

# Scientific programme 32nd International Symposium Animal Science Days, 2024, Austria

Tuesday, October 1st, 2024	
12:00-13:00	Registration
13:00-19:00	Short Course: Genetics of Crossbreeding Hans Sölkner, Negar Khayat-zadeh
Registration in coffee break and after end of course	
Wednesday, October 2 <sup>nd</sup> , 2024	
7:30-8:30	Registration
8:30-10:15	Opening session and Breeding and Genetics Chairs: Peter Dovč, Andrea Cepatelli
8:30-8:45	Opening of meeting, greeting of local hosts
8:45	Keynote: Sturaro: Agroecological transition of livestock farming systems: the role of research in animal science
9:15	Keynote: Fuerst-Waltl et al.: Metabolic stability in dairy cattle breeding
9:45	Curik et al.: Responding to innovations in phenomics and genomics in dairy cattle breeding: presentation of the project PhenoGeno
10:00	Vostrý et al.: Effective population size in local sheep and goat breeds in the Danube region
10:15-10:45	Coffee break
10:45-12:00	Breeding and Genetics Chairs: Ino Čurik, Tamara Ferme
10:45	Nagy et al.: Correlation analysis among the various inbreeding coefficients of the Pannon Ka rabbits
11:00	Ferme et al.: Population structure and inbreeding estimation in the Bosnian mountain horse
11:15	Halvonik et al.: The management of genetic diversity in livestock populations through a genomic index of diversity
11:30	Lukic et al.: Population structure and genomic diversity of Italian Jersey cattle
11:45	Mészáros et al.: Genomic inbreeding coefficients in local sheep and goat breeds in the Danube region
12:00-14:30	Poster session and Lunch
12:00	Gomez Proto et al.: Tracing Inbreeding Patterns in Beef Cattle Breeds of Centre-Italy: A Genomic Approach
12:05	Karolyi et al.: Polymorphisms of selected genes in Banija spotted and Turopolje pig
12:10	Krupová et al.: Breeding preferences for beef cattle in the Czech Republic: preliminary report
12:15	Kurtz et al.: Sex determination in pigs by using gene editing
12:20	Luštrek et al.: The Frequencies of Beta- and Kappa-Casein Genotypes in Three Cattle Breeds in Slovenia

12:25	Moravčíková et al.: Genetic structure and relationships among local sheep and goat breeds in the Danube region
12:30	Posta et al.: Influencing factors of functional longevity in breeding does
	Poster Session and Nutrition and Physiology Chairs: Werner Zollitsch, Sarah-Joe Burn
	Poster Session
14:00	Djurkin Kušec et al.: Influence of frozen storage duration on nutritional quality of n-3 PUFA enriched chicken meat
14:05	Kralik et al.: Nutritional quality indices of lipids in the meat of pheasants ( <i>Phasianus colchicus</i> ) shot in the common hunting ground number XIV/128
14:10	Belšak et al.: Sex of cattle offspring in relation to maternal nutritional status, indirectly estimated from milk composition
14:15	Ali et al.: Mitigating Fumonisin B1-Induced Oxidative Stress in Rat Liver: The Role of Rooibos Extract
14:20	Tischler et al.: Effect of early Threonine supplementation on gut morphology in broilers
14:25	Dublecz et al.: Ileal Digestibility of Amino Acids in Corn for meat type Ducks
14:30- 15:45	Nutrition and Physiology
14:30	Bauer et al.: Sundown vs. sunup: Effect of cutting time on the chemical composition of forage from grassland
14:45	Bisello et al.: NIRS Technology to Evaluate Chemical and Qualitative Aspects of Alfalfa Hay according to the Effects of Agronomic Practices.
15:00	Almira et al.: Sex-Specific Effects of Feed Restriction on Adiponectin and its Receptors in Japanese Quail
15:15	Ikanya et al.: Detoxifying effects of probiotics on growth performance and gut health of pigs under deoxynivalenol chronic exposure: A review
15:30	Gruber et al.: Ability of mid-infrared spectral data to predict energy balance and related traits in Fleckvieh and Holstein dairy cows
15:45- 16:30	Coffee break
16:30- 18:10	Nutrition and Physiology and Poster Session Chairs: Luboš Vostrý, Ali Omeralfaroug
16:30	Kalifeh et al.: Role of PACAP, TGF- $\beta$ , and Ubiquitin System in Feed Intake Regulation of Poultry
16:45	Szabó et al.: The effect of different feed supplements in the primiparous lactating sows feed on the piglets' intestinal morphology
17:00	Varga et al.: The effect of some lactic acid bacteria strains on the bioaccessibility of fumonisin B1 in an in vitro digestion system
17:15	Csötönyi et al.: Comparison of the dynamics of glucose oxidation based on CO <sub>2</sub> abundance in red blood cells, breath gas and saliva in growing pigs
	Posters
17:30	Altgilbers et al.: Single-Cell Gene Expression Profile of Chicken Primordial Germ Cells
17:35	Ivanković et al.: Use of ultrasound in the assessment of equine carcass quality

