

Timetable of 9ICP

| Date and Time | Event |
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| 2007/10/28 (Sun) *Registration only. | |
| 13:00-17:00 | Registration (in front of room 401 on the 4th floor of EPOCHAL) |
| 13:00-17:00 | IAP board committee meeting (Meeting room 401 on the 4th floor of EPOCHAL) |
| 17:30 | IAP board committee and LOC member meeting. |
| 2007/10/29 (Mon) 1st day | |
| 9:30-17:00 | Registration (in front of Main Convention Hall, EPOCHAL 2F) |
| 10:30-12:30 | Welcome brunch  |
| 13:00-13:30 Opening Session (Main Convention Hall) | |
| 13:00-13:15 | Opening Remarks: Dr. Michael T. Collins (President of IAP) |
| 13:15-13:30 | Welcome address: Dr. Toshiaki Taniguchi (Director General of NIAH, Honorary President of 9ICP) |
| 13:30-14:30 Lecture by invited speakers (1) (Main Convention Hall) | |
| | Special lecture 1: Regulation of innate immune responses. Prof. Kiyoshi Takeda |
| 14:30-15:00 | Coffee break  |
| 15:00-17:30 Session A: Pathogenesis and immunology (Main Convention Hall) | |
| Chairperson: Victor PMG Rutten, Judith Stabel | |
| 15:00-15:30 | Key note speech: (1A-O1) Modulation of cytokine expression and lymphocyte subsets during the periparturient period in dairy cows naturally infected with <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> . Elizabeth L Karcher* , Donald C Beitz, Judith R Stabel (*JDIP award) |
| 15:30-16:00 | Richard Merkal award: (6A-O2) Association between Two Polymorphisms in the Bovine CARD15/NOD2 Gene and Paratuberculosis Infection in Florida Dairy and Beef Cattle. PJ Pinedo , CD Buergelt, R. Wu, GA Donovan, JE Williams, PG Melendez, L Morel, and DO Rae |
| 16:00-16:12 | (8A-O3) Susceptibility to paratuberculosis is associated with functionally relevant single nucleotide polymorphisms in bovine Toll-Like Receptor 2. Ad Koets , Hanneke Mertens, Daphne Oostenrijk, Marijke Keestra, Marije Overdijk, Peter Franken, Adrie Frijters, Victor Rutten |
| 16:12-16:24 | (12A-O4) Mechanisms used by MAP to impair CD40-mediated IL-12p40 and iNOS gene expression in bovine monocyte-derived macrophages. Sandra Sommer* , Christopher J Colvin, Paul M Coussens (*JDIP award) |
| 16:24-16:36 | (15A-O5) Immunization with a Novel Map74F Fusion Protein Protects Mice against <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> Challenge. Kumanan Kathaperumal, Li-Hsuen Chen, Ching-Juo Huang, Sean P. McDonough, Susan Stehman, Bruce Akey, John Huntley, Chao-Fu Chang, John Bannantine and Yung-Fu Chang |
| 16:36-16:48 | (16A-O6) New proposed immunopathological model for paratuberculosis in ruminants. Maria V. Geijo, Elena Molina, Iker Sevilla, Felix Bastida, Joseba M. Garrido, Ramon A. Juste |
| 16:48-17:00 | (22A-O7) <i>Mycobacterium paratuberculosis</i> Under Stress: What Should the Bacteria Do? Adel M. Talaat |
| 17:00-17:12 | (33A-O8) Biofilm and Virulence of <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i>. Chia-wei Wu , Shelly K Schmolter, Adel M Talaat |
| 17:12-17:24 | (34A-O9) <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> enters intestinal mucosa through M cells and there is difference in the uptake across the ileal and jejunal mucosal epithelial cells in lamb. Ponnusamy Duraisamy, Bhupendra Nath Tripathi , Sivakumar Periasamy, Amar Pal |


