



## ORAL COMMUNICATIONS

**WEDNESDAY JUNE 6<sup>th</sup>**

### **Section 2. Map Control Programs and Epidemiology.**

8:00- 8:45 **Lecture. Dr. Richard Whittington (Australia): “International Control Programs for Paratuberculosis who, how and why?”**  
**Moderator: Victoria E. Castrellón Ahumada**

**1<sup>st</sup> Oral Session. Moderators: Judy Stabel & Joseba Garrido (8:45-10:45)**

8:45- 9:00 **2.1 ASSIGNMENT OF MAP TYPE C STRAINS FROM GERMANY TO GLOBAL PHYLOGENETIC MAP GROUPS.** Petra Moebius<sup>1</sup>, Heike Koehler<sup>1</sup>.  
<sup>1</sup>Institute of Molecular Pathogenesis, Friedrich-Loeffler-Institut, Jena.

9:00- 9:15 **2.2 BREEDING FOR RESISTANCE AGAINST PARATUBERCULOSIS: HIGH GENETIC CORRELATION BETWEEN ANTIBODY RESPONSE AND FAECAL SHEDDING.** Lydia C.M. de Haer<sup>2</sup>, Gerben de Jong<sup>1</sup>, Maarten F. Weber<sup>2</sup>.  
<sup>1</sup>CRV Arnhem, the Netherlands  
<sup>2</sup>GD Animal Health, Deventer, the Netherlands.

9:15- 9:30 **2.3 ECONOMIC IMPACT OF CONTROL OPTIONS FOR JOHNE’S DISEASE IN CANADA.** Philip Rasmussen<sup>1</sup>, Zhaoxue Ci<sup>1</sup>, David Hall<sup>1</sup>.  
<sup>1</sup>University of Calgary.

9:30-9:45 **2.4 AN EFFECTIVE CONTROL PROGRAM USING A POOLED FAECAL REAL-TIME PCR ASSAY IN HERDS WITH JOHNE’S DISEASE.** Satoko Kawaji<sup>1</sup>, Reiko Nagata<sup>1</sup>, Akiko Mita<sup>1</sup>, Makoto Osaki<sup>1</sup>, Yasuyuki Mori<sup>1</sup>.  
<sup>1</sup>National Institute of Animal Health, NARO

9:45-10:00 **2.5 A WEB BASED PARATUBERCULOSIS RISK ASSESSMENT AND MANAGEMENT SYSTEM FOR DAIRY FARMERS.** Dick Sibley BVSc HonFRCVS<sup>1</sup>, Pete Orpin BVSc MRCVS<sup>1</sup>.  
<sup>1</sup>Park Vet Group



10:00-10:15. **2.6 FIELD VALIDATION OF DIVA ASSAY FOR INACTIVATED PARATUBERCULOSIS VACCINE.** Sujata Jayaraman<sup>1</sup>, Mukta Jain<sup>1</sup>, Kundan Kumar Chaubey<sup>2</sup>, S. V. Singh<sup>2</sup>, G. K. Aseri<sup>1</sup>, Jagdip Singh Sohal<sup>1</sup>.

<sup>1</sup>Amity Institute of Microbial Technology, Amity University Rajasthan, Jaipur, India.

<sup>2</sup>Microbiology Laboratory, Central Institute for Research on Goats, Mathura, India

10:15- 10:30 **2.7 PROTECTIVE LIVE ATTENUATED AND NANO-VACCINES AGAINST JOHNE'S DISEASE.** Adel M. Talaat<sup>1</sup>, Akanksha Thukral<sup>1</sup>, Chungyi Hansen<sup>1</sup>, Kathleen Ross<sup>2</sup>, Balaji Narasimhan<sup>2</sup>.

<sup>1</sup>University of Wisconsin-Madison.

