

FINAL SHOWCASE MEETING OF FARM ANIMAL PROTEOMICS

17TH – 18TH NOVEMBER 2014

PALAZZO LOMBARDIA, MILAN (AUDITORIUM TESTORI)

Monday November 17th, 2014

- 8.30 Registration and Welcome
- 9.00 Opening Ceremony- D. Eckersall
- 9.15.00 A. Urbani - Perspective in Comparative Proteomics Research

WG1 Proteomics in Animal Health.

Chairs: Romana Turk and Fabrizio Cecilian

- 10.00 J.D. Lippolis - Changes in the Proteome of Mastitis-causing Escherichia coli strains that Affect Pathogenesis.
- 10.45 L. Hernandez-Castellano - Colostrum protein uptake in neonatal lambs examined by descriptive LC-MS/MS
- 11.00 A.M. Santana - Proteomic investigation in milk whey from healthy and mastitis affected Jafarabadi buffaloes (*Bubalus bubalis*)
- 11.15 Coffee break and Poster Session
- 11.45 M. Kovacevic- Filipovic - Bovine LDL and HDL proteome in health and inflammatory state
- 12.00 M. Fuentes Rubio - Application of top-down proteomics in detecting biomarkers in porcine saliva samples
- 12.15 L. Criado - Proteomic characterization of molecular changes in saliva proteins in stressed pigs
- 12.30 D. Valent Lopez - Identification of welfare biomarkers in pigs using peripheral blood mononuclear cells (PBMCs) and differential gel expression (DIGE)

12.45 Lunch

WG2: Proteomics and Food of Animal Origin.

Chairs: Eموke Bendixen and Paola Roncada

14.00. J. Foster - A Search for Protein Biomarkers Links Olfactory Signal Transduction to Social Immunity

14.45 I. Alloggio - Bacterial competition for food safety in dairy products

15.00 C .Molette - Mule duck "foie gras" show different metabolic states according to their quality phenotypes by using a proteomic approach. Comparison of two statistical methods

15.15 M.F. Addis - Differential peptidomics of raw and pasteurized sheep milk cheese

15.30.00 Coffee break and Poster Session

16.00 A. Soggiu - The Grana Padano microbiota: insights from experimental caseification

16.15. D. Schrama - Supplemented diets for allergenic modulation in European seabass

16.30 E. Veisent -Kent - Protein changes in muscles with varying meat tenderness

19.30 Social Dinner at the Aquarium of Milano

Tuesday November 18th, 2014

8.30 Management Committee meeting

10.00 Coffee break and Poster Session

10.30 COST actions presentations: DAIRY CARE, ImpARAS, Epigenetics, The Future of COST actions

Special Session: Proteomics and Reproduction.

Chairs: Tiziana Brevini and Petra Zrimsek

11.15 L. Soler Vasco - Intact Cell MALDI-TOF MS: a male chicken fertility phenotypic tool

11.30 A. Sironen - Identification of novel protein interactions related to spermatid elongation

11.45 C. Piras - Proteomic analysis of different bovine epithelial cells phenotypes after E.coli LPS challenge

12.00 V. Greco - Proteome adaptation of boar semen during storage

12.15 Lunch and Parallel meeting with Cost office

WG3 Advancing Methodology for Farm Animal Proteomics.

Chairs Gabriel Mazzucchelli and Frederique Lisacek

14.00 S. Cristobal - Metaproteomic analysis, application to water quality assessment in aquaculture

14.45 J. Tournayre - Fat&MuscleDB: Integrating "omics" data from adipose tissue and muscle

15.00 I. Marcelino - PTM mapping of Ehrlichia ruminantium proteins using mass spectrometry: successful development of methods for the identification of glyco- and phosphoproteins

15.15 Coffee break and Poster Session

15.45 M. Mudaliar - Integrative label-free quantitative proteomics study in mastitis

16.00 A. Varela Coehlo - Proteomic profiling of the obligate intracellular bacterial pathogen Ehrlichia ruminantium outer membrane fraction

16.15 M. Palma - NMR for metabolomic tissue profiling in small ruminants: a tool for proteomics study complementation

16.30 Closing remarks D. Eckersall, A. M. de Almeida

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