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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<td>8:15-10:00</td>
<td>OPENING SESSION</td>
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<td>Premier’s Address and other VIPs</td>
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<td><strong>Chair:</strong> Andrew Thompson</td>
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<td>WAAVP: The 50th anniversary in 2013 – history, achievements and future perspectives</td>
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<td>Johannes Eckert</td>
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<td>Veterinary parasitology in Australia – a short history</td>
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<td>Brown Besier</td>
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<td>10:00-11:45</td>
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<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>Paul Torgerson</td>
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<td>One world health: whose world, whose health?</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. Rob Churchill, Crosswell Veterinary Hospital

11.45-13:00

**IWAAPS - FIFTH INTERNATIONAL WORKSHOP ON ARCTIC AND ANTARCTIC PARASITES**
Room: Meeting Room 1
Chair: Emily Jenkins

- Age-related patterns of infection for an invasive fish in free-ranging wolves (Canis lupus) in Alberta, Canada. Melissa Beck, University of Lethbridge

11.45-12.00

**CONSERVATION AND WILDLIFE ECOLOGY**
Room: Meeting Room 2
Chair: Stephanie Godfrey

- The repeatability of FEC of horses and achieving veterinary guided parasite control. Michael Smout, University of Saskatchewan

12.00-12.15

**HOST PARASITE RELATIONSHIPS 1**
Room: Meeting Room 3
Chair: Bernd Kalinna

- Of macropods and nematodes: A novel technique for investigating host-parasite population dynamics. Melissa Beck, Macquarie University

12.00-12.15

**FUNCTIONAL GENOMICS 1**
Room: Meeting Room 7
Chair: Gerald Coles

- Genetic evaluation of lambs subjected to a targeted selective treatment. Jem Green, Lincoln University

12.00-12.15

**DRUG TARGETED SELECTIVE TREATMENT**
Room: Meeting Room 8
Chair: Rolf K. Schuster

- Treatment of equine gastric habronemosis with moxidectin. Bert Breugelmans, Central Veterinary Research Laboratory

12.00-12.15

**HORSE PARASITES**
Room: Meeting Room 5
Chair: Miriam Scheuerle

- The role of microRNA-mediated gene silencing in the pharmacological response to anthelmintics in horses. Rolf K. Schuster, Central Veterinary Research Laboratory

12.15-13.00

**ONE HEALTH 1**
Room: Meeting Room 2
Chair: Emily Jenkins

- Functional characterisation of S. mansoni egg-accreted proteins using a detailed microarray. Gunwade De Silva, Murdoch University

13.00-13.15

**Gastrointestinal nematodes and the technical efficiency of dairy farms**
Mariska Van Der Voort, Institute for Agricultural and Fisheries Research

- Lungworms in muskoxen in Norway: a potential threat with warmer climate. Inger Hamnes, Norwegian Veterinary Institute

13.00-13.15

**RIVAREX - FIFTH INTERNATIONAL WORKSHOP ON RIVER PARASITES**
Room: Meeting Room 6
Chair: Inger Hamnes

- Of macropods and nematodes: A novel technique for investigating host-parasite population dynamics. Melissa Beck, Macquarie University

13.15-14.00

**Conservation and Wildlife in the Tropics**
Room: Meeting Room 1
Chair: Uma Khanna

- The impact of climate change on helminth diversity in tropical rainforests. Melissa Beck, University of Lethbridge

13.00-13.15

**A performance-based targeted selective treatment**
Room: Riverside Theatre
Chair: Richard Martin

- Of macropods and nematodes: A novel technique for investigating host-parasite population dynamics. Melissa Beck, University of Lethbridge

14.00-14.15

**Antimicrobial resistance in veterinary and wildlife populations**
Room: Meeting Room 7
Chair: Gerald Coles

- Of macropods and nematodes: A novel technique for investigating host-parasite population dynamics. Melissa Beck, Macquarie University

