

*Program
Mastitis Research Workers
Ghent, Belgium
August 7-8, 2014*

Diagnosis

- “IMI CNS 16S CNV-Analysis and importance of the copy number variation of the ribosomal RNA gene in coagulase-negative staphylococcus species isolated from intramammary infections.” Jeroen De Buck*
- “Culture Negative Mastitis Cases - defining etiology and outcomes.” Pamela Ruegg*
- “Challenges in microbiological diagnostics of mastitis.....” Satu Pyörälä*
- “Validation of ultrasonography of the mammary gland for detection of mastitis.”
..... Sheila Andrew*
- “Methods for detecting coagulase-negative staphylococci in heifers.”John Middleton*
- “Identification of Staphylococcus aureus genotype B among isolates collected from cases of subclinical bovine mastitis in the USA. “ Pamela Fry*
- “MALDI-TOF validation for CNS.”Marguerite Cameron*
- “Bacteriological etiology of mastitis in Finland.” Johanna Vakkamaki*
- “Using an infrared thermometer to predict mastitis in udder quarters.” Kristen Reyher*
- “Prevalence of bacterial genotypes and outcome of bovine clinical mastitis due to Streptococcus dysgalactiae and Streptococcus uberis.” Asa Lundberg*
- “Lactococcus lactis is a real problem for IMI.” Paolo Moroni*
- “Use of bulk milk to monitor herd MAP status.” Annabelle Beaver*
- “Speciation of coagulase-negative staphylococci from bovine mastitis using partial sequencing of cpn60.” Colleen Fitzpatrick*
- “Herd level factors explaining the presence of coagulase-negative staphylococci in bulk milk.”Anneleen De Visscher*
- “Evaluation of milk somatic cell count as indicator of quarters for bacteriological culturing of high somatic cell count cows.” Reshat Jashari*
- “Mastitis Detection.” Jeffrey Bewley*

Immunology

- “Biomarkers of low vs. high innate immune response phenotype.”David Kerr*
- “Mammary epithelial cells modulate their response to bacterial intruders” Pascal Rainard*
- “Adhesion and internalization of different staphylococci species into bovine mammary epithelial cells and their effect on the innate immune response.”
.....Fernando Nogueira de Souza*
- “Pathogen specific immune response of the mammary gland.” Olga Wellnitz*
- “Effects of ketone bodies on the mammary immune response.” Rupert Bruckmaier*
- “Effect of assay conditions on neutrophil chemotaxis.” Tanya Gressley*
- “Importance of dendritic cells in bovine mastitis.” Brianna Pomeroy*
- “Importance of NK cells in bovine mastitis.” Anja Sipka*
- “Effects of bovine leukemia virus infection on milk neutrophil function and the milk lymphocyte profile.”Alice Maria Melville Paiva Della Libera*
- “Staphylococcus aureus and immune modulation in the mammary gland.” Isis Kanevsky*
- “CXCR1 gene polymorphisms, neutrophils and udder health.”Joren Verbeke*

Treatment

- “Udder cleft dermatitis, hock lesions and mastitis.”Karin Persson Waller*
- “Dietary starch levels and the immunometabolic response of dairy cows during intramammary infection with Escherichia coli.”Kasey Moyes*
- “Milk prolactin response after experimental infection with different coagulase-negative staphylococci in dairy heifers.” Kristine Piccart*
- “A critical view on in vivo and in vitro infection models for mastitis research.”
..... Wolfram Petzl*
- “Herd level evaluation of udder health and economics when using selective dry cow therapy with different selection criteria on cow level.”Christian Scherpenzeel*
- “Staphylococcus aureus virulence factors.” Karin Artursson*

Treatment (continued)

- “Relationship between IMI acquisition and elimination during the dry period.”* Simon Dufour
- “Scenarios for selective dry cow treatment.”* Theo Lam
- “Efficacy of a novel treatment for Staphylococcus aureus mastitis.”* Christopher Luby
- “In vitro antimicrobial susceptibility of Mycoplasma bovis strains isolated from dairy cattle mastitis outbreak in Europe.”* Antonio Barberio
- “The use of antimicrobials on dairy farms in Flanders, Belgium.”* Marina Stevens

Management

- “Effect of intramammary infections with coagulase-negative staphylococci in early lactating dairy heifers on the quarter somatic cell count and quarter daily milk yield throughout first lactation.”* Dimitri Valckenier
- “Management practices associated with achieving low BMSCC & low incidence of clinical mastitis in Flemish dairy herds.”* Pieter Passchyn
- “Modeling the spread of intramammary infections within and between Swiss dairy herds.”* Bart van den Borne
- “Strategies to prevent and treat mastitis on Irish dairy farms in order to reduce antibiotic use on farms”* Niamh Ryan.
- “Differences in outcome depending on CNS species.”* Ann Nyman
- “Employee Education: The Weak Link?”* Ron Erskine
- “Southeast Quality Milk Initiative.”* Gina Pighetti
- “Distribution of coagulase-negative staphylococci in Canadian Dairy Herds.”* Herman Barkema
- “MALDI-ToF: Validation and Implications for Mastitis Research.”* Sandra Godden
- “Assessing liner teat interactions.”* John Penry
- “Quality assessment and changes in SCC and bacteria counts in PEI milk.”* Greg Keefe
- “Mycoplasma, Johnes disease, and BVD - bulk tank milk results over time in the U.S. Intermountain West.”* David Wilson

“Equivalence studies in teat disinfection.” Ynte Schukken