Differences in in vitro sensitivity and accumulation of anthelmintics in Trichuris suis and Oesophagostomum dentatum
Hansen, Tina Vicky Alstrup; Nejsum, Peter; Friis, Christian; Olsen, Annette; Thamsborg, Stig Milan

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## CONFERENCE PROGRAMME

### MONDAY 26 AUGUST

#### OPENING SESSION
- **Official Welcome to Country**
- **Premier's Address and other VIPs**
  - Chair: Andrew Thompson
  - WAAP: The 50th anniversary in 2013 – history, achievements and future perspectives
    - Johannes Eckert
    - University of Zurich
  - Veterinary parasitology in Australia – a short history
    - Brown Besier
    - Department of Agriculture and Food Western Australia
  - Veterinary parasitology in Australia – a short history
    - Ian Beveridge
    - University of Melbourne

<table>
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<tr>
<th>Time</th>
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<tr>
<td>8.15-10.00</td>
<td>OPENING SESSION</td>
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<td>Official Welcome to Country</td>
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<td>10.00-10.30</td>
<td>Morning tea</td>
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#### PLENARY SESSION: ONE HEALTH
- **One world health: socioeconomic burden and parasitic disease control priorities**
  - Paul Torgerson
  - University of Zurich
  - One world health: whose world, whose health?
  - Yaowalark Sukthana
  - Mahidol University

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<th>Time</th>
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<tr>
<td>10.30-11.45</td>
<td>PLENARY SESSION: ONE HEALTH</td>
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<td>One world health: socioeconomic burden and parasitic disease control priorities</td>
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<td>One world health: whose world, whose health?</td>
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<td>Yaowalark Sukthana</td>
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<td>Mahidol University</td>
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</table>
11.45-13.00  COMMERCIAL LIVESTOCK - GENERAL  
Room: Riverside Theatre  
Chair: Peter Rolf

- Achieving veterinary guided parasite control for sustainable veterinary practice  
  Rod Churchill  
  Crosswell Veterinary Hospital

- Echinococcus spp. in northern North America  
  Emily Jenkins  
  University of Saskatchewan

- Age-related patterns of infection for an invasive fly in tree-ranging wildlife  
  Stephanie Godfrey  
  University of Lethbridge

- Helminth - getting more out of helminth transcriptomes  
  Stelans Mangiopa  
  The University of Melbourne

- The repeatability of FEC of horses and pigs as animal models for blastocystosis  
  Miriam Scheuerle  
  Ludwig-Maximilians-Universität

- Investigating the suitability of dogs and pigs as animal models of Trichinellosis  
  Weng Wang  
  The University of Queensland

11.45-12.00  GASTROINTESTINAL PARASITES  
Room: Meeting Room 5  
Chair: Michael Smout

- Lungworms in muskoxen in Norway - a potential threat with warmer climate?  
  Inger Hammers  
  Norwegian Veterinary Institute

- The Angiostephyra vasa transcriptome provides deep insights into the parasite's biology and immunology, and prospects for new interventions  
  Brendan Arnell  
  University of Melbourne

- Genetic evaluation of lambs subjected to a targeted selective anthelmintic regime  
  Lincoln University

- Treatment of equine gastric habronemiasis with moxidectin  
  Rolf K. Schuster  
  Central Veterinary Research Laboratory

- Parasite contamination of sandpits in public parks and playgrounds in Korea  
  Hee-Jeong Youn  
  Seoul National University

12.00-12.15  GASTROINTESTINAL PARASITES  
Room: Meeting Room 1  
Chair: Emily Jenkins

- The repeatability of FEC of horses and pigs as animal models for blastocystosis  
  Miriam Scheuerle  
  Ludwig-Maximilians-Universität

- Investigating the suitability of dogs and pigs as animal models of Trichinellosis  
  Weng Wang  
  The University of Queensland

- The impact of nematode and protozoan parasites on animal and wildlife systems  
  Brendan Arnell  
  University of Melbourne

- Efficacy of ivermectin, pyrantel and fenbendazole treatments against Fasciola hepatica in sheep?  
  Nadeen Rafeeq  
  IDELE, French Livestock Institute

- Macroparasite burden resistance in sheep with Neospora caninum throughout southern Australia  
  Josephine Ng-Hublin  
  Murdoch University

- A cryptosporidiosis swimming pool associated outbreak in Kimberley, Western Australia  
  Josephine Ng-Hublin  
  Murdoch University

- Differences in in vitro sensitivity and accumulation of anthelmintics in T-cells of cattle and sheep  
  David Heath  
  DNA Investments Ltd

- The benefits of using FIDELIS® for targeted anthelmintics  
  A/Prof Peter Nejsum  
  A/Prof Peter Nejsum

12.15-12.30  GASTROINTESTINAL PARASITES  
Room: Meeting Room 2  
Chair: Stephanie Godfrey

- Lungworms in muskoxen in Norway - a potential threat with warmer climate?  
  Inger Hammers  
  Norwegian Veterinary Institute

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12.30-12.45  GASTROINTESTINAL PARASITES  
Room: Meeting Room 3  
Chair: Emily Jenkins