14.00-14.15

**Dynamics of infection in wildlife**
Room: Meeting Room 8
Chair: Rolf K. Schuster

- Of macropods and nematodes: A novel technique for investigating host-parasite population dynamics. Melissa Beck, University of Lethbridge

14.15-15.00

**Control and elimination of parasites**
Room: Meeting Room 5
Chair: Miriam Scheuerle

- Of macropods and nematodes: A novel technique for investigating host-parasite population dynamics. Melissa Beck, University of Lethbridge

15.00-15.15

**Use of a persistent anthelmintic injection**
Room: Meeting Room 4
Chair: Inger Hamnes

- Of macropods and nematodes: A novel technique for investigating host-parasite population dynamics. Melissa Beck, University of Lethbridge
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<th>Speakers or Organizations</th>
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<tr>
<td>12.00-12.45</td>
<td>ACAM - PARASITE CONTROL AND LIVESTOCK PRODUCTION IN SE ASIA</td>
<td>Room: Riverside Theatre</td>
<td>Chair: Douglass Galpin</td>
<td>Geneva</td>
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<td>12.45-13.00</td>
<td>Lunch</td>
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<td>13.00-14.00</td>
<td>ACAM - PARASITE CONTROL AND LIVESTOCK PRODUCTION IN SE ASIA</td>
<td>Room: Meeting Room 1</td>
<td>Chair: Tommy Leung</td>
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<td>Chair: Sia Ryan</td>
<td>Region</td>
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<td>Room: Meeting Room 3</td>
<td>Chair: David Emery</td>
<td>Bangladesh</td>
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<tr>
<td>14.00-14.15</td>
<td>Parasites and Climate Change</td>
<td>Room: Meeting Room 4</td>
<td>Chair: Santiago Max-Corma</td>
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<td>14.15-14.45</td>
<td>ACAM - PARASITE CONTROL AND LIVESTOCK PRODUCTION IN SE ASIA</td>
<td>Room: Meeting Room 6</td>
<td>Chair: Brenda Ravin</td>
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<td>Room: Meeting Room 7</td>
<td>Chair: Alvin Gajadhar</td>
<td>Bangladesh</td>
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<td>14.45-15.15</td>
<td>ACAM - PARASITE CONTROL AND LIVESTOCK PRODUCTION IN SE ASIA</td>
<td>Room: Meeting Room 8</td>
<td>Chair: Arvind Gajadhar</td>
<td>Bangladesh</td>
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<td>Room: Meeting Room 9</td>
<td>Chair: Vinodh Aswathikram</td>
<td>India</td>
</tr>
</tbody>
</table>

### Session 1: Parasites and Climate Change

**Epidemiology, impact and benefits of control, and vectors of surra affecting livestock in Mindanao, Philippines**
- **Speaker:** Albie Dargantes
- **Institution:** Central Mindanao University

**Tropical Medicine on Trichinellosis**
- **Chair:** Tommy Leung

**Climate Change and Giardia**
- **Chair:** Una Ryan

**Climate and Global Change Impacts on Vector-Borne Zoonoses**
- **Speaker:** Santiago Mos-Corpa
- **Institution:** Universidad de Salamanca

**Drachyacauda volvacea infection in adult dairy cows in France: abattoir survey and monitoring of bovine oral excretion**
- **Chair:** David Emery

**Canadian Anthroplea Inhibitors as Antimicrobials**
- **Chair:** Brenda Ravin

**Acamprosate - THE INNOVATIVE SOLUTIONS FOR PARASITIC DRUG DISCOVERY**
- **Chair:** Alvin Gajadhar

### Session 2: Parasites and Climate Change

**Epidemiology of strongyle infections in small ruminants in three management systems in Malaysia**
- **Speaker:** Rana Sani
- **Institution:** Universiti Teknologi Mara

**Reduction in greenhouse gas emissions associated with sustainable worm control in lambs**
- **Speaker:** Una Ryan
- **Institution:** Murdoch University

