



**SMARTER SESSION
EAAP Annual Meeting
Theatre Session 61**

SMARTER: small ruminants breeding for efficiency and resilience

Friday 4th December - 9 am - 12.15am

Chair: Carole Moreno Romieux (INRAE Project coordinator) - Joanne Conington (SRUC – WP2 leader)

9:00 - Genetic resistance to a gastro-intestinal parasite in young sheep weakly effective during peripartum

F. Douhard, S. Aguerre, A. Corbishley, T.N. McNeilly, D. Marcon, J.-L. Weisbecker, L. Bordes, P. Jacquet and C. Moreno-Romieux

9:15 - Genetic evaluation systems and breeding programs in sheep and goats: an international perspective

L.F. Brito, D. Berry, H. Larroque, F.S. Schenkel, G. Ciappesoni, A. O'Brien, F. Tortereau, E. Ugarte, I. Palhiere, B. Bapst, J. Jakobsen, G. Antonakos, A. Kominakis, V. Clement, G. Bruni, V. Loywyck, E. Massender, H.R. Oliveira, J. Posta and J.M. Astruc

9:30 - Milk transcriptome analysis identifies genes and pathways affecting feed efficiency in dairy ewes

M. Franco, P.G. Toral, C. Esteban, B. Gutiérrez-Gil, G. Hervás, J.J. Arranz, P. Frutos and A. Suárez-Vega

9:45 - Identification of homozygous haplotype compromising fertility traits in dairy sheep

M. Ben Braiek, S. Fabre, C. Hozé, J.M. Astruc and C. Moreno-Romieux

10:00 - Identification of QTL for body reserves in meat sheep

T. Macé, E. González-García, J. Pradel, C. Durand, S. Douls, S. Parisot and D. Hazard

10:15 - On the accuracy of estimating resilience

M. Ghaderi-Zefreh, V. Riggio, O. Matika, A. Doeschl-Wilson and R. Pong-Wong

10:30 - Development of a genomic test-day model and correlations with robustness traits in French goats

M. Arnal, V. Ducrocq, C. Robert-Granié and H. Larroque

10:45 Coffee break

11:00 - Meta-analysis of genetic parameters for resilience and efficiency traits in goats and sheep
F. Tortereau, S. Mucha, R. Rupp and J. Conington

11:15 - Potential exists to improve ewe mothering ability and lamb vigour through breeding
A.C. O'Brien, N. McHugh, T. Pabiou and D.P. Berry

11:30 - Genetic parameters for VIA-derived muscle, bone and fat weights in Texel-sired crossbred lambs

A. Tolkamp, J. Conington, J. Yates, E. Smith, J. Draper, N. Clelland and N. Lambe

11:45 - Association between feed efficiency and methane emissions, performance and health in Merino sheep

I. De Barbieri, E.A. Navajas, D. Giorello, J.I. Velazco, G. Banchemo, B. Rodríguez, F. Rovira and G. Ciappesoni

12:00 - Detection of unrecorded environmental challenges and genetic determinism of resilience in lambs

C.A. Garcia-Baccino, C. Marie-Etancelin, F. Tortereau, D. Marcon, J.L. Weisbecker and A. Legarra