- The impact of nematode and protozoan parasites on animal and wildlife systems  
  Brendan Arnell  
  University of Melbourne

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12.45-13.00  GASTROINTESTINAL PARASITES  
Room: Meeting Room 6  
Chair: Stephanie Godfrey

- The impact of nematode and protozoan parasites on animal and wildlife systems  
  Brendan Arnell  
  University of Melbourne

- Efficacy of ivermectin, pyrantel and fenbendazole treatments against Fasciola hepatica in sheep?  
  Nadeen Rafeeq  
  IDELE, French Livestock Institute

- Macroparasite burden resistance in sheep with Neospora caninum throughout southern Australia  
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  A/Prof Peter Nejsum  
  A/Prof Peter Nejsum

13.00-13.15  GASTROINTESTINAL PARASITES  
Room: Meeting Room 8  
Chair: Robert Oskam

- Functional characterisation of S. mansoni egg-accreted protein using lentivirus-delivered microRNA  
  Bert van Kaam  
  University of Melbourne

- A performance based targeted anthelmintic treatment regime for gastrointestinal parasites  
  Robijn Mulder  
  Lincoln University

- Equine strongyle egg re-appearance period after nematode or moxidectin treatment in Italy, the Netherlands and Belgium  
  Donald Trevor  
  University of Tasmania

- Differences in in vitro sensitivity and accumulation of anthelmintics in T-cells of cattle and sheep  
  David Heath  
  DNA Investments Ltd

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<tr>
<td>13.00-14.00</td>
<td>Lunch</td>
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<tr>
<td>14.00-15.15</td>
<td>AC/AH - PARASITE CONTROL AND LIVESTOCK PRODUCTION IN S.E. ASIA</td>
<td>Room: Riverside Theatre Chair: Douglas Gray</td>
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<td></td>
<td>PARASITES AND CLIMATE CHANGE</td>
<td>Room: Meeting Room 1 Chair: Tommy Leung</td>
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<td>ONE HEALTH - CRYPTOSPORIDIUM AND GIARDIA</td>
<td>Room: Meeting Room 2 Chair: Una Ryan</td>
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<td>ECOLOGY AND EPIEMIOLOGY - LIVESTOCK</td>
<td>Room: Meeting Room 3 Chair: David Emery</td>
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<td>PARASITE ZOONOSES AND TROPICAL MEDICINE</td>
<td>Room: Meeting Room 4 Chair:Santiago Max-Corra</td>
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<td>SCYNEXIS - THE INNOVATIVE SOLUTIONS FOR PARASITICIDE DRUG DISCOVERY</td>
<td>Room: Meeting Room 5 Chair: Karina Powell</td>
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<td>COMMERCIAL LIVESTOCK - CATTLE</td>
<td>Room: Meeting Room 6 Chair: Brenda Newton</td>
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<td>INTERNATIONAL COMMISSION ON TRICHINELLOIS</td>
<td>Room: Meeting Room 7 Chair: Arih Gajadhar</td>
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<td>14.00-14.15</td>
<td>Epidemiology, impact and benefits of control, and vectors of some affecting livestock in Mindanao, Philippines: Alan Dargantes Central Mindanao University</td>
<td>Room: Meeting Room 7 Chair: Santiago Mas-Coma</td>
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<td>More rapid and severe disease outbreaks for aquaculture at the tropic implications for food security Tommy Leung University of New England</td>
<td>Room: Meeting Room 7 Chair: Santiago Mas-Coma</td>
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<td>14.15-15.30</td>
<td>Helminth control in Malaysia: Dealing with anthelmintic, resistance Chaudhary, S./Panchadcharam postgraduate (both Malaysia)</td>
<td>Room: Meeting Room 8 Chair: Brenda Newton</td>
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<td>Effects of climate change regarding survival and selection pressure of cattle parasites on pasture Friederike Kropp-Laatze University of Bielefeld</td>
<td>Room: Meeting Room 8 Chair: Brenda Newton</td>
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<td>Assessing calves as carriers of Cryptosporidium and Giardia with zoonotological risk for dairy and beef farms within a water catchment area: Heranenri Ayewariwenna University of Melbourne</td>
<td>Room: Meeting Room 8 Chair: Brenda Newton</td>
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<td>14.30-14.45</td>
<td>Epidemiology of strongyle infections in small ruminants in three management systems in Malaysia: Rehana Sani University of Malysia</td>
<td>Room: Riverside Theatre Chair: Douglas Gray</td>
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<td>Reduction in greenhouse gas emissions associated with sustainable worm control/ lamb Philip Jakes Murdoch Research Institute</td>
<td>Room: Riverside Theatre Chair: Douglas Gray</td>
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<td>14.45-15.00</td>
<td>Trichinella in pigs and humans in northern Laos: James Conlan Murdoch University</td>
<td>Room: Riverside Theatre Chair: Douglas Gray</td>
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<td>Review of geo-spatial sampling methods for parasite ecology and epidemiological studies Guy Henrichs Asia GIS</td>
<td>Room: Riverside Theatre Chair: Douglas Gray</td>
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<td>Molecular prevalence of Cryptosporidium infection in Graded Mural outbreaks in Andhra Pradesh state, India Ravipati Venu B.V. Veterinary University</td>
<td>Room: Riverside Theatre Chair: Douglas Gray</td>
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<td>15.00-15.15</td>
<td>Zoonotic parasite transmission within a remote northern Laos vilage - implications for control and the one health concept Amanda Ash Murdoch University</td>
<td>Room: Riverside Theatre Chair: Douglas Gray</td>
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<td>Integrating host, parasite, climate, and management: global change and gastrointestinal nematodes Hannah Rose University of British</td>
<td>Room: Riverside Theatre Chair: Douglas Gray</td>
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<td>15.15-15.45</td>
<td>All-Risk tea</td>
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PLENARY SESSION  COMPANION ANIMALS: CHALLENGES FOR THE FUTURE

