáros, Farzad Atrian-Afiani

15:05

Y Chromosome Illustrates Origin and Genealogies of Lipizzan Sire Lines

Lara Radović, Viktoria Remer, Sabine Felkel, Gottfried Brem and Barbara Wallner

15:20

Pedigree Analysis of Local Cattle Breeds in Croatia

Gordan Šubara, Zdenko Ivkić, Ante Ivanković

15:35 -16:05

Coffee break

16:05-17:50

Poster session, Chair persons: Maja Ferenčaković, Luboš Vostrý

16:05

Definition of Feed Efficiency Traits Suitable for the Genetic Evaluation of Fleckvieh Cows

S.-J. Burn, B. Fuerst-Waltl, C. Egger-Danner, G. Terler, W. Zollitsch

16:10

Identification of Candidate Genes for Mastitis Resistance in Dairy Cattle

Zala Brajnik Kovačić, Jernej Ogorevc

16:15	Evaluation of Count Somatic Cells as Health Indicator and Its Correlation with Milk Production Traits in Selected Farming Conditions <i>Bujko Jozef, Miluchová Martina, Candrák Juraj, Strapák Peter, Hrnčár Cyril, Kasarda Radovan</i>
16:20	Comparison of Conventional BLUP and Single-Step GBLUP under the Linear Regression Method in Czech Pig Breeds <i>J. Calta, E. Žáková, E. Krupa, G. Mészáros, L. Vostrý</i>
16:25	Characterization of Chemical Composition and Technological Properties in Podolica Milk and Association with Protein Fraction Genotypes <i>Colombi D., Perini F., Pedota G., Sbarra F., Quaglia A., Lasagna E.</i>
16:30	Influence of the Duration of Frozen Storage on Some Physical Properties of Chicken Meat <i>Djurkin Kušec Ivona, Kušec Goran, Kralik Zlata, Gvozdanović Kristina</i>
16:35	The Effective Population Size and Admixture in Croatian Native Cattle Breeds <i>Drzaic I., Vostry L., Brajkovic V., Cubric-Curik V., Curik I.</i>
16:40	Examination of the Use of Perches in Front of the Nest by Different Genotypes of Laying Hens in Alternative Pen Housing Technology (Preliminary Results) <i>Tamás Péter Farkas, Sándor Szász, Attila Orbán, Dávid Mezőszentgyörgyi, Lilla Pető, Zoltán Sütő</i>
16:45	The Effect of the Herd Size on the Prevalence and Impact of Mastitis in Dairy Simmental Cows <i>Vesna Gantner, Ivana Jožef, Zvonimir Steiner, Ranko Gantner, Klemen Potočnik</i>
16:50	Daily Milk Yield Variance as an Indicator Trait in Holstein Cattle <i>Kašná Eva, Zavadilová Ludmila, Vařeka Jan</i>
16:55	Fatty Acid Profile in Intramuscular Fat and Subcutaneous Backfat in Black Slavonian Pigs <i>Vladimir Margeta, Dalida Galović, Jakov Jurčević, Polonca Margeta, Žarko Radišić, Ivona Djurkin Kušec, Danijela Samac, Goran Kušec</i>
17:00	The Genetic Background of Wavy Hair in the Cornish Rex Cat Breed and Its Crosses with the Domestic Shorthair Cat <i>Anja Tanšek, Tajda Horvat, Minja Zorc, Tamara Ferme, Mateja Dolinar, Peter Dovč</i>
17:05	Genetic diversity of domestic Balkan goat based on microsatellite markers <i>Milena Djokić, Božidarka Marković, Peter Dovč, Dušica Radonjić, Minja Zorc</i>
17:10	Effect of Olive (<i>Olea europaea</i>) Leaves or Marigold (<i>Calendula officinalis</i>) Petals Extracts on the Oxidative Stability of Meat Enriched with n-6 or n-3 PUFA in Broilers <i>Vida Rezar, Janez Salobir, Alenka Levart, Tatjana Pirman</i>
17:15	Investigating the Nocturnal Behavior of Different Genotypes of Laying Hens in Alternative Pen Housing System (Preliminary Results) <i>Sándor Szász, Tamás Péter Farkas, Attila Orbán, Dávid Mezőszentgyörgyi, Lilla Pető, Zoltán Sütő</i>
17:20	Attitudes of Dairy Farmers towards Breeding Tools and Genomic Selection with Emphasis on Their Knowledge <i>Anita Ule, Karmen Erjavec, Marija Klopčič</i>
17:25	Effect of Dry Ageing on Color, Texture, and Weight Loss of Pork Meat <i>František Ježek, Josef Kameník, Helena Veselá, Marta Dušková</i>
17:30	Changes in Horse's Curiosity Concerning Age <i>Maja Gregič, Iva Šuker, Vesna Gantner, Tina Bobič</i>
17:35	Observed Parameters in Groups of Calves with Differences According to Breed <i>Zvonimir Steiner, Ivan Babić, Ranko Gantner, Vesna Gantner</i>
17:40	Effect of Dry Aging of Pork on Microbiological Quality <i>Helena Veselá, Marta Dušková, Josef Kameník, František Ježek</i>
17:45	Case Study of Maize Crop Establishment by Using Solely Horse Draft Force <i>Ranko Gantner, Vesna Gantner, Zvonimir Steiner, Igor DelVechio</i>