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| Date and Time | Event |
|--|---|
| 2007/10/30 (Tue) 2nd day | |
| 9:00-10:00 Lectures by invited speakers (2-3) (Main Convention Hall) | |
| 9:00-9:30 | Special lecture 2: Role of pro-inflammatory cytokines in motility disorders in intestinal inflammation. Prof. Hiroshi Ozaki |
| 9:30-10:00 | Special lecture 3: Specialist APCs in Peyer's patches: impact of environmental cytokines on T cell immunity. Noriko M Tsuji, Akemi Kosaka, Tadaomi Kawashima(Natliona Institute of Advanced Industrial Science and Technology (AIST)) |
| 10:00-10:30 | Coffee break  |
| 10:30-12:00 Session B(1): Diagnostic Methods, approaches and Quality Assurance (Main Convention Hall) | |
| Chairperson: Claus Buergelt, Ramon A. Juste | |
| 10:30-11:00 | Key note speech: (75B-O1) Real-time PCR testing of pooled (1:5) fecal samples comparison to HEYM culture. R.H. Whitlock, B.L. Mangold, S. McAdams, T. Fyock, R. Sweeney , Y. Schukken, J. Smith, J. Van Kessel, E. Hovingh; J. Karns, D. Wolfgang, T. Johnson. |
| 11:00-11:12 | (43B-O2) Evaluation of Different Organism Based Methods for the Detection and Identification of Mycobacterium avium subspecies paratuberculosis from Bovine Feces. Janet B. Payeur and Randal T. Capsel |
| 11:12-11:24 | (42B-O3) Can the detection rate of faecal shedders of MAP be increased by optimising the time point of faecal sampling? Franziska Gierke, Mario Ziller, Heike Uta Köhler |
| 11:24-11:36 | (40B-O4) Culture of M. paratuberculosis from Blood. Katrina Bower , Doug Begg, Lyrissa Di Fiore, Deborah Taylor, and Richard Whittington |
| 11:36-11:48 | (76B-O5) Nested Polymerase Chain Reaction for the Detection of Mycobacterium avium subspecies paratuberculosis in Bovine Allantoic Fluid and Fetuses. Claus D.Buergelt , J. Elliot Williams, Joshua H. Decker and Gilles Monif. |
| 11:48-12:00 | (89B-O6) Proteomic Analysis for Biomarkers for Johne's Disease in Sheep Serum by SELDI-TOP Mass Spectrometry. Ling Zhong , Deborah L. Taylor, Richard J. Whittington |
| 12:00-12:30 | Lunch break  |
| 12:30-22:30 | Study tour |

Timetable of 9ICP

| Date and Time | Event |
|---|--|
| 2007/10/31 (Wed) 3rd day | |
| 9:00-10:30 Session B (2) : Diagnostic methods and quality assurance (Main Convention Hall) | |
| Chairperson: Gregers Jungersen, Raymond W. Sweeney | |
| 9:00-9:30 | Key note speech: (46B-O7) A review of diagnostic accuracies of ELISA and faecal culture in cattle. <u>Søren Saxmose Nielsen</u> , Nils Toft |
| 9:30-9:42 | (84B-O8) Results from interferon gamma testing, ELISA testing, bacteriological and pathological examination in a Norwegian goat herd with naturally acquired paratuberculosis. <u>Kari Røste Lybeck</u> , Mette Valheim, Berit Djønnne, Liv Sølvørød, Nils Leine, Ingrid Olsen |
| 9:42-9:54 | (68B-O9) Interference of intradermal tuberculin tests on the serodiagnosis of paratuberculosis in cattle. Renato Vargas, Carla Marassi, Walter Oelemann, <u>Walter Lilenbaum</u> |
| 9:54-10:06 | (55B-O10) Development of a novel enzyme-linked immunosorbent assay for the diagnosis of Johne's disease. <u>Shigetoshi Eda</u> , Yumiko Kaneko, Mary C. Scott, Adam J. Branscum |
| 10:06-10:18 | (69B-O11) Detection of <i>Mycobacterium avium paratuberculosis</i> antibodies in bovine serum using a conductometric biosensor. <u>Chika C Okafor</u> , Daniel L Grooms, Evangelyn C Alocilja |
| 10:18-10:30 | (67B-O12) Comparative proteomic analysis of mycobacterial tuberculins and identification of <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> antigens with diagnostic potential. <u>Wiebren Santema</u> , Marije Overdijk, Judith Barends, Jeroen Krijgsveld, Victor Rutten, Ad Koets |
| 10.30-11.00 | Coffee break  |
| 11:00-12:30 Session C: Molecular biology (Main Convention Hall) | |
| Chairperson: Lucy Mutharia, Norma Arrigoni | |
| 11:00-11:30 | Key note speech: (95C-O1) A molecular biological approach to producing a live vaccine for paratuberculosis. <u>Geoffrey W de Lisle</u> , Gabriella M. Scandurra, May Young, Sonia M. Cavaignac, Desmond M. Collins |
| 11:30-11:42 | (96C-O2) Techniques for allelic exchange in <i>Mycobacterium paratuberculosis</i>. <u>Desmond M Collins</u> , May Young |
| 11:42-11:54 | (97C-O3) Large Sequence Polymorphisms in <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> (MAP) vaccine strains revealed by MAPAC microarray analysis. <u>Tim John Bull</u> , Richard Anthony Linedale, Nicola Dierkes, John Hermon-Taylor, Kate Gould, Phillip Butcher, Jason Hinds |
| 11:54-12:06 | (101C-O4) Genetic Association Study between Bovine NRAMP1 and CARD15 Genes & Infection by <i>M. a. paratuberculosis</i>. <u>Otsanda Ruiz</u> , Carmen Manzano, Mikel Iriondo, Joseba Garrido, Ramon A. Juste, Andone Estonba |
| 12:06-12:18 | (104C-O5) Draft genome sequence of an ovine <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> isolate. <u>Michael L Paustian</u> , Vivek Kapur, Srinand Sreevatsan, John P Bannantine |
| 12:18-12:30 | (108C-O6) Survival, dormancy and the proteome of <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> during the stress response to hypoxia and nutrient starvation. <u>Sanjeev Gumber*</u> , Deborah L Taylor, Ian B Marsh, Richard J Whittington (*JDIP award) |