**Prevalence and transmission of *Thelazia spp.* in dairy cattle in Queensland, Australia**
- **Speaker:** Elizabeth Read
- **Institution:** LaTrobe University

**Parasitology - the ecological complexity and impact of mixed infections**
- **Chair:** RC Andrew Thompson
- **Institution:** Murdoch University

**Epidemiology of Babesia species in cattle**
- **Chair:** Leigh Cottrell
- **Institution:** The University of Queensland

**Evaluating the occurrence of Haemonchus placei in a high risk dairy farm**
- **Chair:** Abdul Jabbar
- **Institution:** The University of Melbourne

**Zoicotic Primate Malarias in Peninsular Malaysia**
- **Speaker:** Abdul Jalboor
- **Institution:** The University of Melbourne

**Identification of Helminth infection using drug interventions**
- **Chair:** Catherine Perez
- **Institution:** Murdoch University

**Evaluating ELISA coupled with confirmatory testing as a surveillance tool for Trichinella infection in Australian wildlife**
- **Chair:** Brad Scarlett
- **Institution:** Canadian Food Inspection Agency

**Detection of Trichinella murrelli in an imported horse in Canada during export**
- **Chair:** Karsten Noeckler
- **Institution:** Federal Institute for Risk Assessment

**Trichtenia in pigs and humans in northern Laos**
- **Chair:** James Conlan
- **Institution:** Murdoch University

**Review of geo-spatial sampling methods for parasite ecology and epidemiological studies**
- **Speaker:** Guy Hendricks
- **Institution:** Asia-GIS

**Molecular prevalence of Cryptosporidium infections in Giraffe**
- **Speaker:** Nairaj Venu
- **Institution:** V.V. Veterinary University

**The occurrence of Haemonchus placei in cattle in southern Western Australia: an unexpected finding**
- **Chair:** Abdul Jalboor
- **Institution:** The University of Melbourne

**Liron Molbada in Schistosomiasis**
- **Chair:** Sarah Groot
- **Institution:** University of New England

**One Health, wildlife and parasites**
- **Chair:** Harshanie Abeywardena
- **Institution:** University of Bern

**The Importance of Soil as a Reservoir of Gastrointestinal Nematode Larvae**
- **Chair:** Elizabeth Read
- **Institution:** LaTrobe University

**In vitro effects of novel ruthenium complexes in Neospora caninum and Toxoplasma gondii**
- **Chair:** Andrew Hapeshi
- **Institution:** University of Bern

**Intramural survey in sheep, goats and cattle**
- **Chair:** Christophe Chartier
- **Institution:** ONIRIS

**Evaluation of freezing and other sample conditions on the performance of an ELISA for the detection of Toxocara vitulorum in bison**
- **Chair:** Nikolaos Tzanidakis
- **Institution:** University of Lethbridge

**Protozoan Diseases**
- **Chair:** Uma Ramesh
- **Institution:** University of KwaZulu-Natal

**A hitherto undetected biosecurity breach leads to a Taenia saginata/cysticercosis storm in a New South Wales feedlot**
- **Chair:** Nikos Douna\u2019adakis
- **Institution:** Charles Sturt University

**The challenge of achieving Toxocara control and the one health concept**
- **Chair:** Jastine Hocking
- **Institution:** Murdoch University

**Distribution patterns and predilection of *Toxocara vitulorum* in bison in western Canada**
- **Chair:** Brent Wagner
- **Institution:** University of Nebraska Lincoln

**The epidemiology of Babesia species in cattle**
- **Chair:** Abdul Jalboor
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**The effect of genetic and phenotypic diversity on the control of *T. cruzi* infection using drug interventions**
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- **Chair:** Karsten Noeckler
- **Institution:** Federal Institute for Risk Assessment
15.45-16.00
Introduction and Overview
Ronald Kaminsky
Novartis

16.00-16.15
Parasitic Diseases in South-East Asian Aquaculture
Supranee Chinabut
Department of Fisheries