Chair: Robin Gasser

Future challenges for parasitology; vector control and one health in the Americas
Susan Little
Oklahoma State University
Future challenges for parasitology; vector control and one health in Europe
Horst Mercks
Bayer - Germany

Future challenges for parasitology: vector control and one health in the Americas
Susan Little
Oklahoma State University
8.30-9.45

Future challenges for parasitology: vector control and one health in Europe
Norbert Mencke
9.45-10.00

TUESDAY 27 AUGUST

10.15-11.30
GENETIC IMMUNITY
Room: Riverside Theatre
Chair: Dieter Palmer

VECTOR BORNE DISEASE - TRYPANOSOMES
Room: Meeting Room 1
Chair: Annette Dougall

PARASITES IN THE TROPICS
Room: Meeting Room 2
Chair: James Coman

DRUG DISCOVERY NATURAL PRODUCTS
Room: Meeting Room 3
Chair: Peter Holdsworth

10.15-10.30
Gastro-intestinal parasite species change in response to selection in thrips/lygus/Metopolophium Dirhodum

John Karlsson
Dep. Agric. & Food NRA

The prevalence of the African grasshopper (Thysanotus wauri) as a vector of Trypanosoma evansi in Nigeria

Maxwell Opere
Federal University of Technology

Prevalence of Gastro-intestinal helminths and Coccidia in Indigenous Chicken from different agro-climatic zones in Kenya

Lydia Helen Kutina
Ain Kapatia University of Agriculture and Technology

Direct anthelmintic effects of purified hexacyclidic extract against coccidiosis: preliminary results with Coopera Loxosceles

Andrew Williams
University of Copenhagen

10.30-10.45
Variation and High Linkage Dose polymorphism among OVAR-DRB1, DQA1 and DQB1 isoforms in cattle

Nur Mahita Bld Isa
University of Glasgow

Trypanosoma diversity in cattle and bats and their implication for zoonotishelminthes in Tanzania

Ivoen Malilo
Twelve + Trypanosomiasis Research Institute

Activity of extracts from Cassia grandis gynema (Fabaceae) against the cattle tick, Rhipicephalus microplus resistant to acaricides

Jose Alberto Rosado-Agudelo
Universidad Autonoma De Yucatan

10.45-11.00
Functional investigation of a QTL region affecting resistance to Haemonchus contortus in sheep

Philippe Jacques
Veterinary School of Toulouse, France

Identification of the tick (Ixodes hexagonus) as the vector for Trypanosoma evansi in sheep

Julie Austin
Murdoch University

Evaluation of Dry Season Supplementary Feed Ration on Productivity and Parasites/Diseases of Ixodes hexagonus Cattle in Tanzania

Aiyotha Malekudzini
University of Edinburgh

Effect of condensed tannins in gastrointestinal nematodes of sheep under grazing conditions in Uruguay

Ayodie Majiedu
National Research Institute For Agriculture (NIA)

11.00-11.15
Morphological polymorphism of Trypanosoma evansi copepods in a comparative in vitro study with the pathogenic Trypanosoma cruzi

Craig Thompson
Murdoch University

Prevalence of gastrointestinal parasitosis in human, dogs and pigs living in anadigal in Camarillo, California

Margarita van Keulen
Department of Veterinary Disease Biology

Stock of cattle for control of nematode parasites of livestock

Lucio Kus Orthopediscus
CSIRO Animal, Food and Health Sciences

Parasites of introduced freshwater fish species in Morroko Bacon Margarita van Keulen Orthopediscus

Embracing the importance of travel history and clinical awareness: Cases of canine klebothiosis in Australia

Peter Ivan
Murdoch University

11.15-11.30
Breeding for brake strike resistance in Merino sheep

Johan Grellt
Department of Agriculture and Food WA

Infection kinetics and drug susceptibility of the Australian Trypanosoma evansi in mice with the pathogenic Trypanosoma cruzi

Adriana Blero
Murdoch University

Zoontic parasite research in the Caribbean

Laureana Kneesk
Rosa University School of Veterinary Medicine

Nematodical activity of medicinal plants of southern areas against Haemonchus contortus in sheep

