



ORAL COMMUNICATIONS

THURSDAY. JUNE 7th

Section 3. Pathogenomics and Map biology.

8:00- 10:10 Foro Iberoamericano (By invitation)

10:30-11:15 **Lecture. Dr Jeroen De Buck (Canada): “Recent developments in pathogenomics to understand Map (*Mycobacterium avium* subsp. *paratuberculosis*) pathogenesis and Diagnose Johne's disease”.**
Moderator: Victoria E. Castrellón Ahumada

11:15-11:30 Coffee break

Oral Session. Moderators: Karen Stevenson & Adel Talaat (11:30-13:00)

11:30- 11:45 **3.1 ON THE USE OF WHOLE GENOME SEQUENCING TO UNVEIL LOCAL SPREAD OF A PARATUBERCULOSIS CLONE WITHIN A SINGLE HERD.** Matteo Ricchi¹, Simone Russo¹, Erika Scaltriti², Simone Leo¹, Luca Bolzoni².

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11:45- 12:00 **3.2 EVALUATION OF A MAP MUTANT IN BOVINE BMDM AND IN A MOUSE MODEL, AND NEW METHODS FOR M. AVIUM SUBSPECIE PARATUBERCULOSIS MUTAGENESIS.** María de la Paz Santangelo¹, Mariana Viale¹, Alejandra Colombatti¹, Natalia Alonso¹, William Davis², María Isabel Romano¹.

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12:00-12:15 **3.3 MYCOBACTERIUM AVIUM SUBSP. PARATUBERCULOSIS: IN VITRO INTERACTION WITH AND BOVINE SPERM CELLS.** Isis Espeschit¹, Ana Carolina Silva Faria¹, Daniel Mendonça de Araújo Lima¹, Breno Soares Camilo¹, David Germano Gonçalves Schwars¹, Mariana Barros¹, Sanely Lourenço da Costa¹, Maria Aparecida Scatamburlo Moreira¹.

¹Universidade Federal de Viçosa.

12:15-12:30 **3.4 ASSESSMENT OF MYCOBACTERIUM AVIUM SUBSP. PARATUBERCULOSIS VIABILITY USING FLOW CYTOMETRY.** Timothy Scott¹, Marina Buciuç¹.

¹Minnesota State University, Mankato

12:30-12:45 **3.5 TRANSCRIPTOME ANALYSIS OF ILEUM TISSUES FROM MYCOBACTERIUM AVIUM SSP. PARATUBERCULOSIS INFECTED COWS REVEALS IMPORTANT GENES AND PATHWAYS FOR JOHNE'S DISEASE.** Nathalie Bissonnette¹, Duy N. Do¹, Pier-Luc Dudemaine², Eveline M. Ibeagha-Awemu¹.

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12:45-13:00 **HOST GENE EXPRESSION SIGNATURE OF IMMUNE-REGULATORY GENES IN WHOLE BLOOD OF CATTLE WITH SUBCLINICAL INFECTION OF MYCOBACTERIUM AVIUM SUBSP. PARATUBERCULOSIS.** Han Sang Yoo¹, Hyun-Eui Park¹, Hongtae Park¹, Young Hoon Jung².

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**14th INTERNATIONAL
COLLOQUIUM OF PARATUBERCULOSIS**
RIVIERA MAYA, MEXICO, JUNE 4th-8th, 2018



International Association for
Paratuberculosis

13:00-14:30 Lunch time

14:30-15:15 **Lecture. Ramón A. Juste Jordan (Spain): "Chronic regional intestinal inflammatory disease: A walk through the species".**
Moderator: Victoria E. Castrellón Ahumada

15:15-15:30 Coffe break

15:30- 16:10 "Richard S. Merkal Award"
Moderator: Scott Wells

DETECTION OF MARKER-SPECIFIC IMMUNE RESPONSES IN CALVES AGAINST A NOVEL MARKED MAP PARENT VACCINE STRAIN. Lucy Luo¹, Jeroen De Buck¹.
¹University of Calgary

PREVALENCE OF MYCOBACTERIUM AVIUM SUBSP. PARATUBERCULOSIS ACROSS CANADA, BASED ON ENVIRONMENTAL SAMPLING. Caroline S. Corbett¹, S. Ali Naqvi¹, Cathy Bauman² Jeroen De Buck¹, Karin Orsel¹, David F. Kelton², Herman W. Barkema.
¹University of Calgary
²University of Guelph

16:10 -17:00 Poster session

17:00-18:00 General Meeting (only Delegates)

18:00-18:15 Group Photography