16.15-16.30
The potential impact of alien invasive parasites on economic important freshwater fish species in the Eastern Cape, South Africa
Kylie McHugh
North West University

16.30-16.45
Comparison study of Clonorchis sinensis (Dicrocoelidae) in freshwater fish from Riau and Yogyakarta, Indonesia
Kurniasih S. Tato
Department of Fisheries

16.45-17.00
Recent investigations into the aetiology of winter mortality disease in Sydney rock oysters (Saccostrea glomerata)
Zoe Spiers
NSW Department of Primary Industries

17.00-18.00
Happy Hour (POSTER VIEWING)
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<th>Session</th>
<th>Location</th>
<th>Chair</th>
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<tr>
<td>10:15-11:30</td>
<td>Presentations on the evolution of parasites</td>
<td>Meeting Room 1</td>
<td>Craig Thompson</td>
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<td>11:00-11:15</td>
<td>Presentations on the evolution of parasites</td>
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<td>11:15-11:30</td>
<td>Presentations on the evolution of parasites</td>
<td>Meeting Room 3</td>
<td>Craig Thompson</td>
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<td>11:40-12:00</td>
<td>Oral poster session on parasites in fish</td>
<td>Meeting Room 4</td>
<td>Craig Thompson</td>
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<td>12:00-12:40</td>
<td>Oral poster session on parasites in fish</td>
<td>Meeting Room 5</td>
<td>Craig Thompson</td>
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For the full schedule, please refer to the document.
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<tr>
<td>13.30-14.15</td>
<td><strong>DRUG RESISTANCE SMALL - RUMINANTS</strong></td>
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<td>Chair: Roger Prichard</td>
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<td><strong>DIAGNOSTICS - APICOMPLEXIA</strong></td>
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<td>Chair: Rebecca Tiras</td>
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<td><strong>DOG AND CAT PARASITES 1</strong></td>
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<td>Chair: Anja Jachim</td>
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<td>13.30-14.45</td>
<td><strong>DRUG DISCOVERY</strong></td>
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<td>Chair: Christian Epe</td>
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<td>13.30-14.15</td>
<td><strong>FUNCTIONAL GENOMICS 2</strong></td>
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<td>Chair: Ryan O’Handley</td>
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<td><strong>TEACHING WORKSHOP</strong></td>
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<td><strong>IMMUNOLOGY GENERAL</strong></td>
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<td>13.30-14.45</td>
<td><strong>ONE HEALTH 3</strong></td>
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<td>Chair: Susan Katz</td>
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<td>13.30-14.45</td>
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### Schedule:

- **13.30-14.45**
  - **Can combination anthelmintics be used once resistance to multiple anthelmintics has developed?**
    - Tania Waghorn
    - APL Research
  - **Results of a nationwide coccidiosis survey using a simple, one-tube assay for the simultaneous detection and diagnosis of the ten Australian Eimeria of chickens.**
    - Roseanne Goodwin
    - DAF, QLD Government
  - **Recent Coccidian spp. distribution information in northern Europe.**
    - Antti Oksanen
    - Finnish Food Safety Authority Eeva
  - **Haem uptake in Schistosoma mansoni.**
    - Tosh Shi Gin
    - Queensland Institute of Medical Research
  - **Haemorhagia in a “downsized” paralyzing nematode.**
    - Andrew Hemphill
    - University of Bern
  - **The genome and transcriptome of Haemonchus contortus: a key model parasite for drug and vaccine discovery.**
    - Roz Ling
    - University of Glasgow
  - **Gene expression in abomasal lymph node of Scottish Blackface lambs challenged with Toxoplasma gondii cercariae.**
    - Kathryn McRae
    - Teagasc