Farhana Chaudhry
Central Queensland University

11.40-12.40
ORAL POSTER SESSION

A walk on the wild side

Chair: Susan Katz

Bite me! - ectos as parasites

Chair: Malcolm Knox

No and wonderful in Parasitology

Chair: John Dalton
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<tr>
<th>Time</th>
<th>Session Title</th>
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<td>13:30-14:45</td>
<td><strong>DRUG RESISTANCE SMALL - Worms</strong></td>
<td>Room: Riverside Theatre</td>
<td>Chair: Roger Pritchard</td>
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<td>Can combination anthelmintics be used once resistance to multiple actives has developed?</td>
<td>Room: Meeting Room 1</td>
<td>Rebecca Trab</td>
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<td>Results of a nationwide coccidiosis survey using a simple, one-tube assay for the simultaneous detection and diagnosis of the ten Australian Eimeria of chicken, Rosemund Sobiec, DAPT, QLD Government</td>
<td>Room: Meeting Room 1</td>
<td>Anja Jachsmann</td>
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<td>13:30-14:45</td>
<td><strong>DIAGNOSTICS - APOCOMPLEXA</strong></td>
<td>Room: Meeting Room 1</td>
<td>Christian Epe</td>
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<td>Recent Coccidian spp. distribution information in northern Europe</td>
<td>Room: Meeting Room 1</td>
<td>Ryan O’Handley</td>
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<td>Antti Oksanen, Finnish Food Safety Authority Eeva</td>
<td>Room: Meeting Room 1</td>
<td>Aaron Jex</td>
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<td>13:30-14:45</td>
<td><strong>DOG AND CAT PARASITES 1</strong></td>
<td>Room: Meeting Room 1</td>
<td>Edwin Clarebout</td>
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<td>Haemon uptake in Schistosoma mansoni, Toh Shi Qin</td>
<td>Room: Meeting Room 1</td>
<td>Roger Pritchard</td>
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<td>Queensland Institute of Medical Research, University College Dublin</td>
<td>Room: Meeting Room 1</td>
<td>Rebecca Traub</td>
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<td>13:30-14:45</td>
<td><strong>DRUG DISCOVERY</strong></td>
<td>Room: Meeting Room 1</td>
<td>Ian Scott</td>
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<td>The PadSCo (Parasitology Summer Course), an EVPC residential practical course in the heart of the Mediterranean Sea</td>
<td>Room: Meeting Room 1</td>
<td>James Corian</td>
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<td>Andrew Chrysaftidis</td>
<td>Room: Meeting Room 1</td>
<td>Kathryn McRae</td>
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<td>13:30-14:45</td>
<td><strong>TEACHING WORKSHOP</strong></td>
<td>Room: Meeting Room 1</td>
<td>Roger Pritchard</td>
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<td>The genome and transcriptome of Haemonchus contortus: a key model parasite for drug and vaccine discovery</td>
<td>Room: Meeting Room 1</td>
<td>Edwin Clarebout</td>
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<td>Roz Luing, University of Glasgow</td>
<td>Room: Meeting Room 1</td>
<td>Roger Pritchard</td>
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<td>13:30-14:45</td>
<td><strong>FUNCTIONAL GENOMICS 2</strong></td>
<td>Room: Meeting Room 1</td>
<td>Edwin Clarebout</td>
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<td>Haemonchus contortus genome and development/hisporitome</td>
<td>Room: Meeting Room 1</td>
<td>Roger Pritchard</td>
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<td>Paul Korhonen, University of Melbourne</td>
<td>Room: Meeting Room 1</td>
<td>Roger Pritchard</td>
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<td>13:30-14:45</td>
<td><strong>IMMUNOLOGY GENERAL</strong></td>
<td>Room: Meeting Room 1</td>
<td>Edwin Clarebout</td>
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<td>Immune responses of sheep against Oestrus ovis (Dipylidium Destilidum)</td>
<td>Room: Meeting Room 1</td>
<td>Roger Pritchard</td>
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<td>associated gastrointestinal nematode infection</td>
<td>Room: Meeting Room 1</td>
<td>Roger Pritchard</td>
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<td>Bruno Silva, Universidade De Paredes Caldenense</td>
<td>Room: Meeting Room 1</td>
<td>Roger Pritchard</td>
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<td>13:45-14:00</td>
<td>Lunch</td>
<td>Room: Riverside Theatre</td>
<td>Sponsored by Novartis Animal Health</td>
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<td>14:00-14:15</td>
<td><strong>ONE HEALTH 3</strong></td>
<td>Room: Meeting Room 8</td>
<td>Chair: Susan Katz</td>
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<td></td>
<td>Four cases of total toxoplasmosis in three species of endangered New Zealand birds</td>
<td>Room: Riverside Theatre</td>
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<td>Laryssa Hove, Massey University</td>
<td>Room: Riverside Theatre</td>
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<tr>
<td>14:00-14:15</td>
<td><strong>DRUG RESISTANCE SMALL - Ruminants</strong></td>
<td>Room: Riverside Theatre</td>
<td>Chair: Roger Pritchard</td>
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<td></td>
<td>Lack of efficacy of monoparatam against Teladorsagia circumcincta and Tichelostoma botuliforma</td>
<td>Room: Meeting Room 1</td>
<td>Ryan O’Handley</td>
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<td>Ian Scott, Massey University</td>
<td>Room: Meeting Room 1</td>
<td>Aaron Jex</td>
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<td></td>
<td>Advanced studies on coccidian parasites of cattle, Muhammad A. El-Selly, Kalfas &amp; Erb University</td>
<td>Room: Riverside Theatre</td>
<td>Roger Pritchard</td>
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<tr>
<td>14:00-14:15</td>
<td>The efficacy of a topically applied 10% imidacloprid + 2% febantel (Advocate, Advantage Multi® Bayer) against immature and adult Spirocerca lupi worms in experimentally infected dogs</td>