**Thursday
September 21st, 2023**

9:00-10:25	Growth Performance 1, Chair persons: Birgit Fürst-Waltl, Silvester Žgur
9:00 Invited	Growth Pattern of Live Weight and Muscle Tissue in Black Slavonian Barrows <i>Goran Kušec, Ivona Djurkin Kušec, Vladimir Margeta, Kristina Gvozdanović, Žarko Radišić</i>
9:25	Some Factors Affecting Semen Quality Traits of Rams <i>Marko Bizjak, Angela Cividini</i>
9:40	A Genome-Wide Association Study for Productive Traits in Italian Beef Cattle Breeds <i>Colombi D., Rulli E., Perini F., Sbarra F., Quaglia A., Bonifazi R., Lasagna E.</i>
9:55	Antioxidative Status of Weaned Piglets Fed with Diet with Different Sources of Selenium (Se) <i>Jakov Jurčević, Marcela Šperanda, Vlado Vuković, Vesna Gantner, Zvonimir Steiner, Dalida Galović, Vladimir Margeta</i>
10:10	Ensuring Breed Traceability in Meat Products Based on Genomic Information <i>Suzana Krhlanko, Milena Kovač, Anita Ule, Sanja Bogičević, Andrej Kastelic, Špela Malovrh</i>
10:25-10:55	Coffee break
10:55-12:55	Welfare and Ethology, Chair persons: Ivona Djurkin Kušec, István Nagy
10:55 Invited	From a Handful to a Dedicated Manger: Problems and Trend of Veal Calf's Solid Feeding from an Animal Welfare Perspective <i>Giulio Cozzi</i>
11:20	Welfare of Laying Hens in a Cage-Free System: Effect of Genotype and Enrichment on Animal-Based Measures <i>Claudia Ciarelli, Francesco Bordignon, Gerolamo Xiccato, Angela Trocino</i>
11:35	Experiences of an Unconventional Way to Solve Certain Dilemmas of Breeding History <i>Lilla PETŐ, Zoltán SÜTŐ</i>
11:50	A Simple Approach of Aligning the Number of Enrichment Objects to the Number of Litters Mixed to Improve the Welfare of Weaned Piglets <i>Maja Prevolnik Povše, Nejc Kuri, Janko Skok, Dejan Škorjanc</i>
12:05	The State of Small Ruminants Housing in Slovenia <i>Mojca Simčič, Domen Drašler, Marija Klopčič</i>
12:20	Neogen's Equine genotyping solutions <i>Helene Hofeneder-Barclay</i>
12:55-14:00	Lunch
14:00-15:15	Growth Performance 2, Chair persons: Nina Moravčiková, Giulio Cozzi
14:00	Effect of Sire Classification for Ad Libitum Residual Feed Intake on Growth Performance of Restricted Fed Pigs <i>C. Mondin, V. Bonfatti, S. Faggion, L. Gallo, S. Schiavon, P. Carnier</i>
14:15	Estimation of Genetic Parameters for Fattening Traits of Boars <i>Anita Ule, Milena Kovač, Špela Malovrh</i>
14:30	Genome-Wide Association Study for Live Animal Ultrasound Measures in Czech Aberdeen Angus <i>Z. Vesela, M. Brzakova, A. Birovas, A. Novotna, L. Vostry</i>
14:45	Cross-Fostering in the Breeding of Highly Prolific Sows: Body Weight as the Main Criterion <i>Dubravko Škorput, Maja Prevolnik Povše, Zoran Luković, Danijel Karolyi, Krešimir Salajpal, Dejan Škorjanc, Janko Skok</i>
15:00	Istrian Bull's Carcass Quality Assessment <i>Ante Ivanković, Gordan Šubara, Edmondo Šuran, Miljenko Konjačić</i>
15:15-15:45	Coffee break
15:45-17:25	Lactation Biology 1, Chair persons: Elen Gócza, Gábor Mészáros
15:45 Invited	Classical, Ancestral, and New Inbreeding of X-Chromosome in Czech Local Dairy Goat Breed <i>Vostry L., Vostra-Vydrova H., Shihabi M., Hofmanova B., Kövér, G., Farkas J., Nagy I., Moravcikova N., Kasarda R., Curik I</i>