### Additional Info:

- **Lunch**
- **Afternoon tea**
- **14.45-15.15**
  - **Sponsored by Elanco**
  - **Update of current knowledge of toxoplasmosis in Australia**
    - James Corlan
    - Queensland University of Technology
  - **Four cases of fatal toxoplasmosis in three species of exotic New Zealand birds.**
    - Laryssa Howe
    - Masary University
  - **Predominant natural killer cell proliferation in Belgian Blue cattle experimentally infected with Psoroptes ovis mange.**
    - Charlotte Sarre
    - Ghent University
  - **An Atypical Genotype of Toxoplasma gondii as a Cause of Mortality in Haemophilus ducreyi.**
    - Laryssa Howe
    - Masary University
  - **Preclinical data of Toxoplasma gondii in pigs, sheep and pigs determined by antigenic capture and real-time PCR.**
    - Jana Jurankova
    - University of Veterinary and Pharmaceutical Sciences

### Other Sessions:

- **14.45-15.15**
  - **A survey investigating gastrointestinal nematode egg output of sheep midday treatment with long acting anthelmintics on farms in New Zealand and Australia.**
    - Ben Brown
    - Novartis Animal Health
  - **Phylogenetic analysis of Trypanosoma congolense and T. evansi isolates detected in naturally infected Nigerian cattle breeds.**
    - Michael Tukaut
    - Federal University of Agriculture
  - **Apicomplexan parasites in cattle: an EVPC residential-practical course in the heart of the Mediterranean Sea.**
    - Andrea Chryssisadis
    - University College Cork
  - **Evolution of the three main clonal Toxoplasma gondii lineages in British wild carnivores.**
    - Alison Burnie
    - Moredun Research Institute

### Further Information:

- **DRUG RESISTANCE SMALL**
  - **NEWCASTLE**
  - **NEWCASTLE UNIVERSITY**
  - **SCOTTISH UNIVERSITY**
  - **ECTORAL UNIVERSITY**
  - **NORTHERN IRELAND**
  - **Mediterranean Sea**
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<td>15.15-16.30</td>
<td>The Spinosyns: Discovery and Development of a Novel Pesticide</td>
<td>Room: Meeting Room 1</td>
<td>Paul Riga</td>
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<td>Daniel Snyder - Elanco Animal Health</td>
<td>Room: Meeting Room 2</td>
<td>Nico Smid</td>
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<td>Conservation and Wildlife General</td>
<td>Room: Meeting Room 3</td>
<td>Byron Blagburn</td>
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<td>Parasites of Aquatic Wildlife</td>
<td>Room: Meeting Room 4</td>
<td>Robert Dobbins</td>
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<td>Dog and Cat Parasites 2</td>
<td>Room: Meeting Room 5</td>
<td>Andrew Thompson</td>
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<td>Vaccines - Haemonchus</td>
<td>Room: Meeting Room 6</td>
<td>Norbert Mencke</td>
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<td>Molecular Epidemiology</td>
<td>Room: Meeting Room 7</td>
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<td>Vector Borne Diseases - General</td>
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<td>15.15-16.30</td>
<td>The Efficacy of Spinosad for the Control of Pests Infesting Poultry</td>
<td>Room: Meeting Room 1</td>
<td>Robert Dobson</td>
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<td>Richard Hack - Elanco Animal Health</td>
<td>Room: Meeting Room 2</td>
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<tr>
<td>15.30-15.45</td>
<td>The Molecular Characterization and Identification of Insect Vectors</td>
<td>Room: Meeting Room 3</td>
<td>Brent Wagner</td>
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<td>Barbervax’, a potential commercial vaccine for Haemonchus contortus:</td>
<td>Room: Meeting Room 4</td>
<td>Alan Lymbery</td>
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<td>review of native and introduced freshwater fish species to the</td>
<td>Room: Meeting Room 5</td>
<td>Andrew Thompson</td>
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<td>exotic parasite Lernaea spp. orthozoon</td>
<td>Room: Meeting Room 6</td>
<td>Norbert Mencke</td>
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<td></td>
<td>Chair: Andrew Thompson</td>
<td>Room: Meeting Room 7</td>
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<tr>
<td>15.45-16.00</td>
<td>The Efficacy of Spinosad for the Control of Pests Infesting Poultry</td>
<td>Room: Meeting Room 1</td>
<td>Mark Fox</td>
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<td></td>
<td>Richard Hack - Elanco Animal Health</td>
<td>Room: Meeting Room 2</td>
<td>Royal Veterinary College</td>
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<tr>
<td>16.00-16.15</td>
<td>Broadening the spectrum - the combination of spinosad with</td>
<td>Room: Meeting Room 3</td>
<td>Brent Wagner</td>
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<td>milbemycin oxime</td>
<td>Room: Meeting Room 4</td>
<td>Alan Lymbery</td>
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<td>Daniel Snyder - Elanco Animal Health</td>
<td>Room: Meeting Room 5</td>
<td>Andrew Thompson</td>
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<tr>
<td>16.15-16.30</td>
<td>Why history matters? A tale of langurmon and their hosts</td>
<td>Room: Meeting Room 6</td>
<td>Norbert Mencke</td>
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<td></td>
<td>Guilherme Vences - University of Calgary</td>
<td>Room: Meeting Room 7</td>
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<tr>
<td>16.30-17.30</td>
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<tr>
<td>17.30-18.30</td>
<td>Happy Hour (POSTER VIEWING)</td>
<td>Room: Meeting Room 3</td>
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</table>