<td>Room: Riverside Theatre</td>
<td>Roger Pritchard</td>
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<td>Andrew Hannah, University of Melbourne</td>
<td>Room: Riverside Theatre</td>
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<tr>
<td>14:00-14:15</td>
<td><strong>FUNCTIONAL GENOMICS 3</strong></td>
<td>Room: Riverside Theatre</td>
<td>Roger Pritchard</td>
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<td></td>
<td>Investigation and validation of a potential new drug target for parasitic nematodes</td>
<td>Room: Riverside Theatre</td>
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<td>Carolyn Bonin, Australian National University</td>
<td>Room: Riverside Theatre</td>
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<td>14:00-14:15</td>
<td><strong>IMMUNOLOGY GENERAL</strong></td>
<td>Room: Riverside Theatre</td>
<td>Roger Pritchard</td>
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<tr>
<td></td>
<td>So, if the only teaching aid in the budget is an old shodbox</td>
<td>Room: Riverside Theatre</td>
<td>Roger Pritchard</td>
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<td>Dwight Brown, Cornell University</td>
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<td>14:00-14:15</td>
<td><strong>IMMUNOLOGY GENERAL</strong></td>
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<td>Development of RNA interference in the human hookworm Necator americanus</td>
<td>Room: Riverside Theatre</td>
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<td>James Cox, University of Sydney</td>
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<td><strong>ONE HEALTH 3</strong></td>
<td>Room: Riverside Theatre</td>
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<td>Predominant natural killer cell proliferation in Belgian Blue cattle</td>
<td>Room: Riverside Theatre</td>
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<td>and Australia</td>
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<td>An Atypical Genotype of Toxoplasma gondii as a Cause of Mortality in</td>
<td>Room: Riverside Theatre</td>
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<td>Heuzel’s Dipteria (Cephalotrichus Hectori)</td>
<td>Room: Riverside Theatre</td>
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<td>Laryssa Hove, Massey University</td>
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<td>14:15-14:30</td>
<td>Resistance to monoparatam in two nematode species in goats, David Lushnikewich, AgResearch</td>
<td>Room: Riverside Theatre</td>
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<td>A comparison of sequencing technologies for the screening of Cryptosporidium infections in biological samples, Andrea Pappianni, Murdoch University</td>
<td>Room: Riverside Theatre</td>
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<td>Host-parasite interactions from canine faecal samples, Francesco Jones, Murdoch University</td>
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<td>14:15-14:30</td>
<td><strong>FUNCTIONAL GENOMICS 3</strong></td>
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<td>In vitro efficacy of Toltrazuril against Besnoitia besnoiti infection</td>
<td>Room: Riverside Theatre</td>
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<td>Vero and BHK21 cells</td>
<td>Room: Riverside Theatre</td>
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<td>Bruno Gottstein, Institute of Parasitology</td>
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<td><strong>IMMUNOLOGY GENERAL</strong></td>
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<td>Core competencies in veterinary parasitology practicals – A LOGical approach</td>
<td>Room: Riverside Theatre</td>
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<td>Ryan O’Handley, University of Adelaide</td>
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<td><strong>IMMUNOLOGY GENERAL</strong></td>
<td>Room: Riverside Theatre</td>
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<td>Functional analysis of the bovine immunological response against anaplasia in experimentally infected cattle, Bruno Gottstein, Murdoch University</td>
<td>Room: Riverside Theatre</td>
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<td>Edwin Claerhout, Ghent University</td>
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<td>Serological analysis of bovine monocyte-derived dendritic cells after infection with Eimeria bovis, Michael Takeet, Murdoch University</td>
<td>Room: Riverside Theatre</td>
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<td>Per Skallerup, Murdoch University</td>
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<td>14:15-14:30</td>
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<td></td>
<td>Determination of bovine monocyte-derived dendritic cells after infection with Eimeria bovis, Michael Takeet, Murdoch University</td>
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<td>Ala Lew-Tabo, Murdoch University</td>
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<td>Room: Riverside Theatre</td>
<td>Roger Pritchard</td>
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<td></td>
<td>Predilation sites of Toxoplasma gondii in goats, sheep and pigs determined by biomarker capture and real-time PCR</td>
<td>Room: Riverside Theatre</td>
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<td>Jana Jurankova, University of Veterinary and Pharmaceutical Sciences</td>
<td>Room: Riverside Theatre</td>
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<td>14:30-14:45</td>
<td><strong>DRUG RESISTANCE SMALL - Ruminants</strong></td>
<td>Room: Riverside Theatre</td>
<td>Chair: Roger Pritchard</td>
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<td>A survey investigating gastro-intestinal nematode egg output of sheep</td>
<td>Room: Riverside Theatre</td>
<td>Roger Pritchard</td>
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<td>Modelling treatment with long acting anthelmintics on farms in New Zealand and Australia, Ben Brown, Novartis Animal Health</td>