<sup>2</sup>Iowa State University

10:30-10:45 **2.8 MYCOBACTERIUM AVIUM SSP. PARATUBERCULOSIS (MAP) MOLECULAR DIVERSITY IN LATIN AMERICA AND THE CARIBBEAN: A SYSTEMATIC REVIEW.** Nathalia M Correa-Valencia<sup>1</sup>, Miguel Hernández-Agudelo<sup>1</sup>, Jorge A Fernández-Silva<sup>1</sup>.

<sup>1</sup>Centauro, Escuela de Medicina Veterinaria, Facultad de Ciencias Agrarias, Universidad de Antioquia, Colombia

10:45-11:00 Coffee break

**2nd Oral Session. Moderators: Vivek Kapur & Nicola Pozzato (11:00-12:15)**

11:00 -11:15 **2.9 PHYLOGENETIC ANALYSIS AND EPIDEMIOLOGIC MODELING OF THE EFFECT OF MYCOBACTERIUM AVIUM SUBSP. PARATUBERCULOSIS GENOTYPE ON MILK PRODUCTION ON THREE MINNESOTA DAIRY FARMS.**

Scott Wells<sup>1</sup>, Jonah Cullen<sup>1</sup>, Yuanyuan Wang<sup>1</sup>, Juan Abrahante<sup>1</sup>, Fernanda Shoyama<sup>2</sup>, Srinand Sreevatsan<sup>2</sup>.

<sup>1</sup>University of Minnesota.

<sup>2</sup>Michigan State University



11:15 -11:30 **2.10 LONG TERM RESULTS OF AN EXPERIMENTAL VACCINATION TRIAL IN DAIRY CATTLE.** Joseba M. Garrido<sup>1</sup>, Natalia Elguezabal, Ramón A. Juste<sup>2</sup>, Miriam Serrano, María V. Geijo, Elena Molina, Iker A. Sevilla.

<sup>1</sup>Neiker-Instituto Vasco de Investigación y Desarrollo Agrario. Departamento de Sanidad Animal, Derio, Bizkaia, Spain.

<sup>2</sup>Serida, Servicio Regional de Investigación y Desarrollo Agroalimentario de Asturias, Villaviciosa, Asturias, Spain.

11:30 – 11:45 **2.11 ARE CATTLE INFECTED WITH MULTIPLE STRAINS OF MAP? A NEW COMPUTATIONAL METHOD TO DETECT FROM WHOLE GENOME SEQUENCING DATA.** Yuanyuan Wang<sup>1</sup>, Scott J. Wells<sup>1</sup>.

<sup>1</sup>University of Minnesota, Twin Cities

11:45-12:00 **.12 Mycobacterium avium subsp. paratuberculosis detection in wild rabbits from southern Spain.** Natalia Elguezaba<sup>1</sup>, Elena Molina<sup>1</sup>, Rakel Arrazuria<sup>1</sup>, Iker A Sevilla<sup>1</sup>, Mariví Geijo<sup>1</sup>, Christian Gortazar<sup>2</sup>, Miguel Fuertes<sup>3</sup>, Valentín Pérez<sup>3</sup>, Ramón Juste<sup>1</sup>, Joseba M Garrido<sup>1</sup>.

<sup>1</sup>NEIKER-Instituto Vasco de Investigación y Desarrollo Agrario, Animal Health Department, Derio, Bizkaia, Spain.

<sup>2</sup>SaBio, Instituto de Investigación en Recursos Cinegéticos IREC (CSIC-UCLM-JCCM), Ciudad Real, Spain.

<sup>3</sup>Department of Animal Health, Faculty of Veterinary Medicine, University of León, Spain

12:00 – 12:15 **2.13 PRACTICAL EXPERIENCES IN DELIVERING A COMMERCIALLY DRIVEN NATIONAL JD PROGRAM IN THE UNITED KINGDOM.** Pete Orpin<sup>1</sup>, Richard Sibley<sup>1</sup>.

<sup>1</sup>Westridge Veterinary Group

12:15 – 14:00 Poster session

14:00– 15:00 Lunch time

15:00 Afternoon Free