

**COST Action FA1002  
Workshop on Proteomics in Biology  
University of Algarve**

**(This is a separate event that does not take place at the conference Hotel and requires a different registration\*)**

**Wednesday April 11<sup>th</sup> 2012**

9:00 – 9:15 Public presentation of Cost Action FA1002 (André de Almeida)

9:15 – 9:45 Proteomics in Biology (David Eckersall)

9:45 – 10:15 A,b,c of Proteomics (Ana Varela Coelho)

10:15 – 10:45 Proteome Informatics (Frederique Lisacek)

10:45 – 11:00 Coffee Break

11:00 – 11:20 Proteomics for targeting production traits in FA (EmØKe Bendixen)

11:20 – 11:40 Milk proteomics: perspectives and application in nutrition (Paola Roncada)

11:40 – 12:00 Proteomics in Aquaculture (Pedro Rodrigues)

12:00 – 12:20 Agronomic Research and Proteomics case studies in animal and plant sciences (André de Almeida)

12:20 – 12:30 Questions and Final Remarks

**Marina Hotel Vilamoura**

16:00 – 19:30 Registration

18:00 – 19:00 Wine reception at Hotel bar

\*Free registration at <http://www.ccmар.ualg.pt/home/index.php?id=1159>. Please be aware that this event takes place at the University of Algarve which is 1/2H away from the Hotel conference.

**COST Action FA1002**  
**Farm Animal Proteomics Spring Meeting 2012**  
**Programme of Working Group 1, 2 & 3 Meetings**

**Tivoli Marina Hotel, Vilamoura, Portugal**  
**Thursday 12<sup>th</sup> April 2012**

8:30 – 9:00 Opening Ceremony: Pedro Rodrigues, André de Almeida, David Eckersall

**9.00 WG1 Proteomics and Animal Health (Chairs: F. Ceciliani & R. Turk)**

9:00 – 9:30 Plenary – Jarlath Nally: The applications of proteomics to animal models of leptospirosis: In vivo veritas

9:30 – 10:00 Plenary – Mangesh Bhide: Protein synthesis pipelines for study of protein-protein interactions

10:00 – 10:30 Plenary – Isabel Marcelino: Tick-borne diseases in cattle: applications of Proteomics and the development of new generation vaccines

10:30 – 11:00 Coffee Break

11:00 – 11:15 – Steven Verhaegen - Changes in the Proteome of the H295R Steroidogenesis Model Associated with Exposure to the Mycotoxin Zearalenone and its Metabolites,  $\alpha$ - and  $\beta$ -Zearalenol

11:15 – 11:30 – Tatyana Vlaykova - The behaviour of ceruloplasmin as an acute phase protein in obese and infected rabbits

11:30 – 11:45 – Mark Braceland - Proteomics in Biomarker Detection and Monitoring of Pancreas Disease (PD) in Atlantic Salmon (*Salmo salar*)

11:45 – 12:00 – Michal Reichert - Proteins overexpressed in ovine pulmonary adenocarcinoma

12:00 – 12:15 – M. Faizal Ghazali - Biochemical and Proteomic Investigation of Bovine Nasal Secretion

12:15 – 12:45 Commercial Presentation – Thermo Fisher: Michaela Scigelova - Quantitation Approaches in Proteomics Using a Quadrupole-Orbitrap Mass Spectrometer

12:45 – 14:00 Lunch at Marina Hotel and poster viewing

**14:00 WG2 Proteomics and Animal Production (Chairs: Paola Roncada & Pedro Rodrigues)**

14:00 – 14:30 Plenary – Pedro Rodrigues - Assessing fish quality in Aquaculture: A proteomics approach

14:30 – 15:00 Plenary – Andrea Mozzarelli - From meat to food: the proteomics assessment

15:00 – 15:15 – Miguel Sentandreu - Peptidomics in Meat Science

15:15 – 15:20 – EuPA Presentation

15:20 – 16:00 Coffee Break

16:00 – 16:15 – Marinus te Pas - Proteomics Biomarkers for Pork Quality

16:15 – 16:30 – Avo Karus - IGF-1 Free Circulating Protein and its Gene-expression in Linseed-rich Diet Quail

16:30 – 16:45 – Emily O'Reilly - The plasma proteome and acute phase proteins of broiler chickens with gait abnormalities

16:45 – 17:00 – Alessio Soggiu - Proteomic analysis of cryoconserved bull sperm to enhance ERCR classification scores of fertility

17:00 – 17:15 Commercial Presentation – Bio-Rad: Dr. Stefan Lehr - 2-D Gel Electrophoresis entering the next level of reproducibility

17:15 – 18:30 – Poster Session

20:00 – 23:00 Conference Dinner at Aqvavit, Marina Vilamoura

### **Friday 13<sup>th</sup> April 2012**

08.30-09.30 FA1002 - MC Meeting

**9:30 WG3 Proteomics, mass spectrometry and Bioinformatics – Novel developments in Farm Animal Proteomics (Chairs: G. Mazzuchelli & F. Lisacek)**

9:30 – 10:00 Plenary – Jane Thomas-Oates - Dinosaurs and Other Farm Animals

10:00 – 10:30 Plenary – Ana V. Coelho: MS for the Veterinary and Farm Animal World

10:30 – 11:00 Plenary – Marcus Mau - Ruminant saliva – accessory proteins of homeostasis, olfaction and defence

11:00 – 11:15 Coffee Break

11.15 – 11.30 – Tomasso Serchi - Farm Animal Proteomics in Toxicological Studies: Useful Tool or Waste of Time? What to Learn from Rodent Studies

11:30 – 11.45 – Lorenzo Hernandez-Castellano - The effect of colostrum intake on blood plasma proteomic profiles of newborn lambs

11.45 – 12:00 – Tuula Nyman - Comparative Exoproteomics of Staphylococcus epidermidis of human and bovine origin to identify bacterial factors involved in adaptation into bovine host

12:00 – 12:15 – Susana Cristobal - Saliva proteomics: a tool for novel diagnosis for farm animal diseases from body fluids

12:15 – 14:00 Lunch at Marina Hotel

**14.00 WGs 1, 2 & 3 Proteomics, Animal Health and Production & Special Session on STSMs (Chairs: A Bassols & A. Almeida)**

14:00 – 14:30 Plenary – Pekka Vermanen - Proteomics of Foes and Friends Adapted to Milk Environment; Focus on Gram-Positive Bovine Mastitis Bacteria and Probiotics

14:30 – 15:00 Plenary – Andrea Urbani: Proteomics strategies to trace illegal growth-promoters in cattle

15:00 – 15:30 Plenary – Maria João Bebbiano - Pros and cons of using proteomics to assess the impact of contaminants in shellfish

15:30 – 16:00 Coffee Break

16:00 – 16:25 – William Mullen & Monika Johansen - Methodology and results of proteomic mapping into milk infected by *Streptococcus agalactiae*

16:30 – 16:45 – Laura Soler Vasco - Proteomic characterization of Serum Amyloid A protein in different porcine body fluids

16:45 – 17:00 – Christian Piras - Immunoreactive proteins of *Mycobacterium avium* subsp. *paratuberculosis*

17:00 – 17:15 – Jani Mavromati - Brucellosis and proteomics - an approach in Albania

17:15 – 17:30 – Laura Restelli - Proteomic analysis of visceral and subcutaneous adipose tissue in goats

17:30 – 18:00 Closing Remarks David Eckersall

**POSTER SESSIONS:** Posters will be on continuous display throughout the meeting. A Specific poster session will take place on the 12<sup>th</sup> from 17:45 to 18:30 when authors are asked to stay by their poster to answer questions by the audience.