<td>Room: Riverside Theatre</td>
<td>Roger Pritchard</td>
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<td></td>
<td>Phylogenetic analysis of Toxoplasma clematidis and Toxoplasma vivax sequences detected in naturally infected Nigerian cattle breeds, Michael Takeet, Murdoch University</td>
<td>Room: Riverside Theatre</td>
<td>Roger Pritchard</td>
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<td>Metaphylactic toltrazuril treatment of dairy calves at risk of coccidiosis-shoot</td>
<td>Room: Riverside Theatre</td>
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<td>14:30-14:45</td>
<td><strong>FUNCTIONAL GENOMICS 3</strong></td>
<td>Room: Riverside Theatre</td>
<td>Roger Pritchard</td>
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<td>Functional study of a genetic marker allele associated with resistance toltrazuril resistance in pigs, Per Skallerup, Technical University Of Denmark</td>
<td>Room: Riverside Theatre</td>
<td>Roger Pritchard</td>
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<td>Leishmania australis infection in BHK21 nude mice, Cailla Santos, The University of Western Australia</td>
<td>Room: Riverside Theatre</td>
<td>Roger Pritchard</td>
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<td>14:45-15:15</td>
<td><strong>ONE HEALTH 3</strong></td>
<td>Room: Riverside Theatre</td>
<td>Chair: Roger Pritchard</td>
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<td>Evidence of the three main clonal Toxoplasma gondii lineages in British wild carnivores</td>
<td>Room: Riverside Theatre</td>
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<td>Alison Burall, Moredun Research Institute</td>
<td>Room: Riverside Theatre</td>
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<td>Brendan Brown, Novartis Animal Health</td>
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**Lunch** Sponsored by Novartis Animal Health
<table>
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<tr>
<th>Time</th>
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<th>Venue</th>
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<tr>
<td>15.15-16.30</td>
<td>ELANCO (GOLD SPONSOR)</td>
<td>Paul Riga</td>
<td>Room 1</td>
<td>Brent Wagner, Paul Riga, Rico Soares, Joe de Labeau, Alice Melville, Mark Fox, Calum Macpherson</td>
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<tr>
<td>15.15-15.30</td>
<td>The Spinosyns: Discovery and Development of a Novel Pesticide Daniel Snyder</td>
<td>Rico Soares</td>
<td>Room 1</td>
<td>Brent Wagner, Paul Riga, Nico Smit, Narelle Dybing, Nino Sandia, Akira Uehara, Mark Fox</td>
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<td>15.30-15.45</td>
<td>The Efficacy of Spinosad for the Control of PestsInfesting Poultry Richard Hack</td>
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<td>Room 1</td>
<td>Benoît Wagner, Paul Riga, Rico Soares, Nino Sandia, Akira Uehara, Mark Fox, Calum Macpherson</td>
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<tr>
<td>15.45-16.00</td>
<td>Spinosad: Development and field use for flea control Daniel Snyder</td>
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<td>Room 1</td>
<td>Benoît Wagner, Paul Riga, Rico Soares, Nino Sandia, Akira Uehara, Mark Fox, Calum Macpherson</td>
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<td>16.00-16.15</td>
<td>Breeding the spores - the combination of sporead with milbemycin oxime Beatrice Schlüter</td>
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<td>Benoît Wagner, Paul Riga, Rico Soares, Nino Sandia, Akira Uehara, Mark Fox, Calum Macpherson</td>
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<td>16.15-16.30</td>
<td>Why history matters? A tale of leprosy and their hosts Guilherme Verocai</td>
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<td>Room 1</td>
<td>Benoît Wagner, Paul Riga, Rico Soares, Nino Sandia, Akira Uehara, Mark Fox, Calum Macpherson</td>
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<td>16.30-17.30</td>
<td>NOVARTIS SPONSORED SESSION</td>
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<td>Benoît Wagner, Paul Riga, Rico Soares, Nino Sandia, Akira Uehara, Mark Fox, Calum Macpherson</td>
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<td>17.30 - 18.30</td>
<td>Happy Hour (POSTER VIEWING) Sponsored by SCYNEXIS</td>
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<td>Benoît Wagner, Paul Riga, Rico Soares, Nino Sandia, Akira Uehara, Mark Fox, Calum Macpherson</td>
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| 8.30-9.45  | PLENARY SESSION: PROPHYLACTICS AND THERAPEUTICS - NEW APPROACHES  
              Chair: Peter Holdsworth  
              Immunomodulatory molecules of *F. hepatica* - candidates for both vaccine and immunotherapeutic development  
              John Dalton  
              McGill University  
              Worms - a “license to kill”  
              Ronald Kaminsky  
              Novartis - Switzerland |
| 9.45-10.15 | Morning tea                                |
| 10.15-11.15| WAAVP PRIZES SESSION                      |
| 11.15-13.15| ASP/ELSEVIER SESSION                      |
|            | Filtration gaps: expression profiling of zoonotic Apicomplexa in definitive hosts  
              Adrián Hult   
              University of Zurich |
|            | Specific and/or unspecific mechanisms of anthelmintic resistance: how could we tackle this conundrum?  
              Georg von Samson-Himmelstjerna  
              Free University Berlin |
|            | Wildlife parasitism in a changing climate: shifting boundaries, barriers, and paradigms  
              Susan Kutz  
              University of Calgary |
|            | Presidential address  
              Denise Doolan  
              President of the ASP |
| 13.15-14.15| Lunch                                     |
| 14.15-16.30| ASP AGM                                   |
|            | Venue: Perth Zoo                          |
THURSDAY 29 AUGUST