16:10	Differently Conserved (Ensiled vs. Barn-Dried) Grass Forage: Effects on Organic Dairy Cows' Feed Intake and Performance and on the Digestibility of Nutrients <i>Bauer, K., Mansour Eghbali, Thomas Hartinger, Birgit Fuerst-Waltl, Werner Zollitsch, Qendrim Zebeli, Wilhelm Knaus</i>
16:25	Genome-Wide Association Study for Milking Speed in Fleckvieh Cattle <i>Eliane Bucher, Gábor Mészáros and Johann Sölkner</i>
16:40	Genome-Wide Copy Number Variants Analysis in Slovenian Holstein-Friesian Cattle Using 50K SNP BeadChip <i>Ali Ashja, Minja Zorc, Peter Dovč</i>
16:55	How to Select Cows for Parmigiano-Reggiano Cheese <i>Martino Cassandro, Raffaella Finocchiaro, Jan-Thijs van Kaam, Ferdinando Galluzzo and Maurizio Marusi</i>
17:10	Evaluation of Genetic Parameters for Mastitis in the Selected Slovak Farms <i>Monika Chalupková, Radovan Kasarda, Nina Moravčíková, Juraj Candrák, Adrián Halvoník</i>
19:30	Gala dinner
Friday September 22nd, 2023	
9:00-10:25	Animal Production, Chair persons: Mojca Simčič, Danijel Karolyi
9:00 Invited	Partial Inbreeding Depression to Important Ancestors for Sperm Quality Traits of Fleckvieh Bulls <i>Temesgen Tadesse Yitayih, Geena Cartick, Gábor Mészáros, Harmen Doekes, Ino Curik, Johann Sölkner</i>
9:25	Multiple Births in Dual-Purpose Pinzgau Cows <i>Mariasole Caccin, Birgit Fuerst-Waltl, Christian Fuerst, Mauro Penasa</i>
9:40	Code EFABAR: The Code of Good Practices for Farm Animal Breeding <i>Geena Cartick, Ana Granados Chapatte</i>
9:55	Agroforestry as a Basis for Breeding Autochthonous Pig Breeds in Croatia <i>Vladimir Margeta, Dalida Galović, Jakov Jurčević, Kristina Gvozdanović, Vladimir Ivezić</i>
10:10	Sustainability Aspects of Sardinian Silvopastoral Goat Systems: A Qualitative Analysis <i>Luis Spinnarke, Georg Gratzer, Antonello Franca, Werner Zollitsch</i>
10:25-10:55	Coffee break
10:55-12:10	Lactation Biology 2, Chair persons: Vesna Gantner, Peter Dovč
10:55	Feeding Duration of Ad Libitum Fed Sows <i>Gorr S.C., Mourot A., Taurus, Z., Leeb C.</i>
11:10	Haplotype Analysis in Connection to Genes Associated with Fatty Acid Composition of Milk in Cattle <i>Adrián Halvoník, Nina Moravčíková, Monika Chalupková, Hana Vostrá-Vydrová, Luboš Vostrý, Radovan Kasarda</i>
11:25	Presence of Pathogen DNA Is Associated with Altered Milk Yield and Composition in Cows Close to Dry-Off <i>Silvia Magro, Elena Visentin, Elena Chiarin, Filippo Cendron, Matteo Santinello, Angela Costa, Martino Cassandro, Mauro Penasa, Massimo De Marchi</i>
11:40	Synergies and Trade-Offs Between Different Environmental Impacts of Livestock: The Case of Austrian Dairy Farming <i>Martin Seiringer, Stefan J. Hörtenhuber, Werner J. Zollitsch</i>
11:55	Non-Genetic Factors Affecting Milk Protein Profile in Brown Swiss Cows <i>Elena Visentin, Giovanni Niero, Elena Mariani, Giorgia Stocco, Michela Ablondi, Andrea Summer, Claudio Cipolat-Gotet, Mauro Penasa</i>
12:10-13:15	ASD Committee Meeting and Lunch
13:15-15:30	Field trip