

Nordic Workshop in Dairy Cattle Genomics

Wednesday 26th and Thursday 27th of April at Park Inn Copenhagen

Aim: To give an overview of industry related research projects in the Nordic countries. This includes exchange of knowledge and coordination of collaboration

Target audience: Employees working in dairy cattle breeding from NAV, VG, LUKE, FABA, VÄXA, SLU, KU, SEGES and AU.

Wednesday 26th of April

12.00-12.40	Lunch	
12.40	Intro by Søren Borchersen VG	
12.45-14.15	Reproduction technologies (Henri Simonen VG)	
	Male fertility (Kasia Kupisiewicz VG)	20
	Embryo technologies (Jaana Peippo LUKE)	20
	Application in breeding scheme (Lars Nielsen & Johanne Aro VG)	30
	Male fertility evaluations using genomic information (Kaarina Matilainen)	20
14.15-14.25	Break	
14.25-15.40	Prediction (Chair Freddy Fikse)	
	Current challenges in NAV (Gert Pedersen Aamand NAV)	10
	Genomic evaluation of beef cattle (Elena Mouresan, SLU)	20
	Efficient solving of large SSGBLUP models (Ismo Strandén, LUKE)	20
	Genomics in herds2 Finland (Esa Mäntysaari, LUKE)	15
	Genomics in herds2 Denmark (Mogens Lund, AU)	15
15.40-16.10	Coffee break	
16.10-17.10	Efficiency (chair Esa Mäntysaari, LUKE)	
	Finnish results from FUNC (Martin Lidauer, LUKE)	20
	RFI results from FUNC (Bingjie Li, SLU/AU)	20
	First results of international data sharing on DMI (Jan Lassen VG)	20

17.10-17.45 Walk and talk discussions (groups will be distributed and the previous speakers will walk by each group for discussion)

17.45-17.55 Evaluation of day 1 (Anders Fogh, SEGES) 10

18.00 Dinner

19.00 Poul Hyttel, University of Copenhagen
"Oocyte development and fertilization in cattle"

Thursday 27th of April

8.00-9.20 **Milk genomics (Chair Mogens Lund)**
Genetic aspects of non coagulating milk
(Maria Glanz LUND & Sandrine Duchemin, SLU) 40
Fatty Acid data (Lars Peter Sørensen, SEGES) 20
Multitrait genomic analysis of milk proteins (Grum Gebreyas, AU/WAU) 20

9.20-10.00 coffee break

10.00-11.20 **Heterosis and inbreeding (Chair Gert Pedersen Aamand)**
Hurdles to obtain crossbreeding GEBVs (Mogens Lund, AU) 20
Review of breeding schemes (Christian Bengtson, NAV) 20
Crossbreeding in the breeding scheme (Morten Kargo SEGES, AU) 20
Genomic inbreeding (Jørn Rind Thomasen VG) 20

11.20-12.00 Sum up, discussion and evaluation of day 2 (A Fogh, SEGES & J Lassen VG) 40

12.00-13.00 Lunch