PLENARY SESSION: ANIMAL PRODUCTION AND FOOD SECURITY
Chair: Brown Besier
Parasitology for the hungrier, warmer, riskier world
Doug Grey
ACAR
Global food security - the impact of veterinary parasitology and parasitologists
Jule Fitzpatrick
Monash Research Institute
WAAVP 2015
Lord Tress
University of Liverpool

10.00-10.15
Morning tea

10.15-11.30
GLORDORM – Impact of global change on nematode helminths
Room: Riverside Theatre
Chair: Brown Besier
Evaluating the effects of climate change, biodiversity and agriculture on helminth parasites of livestock
Dr. Jiri Kolesnik
University of Edinburgh

10.15-10.30
Ruminants-Protozoa
Room: Meeting Room 1
Chair: Ryan O’Handley
Evaluating factors contributing to the course of natural cryptosporidiosis infection in cattle
Dr. Elisabeth Kehoe
University of Cambridge

10.15-10.30
GENETIC IMMUNITY NATIVE BREEDS? WHAT’S OLD IS NEW?
Room: Meeting Room 2
Chair: Mark Sandeman
In-vitro and in-vivo investigations to develop functional imaging of Positron Emission Tomography (PET) for murine and human helminth echinococcosis
Dr. Bruno Gottstein
Institute of Parasitology

10.30-11.00
Echinococcus
Room: Meeting Room 3
Chair: Johannes Eckert
Immunization studies in rabbits using gut membrane-bound proteins derived from Rhipicephalus appendiculatus, R. evertsi evertsi and Amblyomma variegatum lamellosa
Dr. Lydia van Hekken
Jomo Kenyatta University of Agriculture and Technology
UK guidelines for worm control - evaluating production, infection and resistance development with use on commercial farms
Dr. John Leanmont
AHVLA

11.00-11.45
Vaccines - General 2
Room: Meeting Room 4
Chair: David Heath
Helminth epidemiology and prevalence of gastrointestinal nematodes in cattle in Kirinyaga County, Kenya
Dr. Francis Njonge
Agriculture and Technology
Novartis Animal Health

11.00-11.45
Vaccines - General 2
Room: Meeting Room 5
Chair: Natasha Ewart
Morphological and genetic diversity of Rhipicephalus sanguineus
Filipe Dias-De-Snoo
Applegrove Research Centre
(Firstco PE)

11.45-12.15
Drug Resistance - Small Ruminants 2
Room: Meeting Room 6
Chair: Roger Pritchard
Screening of tick-borne pathogens, central Nigeria
Dr. Vincenta Larrosa
The University of Edinburgh

11.45-12.15
VECTORS BORNE DISEASES - TICKS
Room: Meeting Room 7
Chair: Peter Irwin
Evaluation of resistance management practices on commercial sheep and cattle farms in New Zealand
Dr. Tony Rhodes
PGS Whiston Consulting

12.15-13.00
Parasites in the Tropics 2
Room: Riverside Theatre
Chair: Chandranathani Parshede/Harman
Cattle ticks and tick-borne pathogens, central Nigeria
Dr. Vincenta Larrosa
The University of Edinburgh

12.15-13.00
PARASITES IN THE TROPICS 2
Room: Meeting Room 8
Chair: Chandranathani Parshede/Harman
Helminth epidemiology and prevalence of gastrointestinal nematodes in cattle of Kirinyaga County, Kenya
Dr. Francis Njonge
Agriculture and Technology
Novartis Animal Health

13.00-14.00
Lunch

14.00-15.30
ORAL POSTER SESSION
All about Cryptos
Chair: Una Ryan

14.00-15.30
ORAL POSTER SESSION
All about Flukes
Chair: Santiago Mac-Crone

14.00-15.30
ORAL POSTER SESSION
All about worms
Chair: Brown Besier

14.00-15.30
ORAL POSTER SESSION
Dogs - do they REALLY work?
Chair: David Smith

14.00-15.30
ORAL POSTER SESSION
Pigs, Pigs and People
Chair: Peter Deplazes

14.00-15.30
ORAL POSTER SESSION
Size really doesn’t matter - enteric pathogens
Chair: Jan Slapeta

