



October 8-10, 2012- Wageningen, The Netherlands

## Monday, October 8, 2012

**7:30 am- 8:30 am**      **Registration**

**8:30 am- 12:15 pm**      **Session Topic: Dairy cow/goat/sheep genomics and milk composition**

**Serial translocation via circular intermediates underlies color-sidedness in cattle**

*Michel Georges (keynote), University of Liège, Belgium*

**Genetic and isoform variability in relation to milk coagulation properties**

*Hanne Bak Jensen, Dept. of Food Science, Science and Technology, Aarhus University, Denmark*

**Genomic regions associated with both summer and winter bovine milk fatty acids**

*Aniek Bouwman, Wageningen University, The Netherlands (Student Travel Award Recipient)*

**Genetic relation between composition of bovine milk fat in winter and summer**

*Sandrine Duchemin, Wageningen University, The Netherlands*

**Genetic parameters for fatty acids in Danish Holstein cattle based on SNP markers using a Bayesian approach**

*Kristian Krag, Department of Molecular Biology and Genetics, Aarhus University, Denmark*

**DNA methylation and ncRNA transcription at a CSN1S1 regulatory region in the bovine mammary gland**

*Eve Devinoy, INRA, France*

**12:15 pm-1:15 pm**      **Lunch**

**1:30 pm - 5:30 pm**      **Session Topic: Milk composition and human health**

**The co-evolution of lactase persistence and dairying**

*Mark Thomas (keynote), University College London, UK*

**Milk miRNA information and lactation**

*Christophe Lefèvre, Deakin University, Australia*

**Opportunities for improving vitamin B12 content in bovine milk**

*Marleen Visker, Animal Breeding and Genomics Centre, Wageningen University, The Netherlands*

**Protection from childhood asthma and allergies by consumption of unprocessed cow's milk**

*Ericka von Mutius (keynote), Dr. Von Hauner Children's Hospital of the University of Munich, Germany*

**Growing a mammary gland: it's all about hormones**

*Anke Schennink, Department of Animal Science, University of California Davis, USA*

**Maternal obesity in the agouti viable yellow (Avy) mouse produces defective secretory activation that is associated with mammary inflammation and activation of adrenocorticosteroid-dependent gene expression.**

*Darryl Hadsell, Children's Nutrition Research Center, Baylor College of Medicine, USA*

**5:30 pm- 7:30**

**Poster Reception**

**Tuesday, October 9, 2012**

**8:30 am- 12:15 pm**

**Session Topic: Host-microbe interactions in the gastrointestinal tract**

**Post-genomic deciphering of host-microbe communication in the human intestine**

*Michiel Kleerebezem (keynote), NIZO food research & Wageningen University, Netherlands*

**Session Topic: Nutrigenomics: genomics in nutrition research**

**Nutrigenomics: The smart combination of genomics and molecular nutrition research to study metabolic health**

*Michael Müller (keynote), Wageningen University, Netherlands*

**Session Topic: Dairy cow/goat/sheep genomics and milk composition**

**Understanding the regulation of milk lipid synthesis and secretion**

*Jim McManaman (keynote), University of Colorado School of Medicine, USA*

**The extracellular matrix modulates asynchronous concurrent lactation in tammar wallaby (*Macropus eugenii*)**

*Stephen Wanyonyi, Deakin University, Australia (Student Travel Award Recipient)*

**Identification and functional characterization of a novel monotreme-specific antibacterial protein expressed during lactation**

*Swathi Bisana, Deakin University, Australia (Student Travel Award Recipient)*

**12:15 pm-1:15 pm**

**Lunch**

**1:30 pm- 5:30 pm**

**Session Topic: Dairy cow/goat/sheep genomics and milk composition (continuation of morning session)**

**Identification and quantification of milk synthesis and secretion related proteins in bovine milk using a proteomics approach**

*Jing Lu, Wageningen University, The Netherlands*

**Transcriptional modulation by abundant milk protein genes in the bovine mammary gland**

*Kristen Beck, University of California, Davis, USA (Student Travel Award Recipient)*

**Milk metabolite composition and its relation to nutritional and technological quality – A NMR metabolomic approach**

*Ulrik Sundekilde, Aarhus University, Denmark (Student Travel Award Recipient)*

**Session Topic: The rumen: a feed-deconstructing reactor fueling milk production and superintending its composition**

*Diego Morgavi (keynote), INRA, France*

**Session Topic: The Future Opportunities for Global Research Initiatives in Milk**

*Bruce German (keynote), University of California, Davis, USA*

**6:30 pm Busses to conference dinner at Castle Doorwerth (Sponsored by FrieslandCampina, STW, and CRV)**

## Wednesday, October 10, 2012

8:30 am- 12:15 pm

### Session Topic: Human milk

**Increasing our understanding on the role of Human milk on child development**

*Hans van Goudoever(keynote), VU University Medical Center, Amsterdam, Netherlands*

**RNA sequencing of the human milk fat globule transcriptome at three stages of lactation**

*Danielle Lemay, Genome Center, University of California Davis, USA*

**Digestomics of human milk proteins in term and premature infants: towards improved infant feeding**

*David Dallas, University of California, Davis, USA*

**Prediction of phenotypic milk parameters using FT-IR spectroscopy, variable selection and PLS regression – the overfitting issue**

*Carl Emil Eskildsen, Department of Food Science, University of Copenhagen, Denmark*

### Session Topic: Updates- milk genomics research

**Overview and results of PhenoFinlait, a large scale project for milk fat and protein composition analysis**

*Didier Boichard, INRA, France*

**The Swedish-Danish Milk Genomics Initiative: Variation in milk phenotypes, effect on milk properties and underlying genetic influence in three Scandinavian breeds**

*Lotte Bach Larsen, Department of Food Science, Aarhus University, Denmark*

12:15 pm- 1:15 pm

Lunch

12:15 pm

Poster Removal

1:30 pm

Adjourn