9th International Symposium

Milk Genomics & Human Health

October 8-10, 2012- Wageningen, The Netherlands

Poster Presentations

1) **Transcriptional modulation by abundant milk protein genes in the bovine mammary gland**
Kristen Beck, Genome Center, University of California Davis, USA (Student Travel Award)

2) **Identification and functional characterization of a novel monotreme-specific protein expressed during lactation**
Swathi Bisana, Junior Research Fellow (CCMB- Deakin University PhD program), Centre for Cellular and Molecular Biology, India (Student Travel Award)

3) **Genomic regions associated with both summer and winter bovine milk fatty acids**
Aniek Bouwman, Animal Breeding and Genomics Centre, Wageningen University, the Netherlands (Student Travel Award)

4) **Digestomics of human milk proteins in term and premature infants: towards improved infant feeding**
David Dallas, Department of Food Science, University of California at Davis, USA (Student Travel Award)

5) **Milk metabolite composition and its relation to nutritional and technological quality – A NMR metabolomic approach**
Ulrik Sundekilde, Department of Food Science, Science and Technology, Aarhus University, Denmark (Student Travel Award)

6) **The extracellular matrix modulates asynchronous concurrent lactation in tammar wallaby (Macropus eugenii)**
Stephen Wanyonyi, BioDeakin, Deakin University, Australia (Student Travel Award)

7) **Isolation of genetic variants of β-casein from bovine milk for structural and functional studies**
Pernille Andersen, Department of Food Science, Science and Technology, Aarhus University, Denmark

8) **Influence of αs1-/β-casein ratio on proteolysis and texture formation in rennet induced milk gels.**
Etske Bijl, Dairy Science and Technology Group, Wageningen University, The Netherlands

9) **What cell biology tell us about the formation/organization of casein micelles**
Eric Chanat, INRA, Jouy-en-Josas, France

10) **Genetic relation between composition of bovine milk fat in winter and summer**
Sandrine Duchemin, Wageningen University, The Netherlands

11) **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

12) **Analyses of milk protein genes using protein and DNA based methods and their associations to milk performance traits in East Friesian Dairy sheep**
Isabella Jasmin Giambra, Dept. of Animal Breedings and Genetics, Justus-Liebig-University, Germany

13) **Effect of polymorphisms in the leptin and leptin receptor genes on bovine milk composition and cheese characteristics**
Maria Glantz, Department of Food Technology, Engineering and Nutrition, Lund University, Sweden

14) **Effect of genetic protein variants on milk composition and protein profile in three Scandinavian breeds**
Frida Gustavsson, Department of Food Technology, Engineering and Nutrition, Lund University, Sweden

15) **Whole genome association scans for bovine chromosomal regions affecting rheology in rennet-induced milk gels**
Frida Gustavsson, Department of Food Technology, Engineering and Nutrition, Lund University, Sweden

16) **Genetic and isoform variability in relation to milk coagulation properties**
Hanne Bak Jensen, Dept. of Food Science, Science and Technology, Aarhus University, Denmark

17) **Effects of milk collection and processing methods on origin and integrity of RNA in milk**
Danielle Lemay, University of California Davis, USA

18) **An automated method to quantify milk fat globules and sources of RNA in milk**
Danielle Lemay, University of California Davis, USA

19) **Atlas of microRNA in the bovine mammary gland generated by high throughput sequencing: highlighting effects of nutrition and cattle specificities**
Fabienne Le Provost, INRA, France

20) **Deciphering the genetic variability of milk composition and quality in French dairy goats**
Cyrielle Maroteau, Toulouse Paul Sabatier, France

21) **Combining proteomics and transcriptomics to analyse goat milk during experimental infection with Staphylococcus aureus**
Patrice Martin, Institut National de la Recherche Agronomique (INRA), France

22) **Chemical composition of sheep's and goat's milk in Austria**
Helmut K. Mayer, BOKU – University of Natural Resources and Life Sciences, Department of Food Science & Technology, Food Chemistry Laboratory, Vienna, Austria

23) **Physico-chemical parameters of goat's milk from different breeds in Austria**
Helmut K. Mayer, BOKU – University of Natural Resources and Life Sciences, Department of Food Science & Technology, Food Chemistry Laboratory, Vienna, Austria

24) **The Immune-modulatory Potential of Novel Bio-Active Fractions Derived from Bovine Milk**
Maeve McArdle, University College Dublin, Ireland

25) **Lipidomic and cytokine biomarkers for the analysis of dairy meals and diets**
Barbara Meurer, Dairy Innovation Australia, Melbourne, Australia

26) **Antioxidant potential of genetic variants of bovine kappa-casein in cell-free and cell-based assays**
Bjorn Melin Nielsen, Department of Food Science, Science and Technology, Aarhus University

27) **The association of non-, poor and good coagulating milk with genetic milk protein variants in three Scandinavian dairy breeds**
Nina Aagaard Poulsen, Department of Food Science, Aarhus University, Denmark

28) **Estimating the wound healing ability of bioactive milk proteins using an optimized cell based assay**
Jan Trige Rasmussen, Protein Chemistry Laboratory, Department of Molecular Biology, University of Aarhus, Denmark

29) **Lactobacillus gasseri K7 modulates the blood cell transcriptome of conventional mice infected with Escherichia coli O157:H7**
Guy Vergeres, Agroscope Liebefeld-Posieux Research Station (ALP), Berne, Switzerland

30) **The effects of acute diet-induced milk fat depression on ruminal lipid metabolism and lipogenic gene expression in lactating cows**
Sirja Viitala, MTT Agrifood Research, Finland

31) **Comparison of characterization in the proteome of human and bovine milk**
Lina Zhang, Dairy Science and Technology group, Wageningen University, The Netherlands