14.00-15.30
ORAL POSTER SESSION
All about Fungi
Chair: Una Ryan

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Cats - do they REALLY work?
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Size really doesn’t matter - enteric pathogens
Chair: Jan Slapeta
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<tr>
<td>12.45-13.30</td>
<td>Lunch (WAAVP AGM)</td>
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<td>Room: Meeting Room 7</td>
<td>Georg von Samson-Himmelstjerna</td>
<td>AusDiagnostics Pty Ltd</td>
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<td>13.30-14.45</td>
<td>MSD (GOLD SPONSOR)</td>
<td><strong>DRUG RESISTANCE - SHEEP</strong></td>
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<td>Room: Riverside Theatre</td>
<td>Mark Fox</td>
<td>University of Adelaide</td>
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<td>Biochemical characterisation of sarine protease inhibitors from Schistosoma japonicum</td>
<td>David Piedrafita</td>
<td>Room: Meeting Room 1</td>
<td>Florian Rodner</td>
<td>Murdoch University</td>
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<td>Adenosine A1b receptors.</td>
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<td>Room: Meeting Room 2</td>
<td>Ryan O'Handley</td>
<td>University of Adelaide</td>
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<td>Morpological features and molecular characterisation of protein antigens in the</td>
<td>Ian Beveridge</td>
<td>Room: Meeting Room 3</td>
<td>Roger Van der Stappen</td>
<td>University of Adelaide</td>
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<td>Platypus (Ornithorhynchus anatinus).</td>
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<td>Room: Meeting Room 5</td>
<td>Florian Rodner</td>
<td>Murdoch University</td>
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<td>A high-throughput diagnostic platform for gastrointestinal nematode infections in</td>
<td>Mark Ford</td>
<td>Room: Meeting Room 6</td>
<td>Khalid Behmood</td>
<td>University of Queensland</td>
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<td>small ruminants</td>
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<td>Room: Meeting Room 7</td>
<td>Ramon Garcia</td>
<td>University of Queensland</td>
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<td>13.30-14.45</td>
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<td><strong>DIAGNOSTICS - MOLECULAR</strong></td>
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<td>Room: Meeting Room 1</td>
<td>Zara Hall</td>
<td>Murdoch University</td>
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<td>Effect of repeated antigen administration on hypersensitivity and faecal excretion</td>
<td>Mark Ford</td>
<td>Room: Meeting Room 2</td>
<td>Caroline Olyshanski</td>
<td>University of Queensland</td>
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<td>content in sheep</td>
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<td>Caroline Olyshanski</td>
<td>University of Melbourne</td>
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<td>Ivermectin-aglycone: A novel P-gp inhibitor to reverse macrocytic lachrence resistance</td>
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<td>Caroline Olyshanski</td>
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<td>Haemonchus contortus.</td>
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<td>Genetic characterization of selected nematode parasites from people with histories of</td>
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<td>gastrointestinal disorders</td>
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<td>Macrocyclic lactone resistance in nematodes: Molecular marker for resistance detection</td>
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<td>Bioinformatics-based identification of scabiosa vaccine antigens: an integrated</td>
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<td>discovery and validation approach</td>
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<td>Molecular Characterization of Anamul (An) and Tetrapatin (TSF)</td>
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<td>Genus Fasciolarum: Fasciola hepatica</td>
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<td>No novel Babesias spp. associated with mobility and mortality in eastern grey</td>
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<td><strong>HOST PARASITE INTERACTIONS</strong></td>
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<td>Field Trial in Commercial Irish Farm using Experimental Vaccine</td>
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<td>Persistence of Cryptic species within the nematode genus Oesophagostomum</td>
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<td><strong>ONE HEALTH - ANIMAL PRODUCTION</strong></td>
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<td>15.15-16.30</td>
<td>COMMERCIAL LIVESTOCK - SHEEP</td>
<td>Room: Riverside Theatre</td>
<td>Chair: Andrew Greer</td>
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<td>15.15-15.30</td>
<td>Total tract digestibility is reduced in anorexic parasitized ewes</td>
<td>Ophirroncova viverrini exosomes, a molecular mechanism for host-parasite interaction</td>
<td>Livestock 1 Chair: Andrew Hehl</td>
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<td>15.15-16.30</td>
<td>rooftops 1 Room: Meeting Room 1</td>
<td>Chair: Andrew Hehl</td>
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<td>Level III wool-egg counts associated with higher wool body condition score</td>
<td>Livestock 2 Room: Meeting Room 2</td>
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<td>Effect of lambing season on the peri-parturient egg counts of gastrointestinal nematodes</td>
<td>Andrew Perring</td>
<td>University of Queensland</td>
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<td>16.00-16.15</td>
<td>Gastrintestinal nematode control in sheep under three grazing management systems and factors influencing faecal egg counts</td>
<td>Stephen Walkden-Brown</td>
<td>University of New England</td>
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<td>16.15-16.30</td>
<td>The influence of farmer autonomy on gastrointestinal nematode infection in semi-extensive meat sheep farms</td>
<td>Jacques Cabelat</td>
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<td>16.30-17.30</td>
<td>PLATINUM SPONSOR SESSION, JOETS</td>
<td>The Evolutionary Biology of Parasite Resistance</td>
<td>Chair: Patrick Ivens Zeidel</td>
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<td>17.00 - 23.30</td>
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