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| 12:30-14:00 | Lunch Break  |
| 14:00-15:30 9ICP Special Symposium (Main Convention Hall) | |
| Chairperson: John Bannantine (NADC) | |
| | S1. The Johne's Disease Integrated Program: A new research frontier of the West. Dr. Vivek Kapur (University of Minnesota) |
| | S2. JDIP Interactions - Tangible Results. Dr. John Bannantine (NADC) |
| | S3. Paratuberculosis Tools. Dr. Douwe Bakker (CIDC Lelystad) |
| | S4. New Zealand JD consortium. Dr. Frank Griffin (University of Otago) |
| 15:30-16:00 | Coffee break  |
| 16:00-17:30 Session D: National control program (Main Convention Hall) | |
| Chairperson: Jeannette McDonald, Ivo Pavlík | |
| 16:00-16:30 | Key note speech: (113D-O1) Education for veterinarians and producers as part of the national control program. J McDonald , EA Horn, E Patton, MT Collins |
| 16:30-16:42 | (121D-O2) Paratuberculosis control programme by faecal culture in cattle and other ruminants in the Czech Republic in the years 1992-2006. Pavlik I. , Parmova I., Lamka J., Rozsypalova Z., Beran V., Tesinska I., Kralik P., Kralova A. |
| 16:42-16:54 | (123D-O3) Results of the Dutch bulk milk quality assurance programme for paratuberculosis. Maarten F. Weber , Gerdien van Schaik, Hilmar J. van Weering |
| 16:54-17:06 | (129D-O4) Industry and government partnerships - an alternate model for national disease control programs. Lorna Citer , Nicholas Keatinge, David John Kennedy |
| 17:06-17:18 | (117D-O5) Experimental control program for paratuberculosis in dairy cattle in the Veneto region. Nicola Pozzato , Elisabetta Stefani, Massimo Bottazzari, Nicola Benini, Fabrizio Cestaro, Gastone Passarini, Gaddo Vicenzoni |
| 17:18-17:30 | (131D-O6) Present approach to Johne's disease control in Japan and the feature of its incidence. Sota Kobayashi , Toshiyuki Tsutsui, Takehisa Yamamoto, Akiko Nishiguchi |
| 18:00-20:00 | Poster Session with light meal |


