



Thursday June 7th. Oral. Pathogenomics and Map Biology

1. Characterizing the Membrane Vesicle Proteome of *Mycobacterium avium* ssp. paratuberculosis. Lucy Mutharia
2. On the use of Whole Genome Sequencing to unveil local spread of a paratuberculosis clone within a single herd. Matteo Ricchi
3. Bovine Intestinal Model Reveals MAP K10 Attenuation Relative to Field Isolate. Antonio Facciolo
4. Evaluation of a Map mutant in bovine BMDM and in a mouse model, and new methods for *M. avium* subspecies paratuberculosis mutagenesis. María de la Paz Santangelo
5. *Mycobacterium avium* subsp. paratuberculosis: in vitro interaction with and bovine sperm cells. Isis Espeschit
6. Whole genome sequence comparisons of IS900 RFLP type S1 isolates from New Zealand sheep to a completely sequenced Telford reference genome. Marian Price-Carter
7. Assessment of *Mycobacterium avium* subsp. paratuberculosis Viability Using Flow Cytometry. Timothy Secott
8. Transcriptome analysis of ileum tissues from *Mycobacterium avium* ssp. paratuberculosis infected cows reveals important genes and pathways for Johne's disease. Nathalie Bissonnette
9. Host gene expression signature of immune-regulatory genes in whole blood of cattle with subclinical infection of *Mycobacterium avium* subsp. paratuberculosis. Han Sang Yoo

Thursday June 7th. Poster. Pathogenomics and Map Biology

1. Studies on the 'host biomarkers' for the genetic susceptibility to *Mycobacterium avium* paratuberculosis infection in human patients suffering from abdominal disorders in India, using real-time based reverse transcription PCR. Saurabh Gupta
2. Patho-molecular studies on paratuberculosis in buffaloes (*Bubalus bubalis*) in Malwa region of Madhya Pradesh. Gayaprasad Jatav
3. MAP3773c a Zur protein: biochemical analysis and regulatory function in the Zinc regulon of *Mycobacterium avium* subsp. paratuberculosis. Bertha Landeros Sanchez



14th INTERNATIONAL COLLOQUIUM OF PARATUBERCULOSIS

RIVIERA MAYA, MEXICO, JUNE 4th-8th, 2018



International Association for
Paratuberculosis

4. Deciphering the virulence and interaction of *Mycobacterium avium* subsp. paratuberculosis (Map) isolates with animal host macrophages using mathematical models. Marta Alonso-Hearn
5. Natural transmission of *Mycobacterium avium* subsp. paratuberculosis from a mixed breed Boer goat to a Vietnamese pot-bellied pig. Lucy R. Hancock
6. Liver transcriptome and network analyses reveal genes and biological processes affected by *Mycobacterium avium* ssp. paratuberculosis infection. Nathalie Bissonnette