**Note:** This schedule includes sessions on various topics related to parasitic diseases, vector-borne diseases, and molecular epidemiology, featuring presentations on the efficacy of spinosad, molecular characterization of parasites, and other relevant research in the field.
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker</th>
<th>Institution</th>
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</thead>
<tbody>
<tr>
<td>8.30-9.45</td>
<td>PLENARY SESSION: PROPHYLACTICS AND THERAPEUTICS - NEW APPROACHES</td>
<td>John Dalton</td>
<td>McGill University</td>
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<tr>
<td>9.45-10.15</td>
<td>WAAVP PRIZES SESSION</td>
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<tr>
<td>10.15-11.15</td>
<td>ASP/ELSEVIER SESSION</td>
<td>Adrian Hehl</td>
<td>University of Zurich</td>
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<tr>
<td>13.15-14.15</td>
<td>WILDLIFE PARASITISM IN A CHANGING CLIMATE: SHIFTING BOUNDARIES, BARRIERS, AND PARADIGMS</td>
<td>Susan Kutz</td>
<td>University of Calgary</td>
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<tr>
<td>14.15-16.30</td>
<td>ASP AGM</td>
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<td>Venue: Perth Zoo</td>
</tr>
</tbody>
</table>
THURSDAY 29 AUGUST

8.30-10.00
PLENARY SESSION: ANIMAL PRODUCTION AND FOOD SECURITY
Chair: Brown Besier
Parasitology for the hungry, warmer, riskier world
Doug Grey
AGARD
Global food security – the impact of veterinary parasites and parasitologists
Julie Fitzpatrick
Monash Research Institute
WAAVP 2015
Lord Tree
University of Liverpool

10.00-10.15
Morning tea

10.15-11.30
GLOWORM – Impact of global change on ruminant helminths
Room: Riverside Theatre
Chair: Brown Besier
Evaluation of factors contributing to the course of natural cryptosporidiosis in Germany
Anke Daugschies
University of Göttingen
In vivo and in vitro investigations to develop functional imaging by Position Emission Tomography (PET) for murine and human alveolar echinococcosis
Bruno Gottstein
Institute of Parasitology
Antigenic diversity in Theileria parva in sheep and cattle: immunodiagnosis and detection
Babir Baigisha Singh Dhaliwal
University of Veterinary & Animal Sciences University
Identification of ticks (Acari: Ixodidae) as potential hosts of Leishmania infantum
Andreas Christoyiannis
Novartis Animal Health
Molecular detection of tick-borne pathogens in ticks infesting dogs in Eastern Nigeria
Rongchang Yang
Murdoch University
Molecular detection of tick-borne pathogens in ticks infesting dogs in Eastern Nigeria
Rongchang Yang
Murdoch University