17:40	Onzima et al.: Resilience to extreme temperature and disease: a bird's eye view
17:45	Teweldemedhn et al.: Prediction of heterosis effects using genome-wide SNP arrays for body weight, body temperature, and blood parameter traits in a heat-stressed, advanced inter-cross chicken population
17:50	Zorc et al.: Dog breed assignment for dogs of unknown origin
17:55	Lukic et al.: Next generation dairy farming: integrating genomics with precision livestock farming
18:00	Poklukar et al.: Association between melanocortin 4-receptor (MC4R) polymorphism with carcass and meat quality traits in local Krškopolje pig breed
Thursday, October 3rd, 2024	
8:30-10:15	Environment, Health, Husbandry and Livestock Farming Systems Chairs: Giulio Cozzi, Christoph Winckler
8:30	Cepatelli et al.: Precision livestock farming tools for monitoring dairy cattle behaviour on mountain pastures
8:45	Seiringer et al.: Assessment of selected ecosystem services of dairy production in two Austrian provinces
9:00	Pozzi et al.: Metabarcoding for the GreenHouseGases (GHGs): effect of dietary tannins on fecal microbiome in beef cattle
9:15	Iqbal et al.: Accuracy of in vitro techniques to measure the kinetics of gas and methane production in ruminants
9:30	Halas et al.: May growth rate interconnect with feeding behaviour in pigs?
9:45	Farkas et al.: Exploring the use of diverse environmental enrichment elements in the case of various hen genotypes
10:00	Moloi et al.: Global and local drivers of Echinococcus multilocularis infection in the western Balkan region
10:15-10:45	Coffee break
10:45-12:40	Product quality, poster session, Neogen presentation and lunch Chairs: Ivona Djurkin Kušec, Vladimir Brajković
10:45	Molin et al.: Effect of the dietary inclusion of microalgae and soybean oil on rabbit carcass traits and meat quality
11:00	Cividini et al.: Consumer preferences for small ruminant meat in Slovenia
11:15	Margeta et al.: Production of traditional prosciutto from Black Slavonian pig
11:30	Škrlep et al.: Selection signatures for growth and meat quality traits in the Krškopolje pig
	<i>Posters</i>
11:45	Magrin et al.: Daytime and night water intake and drinking behaviour in Limousine beef bulls
11:50	Magrin et al.: Estimation of cows' water intake and efficiency from on-farm known information
11:55	Magrin et al.: Daytime and night water intake and drinking behaviour in lactating Holstein cows
12:00	Peto et al.: Live weight distribution of laying hens in different cage and alternative housing technologies

12:05	Pravato et al.: Exploration about Nest Use in White and Brown Hens Using Video Recording and Radio-Frequency Identification Systems
12:10	Rigo et al.: Sideline effects of a possible ban of the tie-stalls in mountain dairy farms of the Veneto region
12:15	Vizarri et al.: Health screening of wild games in South-Western regions of Slovakia: the case of European brown hare ( <i>Lepus europaeus</i> )
12:20	Perčič et al.: Slovenian breeders' and experts' opinions on the new recommendations for calf welfare in dairy herds
12:25	Hofeneder-Barclay: Additional Traits and Applications for Neogen's GGP Arrays
14:30-18:00	Excursion Ossiacher Tauern
19:30	Gala Dinner and ASD Summary
Friday, October 4th, 2024	
8:30-10:15	Breeding and Genetics Chairs: Nina Moravčíková, Martino Cassandro
08:30	Chalupková et al.: Towards genomics: Estimation of genetic parameters for udder and claw health
08:45	Himmelbauer et al.: Comparing unknown parent groups and metafounders in single step genomic BLUP - results of a simulation study
09:00	Agyiri et al.: Genomic relationships versus pedigree relationships in animals of endangered cattle breeds of Austria
09:15	Vostrá-Vydrová et al.: Genomic differentiation between European baroque horse breeds
09:30	Mavunga et al.: Genetic diversity, admixture, and selection signatures of African cattle
09:45	Pečina et al.: Polymorphism of the FASN gene in the Istrian cattle population
10:00	Bizjak et al.: The estimation of variance components for lambing interval in two Slovenian sheep breeds
10:15-10:45	Coffee break
10:45-12:15	Breeding and Genetics Chairs: István Nagy, Adrian Halvonik
10:45	Burn et al.: Defining Efficiency: A Comparison between ratio and residual traits for selection of Fleckvieh cows
11:00	Zavdilová et al.: Resilience indicators in Czech Holstein cattle
11:15	Bongioni et al.: Real-Time qPCR as a method to estimate A1/A2 alleles frequencies in bulk milk samples
11:30	Maróti-Agóts et al.: Phenotypic comparison of the western diaspora Hungarian Grey Cattle Apetlonian herd with the main Hungarian herds.
11:45	Barsi et al.: Description of the Hungarian Coldblood horse population
12:00	Margeta et al.: Methods of revitalization of Mangalitsa breeding in the Republic of Croatia
12:30-13:30	Fingerfood and Committee meeting