

WP2 publications (February 2017)

Piras C, Guo Y, Soggiu A, Chanrot M, Greco V, Urbani A, Charpigny G, Bonizzi L, Roncada P, Humblot P. Changes in protein expression profiles in bovine endometrial epithelial cells exposed to *E. coli* LPS challenge. *Mol Biosyst.* 2017 Jan 31; 13(2):392-405. doi: 10.1039/c6mb00723f.

Ntallaris T, Humblot P, Båge R, Sjunnesson Y, Dupont J, Berglund B. Effect of energy balance profiles on metabolic and reproductive response in Holstein and Swedish Red cows. *Theriogenology.* 2017 Mar 1; 90:276-283. doi: 10.1016/j.theriogenology.2016.12.012.

Chanrot M, Guo Y, Dalin AM, Persson E, Båge R, Svensson A, Gustafsson H, Humblot P. Dose related effects of LPS on endometrial epithelial cell populations from dioestrus cows. *Anim Reprod Sci.* 2017 Feb; 177:12-24. doi: 10.1016/j.anireprosci.2016.12.002. PubMed PMID: 27939589.

WP2 Conference presentations/posters given

Guo et al., 2015. Changes in protein expression profiles in bovine endometrial epithelial cells (BEEC) following *E Coli* liposaccharide challenge. *Reprod Fert. Dev.* (Abstr. 159). Full paper planned in 2016

Guo et al., 2015. Changes in gene expression following exposure of bovine endometrial epithelial cells (BEEC) to *E Coli* liposaccharide. In proceedings of the EPICONCEPT conference, Hersonissos. Abstr. O-23, p34. Full paper planned in 2016

Paola Roncada, Cristian Piras, Alessio Soggiu, Viviana Greco, Guo Yongzhi, Patrice Humblot Effects of LPS Stimulation in Bovine Uterine Epithelial Cells Model. In 14th Human Proteome Organization World Congress (HuPO) Sept 27-30 2016, Vancouver, Canada

C. Piras, A. Soggiu, J. Dupont, V. Greco, P. Humblot, A. Urbani, L. Bonizzi, P. Roncada DIFFERENCE ENERGY BALANCE IN CATTLE MODULATE ADIPOSE TISSUE PROTEOME. in 9th Annual EuPA Congress, June 23rd-28th 2015, Milano ISBN 978-88-7959-877-4

C. Piras, A. Soggiu, V. Greco, Y. Guo, L. Bonizzi, A. Urbani, P. Humblot, P. Roncada Cattle subfertility and bacterial infection: uterine epithelial cells response after LPS exposure Proteomic Forum 2015, 22 - 25 March 2015 – Technical University Berlin (Germany)

C. Piras, A. Soggiu, G. Yongzhi, P. Humblot, I. Alloggio, M. De Canio , A. Urbani, L. Bonizzi, P. Roncada Proteomic study of bovine endometrial cell stimulated with LPS pp.176-176. In 13th Human Proteome Organization World Congress: the proteome quest to understand biology and disease 5-8 October, Madrid

Cristian Piras, Yongzhi Guo, Alessio Soggiu, Viviana Greco, Andrea Urbani, Luigi Bonizzi, Patrice Humblot, Paola Roncada Proteomic analysis of different bovine epithelial cells phenotypes after *E.coli* LPS challenge, Oral communication, 4th Meeting of COST Action FA1002 17-18 Nov 2014, Milano, Italy

Cristian Piras, Alessio Soggiu, Yongzhi Guo, Patrice Humblot, Luigi Bonizzi, Andrea Urbani, Paola Roncada Role of infection in reproduction: bovine endometrial cell model Italian Proteomics Association, 9 Annual National Conference, Napoli. 24th-27st June 2014

Piras C, Guo Y, Roncada P, Soggiu A, De Canio M, Urbani A, Bonizzi L, Humblot P Proteomic responses associated to proliferation phenotypes of uterine epithelial cells after challenge with E.coli Epigenetics and periconception environment. Proceedings of the EPICONCEPT Workshop 2014: Epigenomic toolbox, from methods to models. 07-09 May 2014, Las Palmas, Spain

WP2 planned publications

Diot M et al, 2016. Expression of adipokines and several lipid metabolism actors in adipose tissue and granulosa cells during lactation in dairy cows. Full paper planned in 2016

Mellouk N. Influence of energy balance on adipokine plasma secretion and adipose tissue expression of adipokines in dairy cows. Full paper planned in 2016