



## Scientific Program - Interbull Open Session, Bled 2024

**Rikli Balance Hotel, ARNOLD I/II**

Day	Session	Time	Speaker	Topic
<b>Monday, May 20</b>	<b>Session I Genetic Diversity &amp; Production Updates  Chair: Gerben de Jong</b>	<b>08:30</b>	M. Shaffer & SVN	Opening of Interbull Open Meeting
		<b>08:45</b>	P. van Raden	Breeding programs compared across countries, continents, and breeds using data from proven bulls and genotyped females
		<b>09:00</b>	T. Lawlor	Heritable variation in gene expression is the key to maximizing genetic gain and preserving genetic diversity with a properly designed breeding program.
		<b>09:15</b>	J.T. van Kaam	Next-Level Genomic Selection: Mitigating Inbreeding
		<b>09:30</b>	M. Stephen	Genetic trend in milk fat percent is highly responsive to the relative economic value of milk fat and milk protein in the NZ dairy industry.
		<b>09:45</b>	F.L. Guinan	Genetic parameters for daily milk weights in U.S. Holsteins using pen-based contemporary groups
		<b>10:00</b>	T. Pitkänen	Revision of random regression test-day model has improved genomic prediction for Nordic Red dairy cattle
<b>Monday, May 20</b>		<b>10:15</b>	X. WU	Analysis of Factors Affecting Daily Milk Yields: An Initial Case Study in an Automatic Thrice-Milking Farm



## International Bull Evaluation Service

INTERBULL is a permanent sub-committee of ICAR ([www.icar.org](http://www.icar.org))

<b>Monday, May 20</b>		<b>14:00</b>	J. Jenko	Simulating genetic progress for traits with expensive phenotyping
	<b>Session II</b>	<b>14:15</b>	N. Vargas Jurado	Estimation of variance components for clinical mastitis and somatic cell scores for the Nordic dairy cattle populations
	<b>New Traits</b>	<b>14:30</b>	F. Galluzzo	Genetic evaluation of differential somatic cell count in Italian Holstein
	<b>Chair: Daniele Vicario</b>	<b>14:45</b>	R.B. Stephansen	Genomic Prediction of Genetic Residual Feed Intake Integrating a Novel Energy Sink for Change in Body Reserves.
		<b>15:00</b>	J. Jamrozik	Alternative Residual Feed Intake (RFI) expressions in dairy cattle
		<b>15:15</b>	J. Heise	Breeding for feed efficiency in German Holsteins: the new RZFeedEfficiency

<b>Monday, May 20</b>	<b>Session III</b>	<b>16:00</b>	M. Schrauf	Cross-Validation Assessment of Random Regression Specifications in a Single-Step Genomic Model for Dry Matter Intake
	<b>New Traits</b>	<b>16:15</b>	G. Tarekegn	Using cow carcass weight to select efficient cows
		<b>16:30</b>	R. Kempe	Single-step genomic prediction models for metabolic body weight in Nordic Holstein, Red dairy cattle, and Jersey
	<b>Chair: Ezequiel Nicolazzi</b>	<b>16:45</b>	K.A. Bakke	Genetic correlations between daily dry matter intake, body weight and enteric methane in Norwegian Red dairy cows
		<b>17:00</b>	N. Mejer	Breeding for resilience in the Netherlands and Flanders



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	<b>17:15</b>	C. Manzanilla-Pech	Effect of heat stress on methane emissions of Dutch Holstein population
	<b>17:30</b>	N. Gengler	Next steps towards the development of a collaborative genomic evaluation system for residual methane production in Walloon Holstein cows

**Tuesday,  
May 21**

<b>08:30</b>	R. Bonifazi	Multi-breed multi-trait single-step genomic predictions for Holstein and Jersey including crossbred animals
<b>08:45</b>	D. Słomian	Differential handling of missing parents in genetic evaluation of dairy cattle using single step test day SNP-BLUP model
<b>09:00</b>	A. Legarra	Technical options for all-breed Single Step GBLUP for US dairy cattle

### Session IV: Single Step Methodology

**Tuesday,  
May 21**

<b>09:15</b>	H. Alkhoder	A weekly genomic evaluation of newly genotyped selection candidates based on a single-step genomic model
<b>09:30</b>	R. Rostellato	Genomic-free EBVs computed from Single-Step evaluations as proofs for MACE in France
<b>09:45</b>	Z. Liu	Guidelines for Approximating Genomic Reliabilities of the Single-Step Genomic Model
<b>10:00</b>	K. Stachowicz	Single-step evaluation for milking cow survival in Poland
<b>10:15</b>	A. Chegini	Improving single-step genomic prediction reliabilities for clinical mastitis in Nordic Red dairy cattle and Jersey by applying marker-specific weights

**Chair: Gert Pedersen  
Aamand**



**Tuesday,  
May 21**

**Session V: New  
Developments in  
genetic/genomic  
(inter)-national  
evaluation**

**Chair: Urs Schnyder**

**Tuesday,  
May 21**

<b>11:00</b>	H. Eding	Incorporation of external GEBV in the Dutch-Flemish dairy genetic evaluation
<b>11:15</b>	E.C. Ooi	Designing a Validation Application for Genetic and Genomic Evaluation Systems in the New Zealand Dairy Industry
<b>11:30</b>	R. Mota	Genomic validation software: USA update including truncated MACE
<b>11:45</b>	J. Himmelbauer	Modeling unknown parent groups or metafounders in single step genomic BLUP – results of a simulation study
<b>12:00</b>	B. Cuyabano	Genetic correlations: a parameter or a latent phenotype in genetic evaluations?
<b>12:15</b>	J. Vandenplas	Integration of foreign estimates of SNP effects into a single-step genomic evaluation
<b>12:30</b>	H. Kärkkäinen	SNP MACE for EuroGenomics countries
<b>12:45</b>	A. Nazari	PREP Database: Extension to Genomic Evaluation
<b>13:00</b>	M. Shaffer	Closing of Interbull Open Meeting