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| Date and Time | Event |
|---|---|
| 2007/11/1 (Thu) 4th day | |
| 9:00-10:30 Session E(1): Epidemiology and control strategies (Main Convention Hall) | |
| Chairperson: Ivo Pavlík, J. M. Sharp | |
| 09:00-09:30 | Key note speech: (174E-O1) Recovery in advance clinical cases of Johne's disease in naturally infected goats using a highly efficacious indigenous vaccine made from novel Indian strain of <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> 'Bison type'. (This oral presentation will include the posters: No.10A, 11A, 47B, 78B, 98C, 99C, 106C, 142E, 144E, 173E, 175E, and 176E) S.V.Singh, P.K.Singh, A.V.Singh, J.S.Sohal |
| 09:30-09:42 | (132E-O2) Review of prevalences of paratuberculosis in farmed animals in Europe. Søren Saxmose Nielsen, Nils Toft |
| 09:42-09:54 | (138E-O3) Seroprevalence of bovine paratuberculosis in dairy cattle herds in the Mexico-U.S. border area in Baja California, Mexico. Sawako Hori-Oshima, Luis Armando Campos-Barba, Jose Francisco Moreno-Rosales, Tomas Benjamin Renteria-Evangelista, Gilberto Lopez-Valencia, Alfonso De la Mora, Armando Corral-Madrid |
| 09:54-10:06 | (148E-O4) Epidemiological survey of <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> isolates in Europe. Karen Stevenson, Linda May, Susan Denham, Ian Heron, Lucia de Juan, Julio Alvarez, Gerald Friedrich Gerlach, Karen Dohmann, Ivo Pavlik, Marketa Kopečna, Peter Willemssen, Douwe Bakker, Virginie Thibault, Franck Biet, Alastair Greig |
| 10:06-10:18 | (155E-O5) In utero infection of cattle with <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i>. Richard J. Whittington, Peter A. Windsor |
| 10:30-11:00 | Coffee break  |
| 11:00-12:30 Session E(2): Epidemiology and control strategies (Main Convention Hall) | |
| Chairperson: Michael T. Collins, Ramon A. Juste | |
| 11:00-11:30 | Richard Merkal award: (158E-O6) Bayesian methods for assessing genetic similarity and familial aggregation of paratuberculosis in beef cattle of unknown pedigree. Jason B Osterstock, Geoffrey T Fosgate, Noah D Cohen, James N Derr, and Allen J Roussel |
| 11:30-11:42 | (159E-O7) Effects of infection by <i>Mycobacterium avium paratuberculosis</i> on fertility of dairy cows. Clara Marcé, François Beaudéau, Nathalie Bareille, Henri Seegers, Christine Fourichon |
| 11:42-11:54 | (160E-O) Association between Johne's Disease Milk ELISA Test Result and Milk Production and Breed in Canadian Dairy Cows. Ulrike Silvia Sorge, David Francis Kelton, William Sears |
| 11:54-12:06 | (169E-O9) Preliminary evaluation of a field trial on the use of vaccination in dairy cattle farms with paratuberculosis. Joseba M. Garrido, Elena Molina, Maria V. Geijo, Jose Mari Plazaola, Iker Sevilla, Ramon A. Juste |
| 12:06-12:18 | (171E-O10) Johne's disease vaccination: a valuable tool in managing Johne's disease. Elisabeth Patton, Barbara Knust, Darlene Konkle, Jeff Bohn, and Scott Wells |
| 12:20-14:00 | Lunch break  |

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|--------------------|--|
| 14:00-15:30 | Session F: Public health (Main Convention Hall) Chairperson: Michael T. Collins, David Kennedy |
| 14:00-14:30 | Key note speech: (177F-O1) <i>Mycobacterium Paratuberculosis</i> and Crohn's Disease: That's What Epidemiology is All about. Eran, A. Raizman |
| 14:30-14:42 | (178F-O2) High prevalence of <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> (MAP) DNA in the blood of healthy human blood donors and the effect of treatment with chronic antiMAP antibiotic therapy in patients with Inflammatory Bowel Disease (IBD). Juste RA , Greenstein RG, Elguezal N, Garrido JM, Pavon A, Geijo MV, Sevilla I, Cabriada JL, Tejada A, García-Campos F, Berriatua E, Casado R, Ochotorena I, Izeta A |
| 14:42-14:54 | (181F-O3) Association of <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> with Type-1 diabetes, a possible trigger. Leonardo A Sechi , Valentina Rosu, Daniela Paccagnini, Sara Salza, Adolfo Pacifico, Niyaz Ahmed, Stefania Zanetti |
| 14:54-15:06 | (185F-O4) Is <i>M. avium</i> subspecies <i>paratuberculosis</i> (MAP) the cause of multiple "autoimmune" and "inflammatory" diseases in man? Inferences from the antiMAP activity of methotrexate, 6-MP, 5-ASA and thalidomide, on MAP in culture. Robert John Greenstein , Lyia Su, Sheldon T Brown |
| 15:06-15:18 | (183F-O5) The effect of chemical and physical stress factors on <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i>. Beran V. , Devlieghere F, Uyttendaele M., Rajkovic A., Smigic N., Pavlik I. |
| 15:18-15:30 | (182F-O6) Thiopurine drugs (azathioprine and 6-mercaptopurine) inhibit <i>Mycobacterium paratuberculosis</i> growth in vitro. Michael T. Collins , Sung-Jae Shin |
| 15:30-16:00 | Coffee break  |
| 16:00-17:00 | Session G: Future directions (Main Convention Hall) Chairperson: David Kennedy, Eiichi Momotani |
| 16:00-16:30 | Lecture by invited speakers (4): Paratuberculosis (<i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i>) : OIE international standards. Dr. Tomoko Ishibashi and Dr. Gideon Brückner (World Organization for Animal Health (OIE), Paris) |
| 16:30-17:00 | Key note speech: (191G-O1) Proposed International Guidelines for Experimental Challenge Models for Johne's Disease. Raymond W. Sweeney , Murray E Hines II, Judith R Stabel |
| 18:00-20:30 | Congress Dinner (Multi purpose Hall (1F)) |

2007/11/2 (Fri) 5th day

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|-------------|---|
| 9:00 | Closing session (Main Convention Hall) |
| 10.00-10.30 | Coffee break  |
| 10:30-11:30 | IAP general meeting (Main Convention Hall) |
| 13:00 | |