10.15-10.30
Room: Meeting Room 1
Chair: Johannes Eckert
Parasites in my blood!
Justin Bailey
Novartis Animal Health
Efficiency of monovalent against multi-resistant gastrointestinal nematodes in sheep
Justin Bailey
Novartis Animal Health
Identification of ticks (Acari: Ixodidae) as potential hosts of Leishmania infantum
Babir Baigisha Singh Dhaliwal
University of Veterinary & Animal Sciences University
Molecular detection of tick-borne pathogens in ticks infesting dogs in Eastern Nigeria
Rongchang Yang
Murdoch University

10.30-11.30
Room: Meeting Room 2
Chair: Mark Sandeman
Parasitology for the hungry, warmer, riskier world
Doug Grey
AGARD
Global food security – the impact of veterinary parasites and parasitologists
Julie Fitzpatrick
Monash Research Institute
WAAVP 2015
Lord Tree
University of Liverpool

10.45-11.00
Room: Meeting Room 3
Chair: David Heath
Parasitology for the hungry, warmer, riskier world
Doug Grey
AGARD
Global food security – the impact of veterinary parasites and parasitologists
Julie Fitzpatrick
Monash Research Institute
WAAVP 2015
Lord Tree
University of Liverpool

11.00-11.15
Room: Meeting Room 4
Chair: Ryan O’Handley
Parasitology for the hungry, warmer, riskier world
Doug Grey
AGARD
Global food security – the impact of veterinary parasites and parasitologists
Julie Fitzpatrick
Monash Research Institute
WAAVP 2015
Lord Tree
University of Liverpool

11.15-12.00
Room: Meeting Room 5
Chair: Jane Learmount
Parasitology for the hungry, warmer, riskier world
Doug Grey
AGARD
Global food security – the impact of veterinary parasites and parasitologists
Julie Fitzpatrick
Monash Research Institute
WAAVP 2015
Lord Tree
University of Liverpool

11.30-12.40
Room: Meeting Room 6
Chair: Johannes Eckert
Parasitology for the hungry, warmer, riskier world
Doug Grey
AGARD
Global food security – the impact of veterinary parasites and parasitologists
Julie Fitzpatrick
Monash Research Institute
WAAVP 2015
Lord Tree
University of Liverpool
<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Chair(s)</th>
<th>Location</th>
<th>Presenters</th>
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<tbody>
<tr>
<td>12.45-13.30</td>
<td>Lunch (WAAVP AGM)</td>
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<tr>
<td>13.30-14.45</td>
<td>MSD (GOLD SPONSOR)</td>
<td>David Pedradulla</td>
<td>Meeting Room 1</td>
<td>Biochemical characterisation of serine protease inhibitors from Schistosoma japonicum and Adenosine A1 receptors from Dirofilaria immitis.</td>
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<td>Room: Riverside Theatre</td>
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<td>Chair: Geoff Daughn</td>
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<td>Room: Meeting Room 1</td>
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<td>Chair: Ian Beveridge</td>
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<td></td>
<td>Room: Meeting Room 3</td>
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<td></td>
<td>A high-throughput diagnostic platform for gastrointestinal nematode infections in small ruminants.</td>
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<td>Chair: Mark Fox</td>
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<tr>
<td>13.30-14.45</td>
<td>CONSERVATION AND WILDLIFE</td>
<td></td>
<td>Meeting Room 4</td>
<td>Effect of repeated antigen administration on hypersensitivity and faecal worm count in sheep following infection with Trichinella spiralis.</td>
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<td></td>
<td>TAXONOMY</td>
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<td></td>
<td>Chair: Nadia Jones</td>
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<td>Chair: Jinx Rothwell</td>
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<tr>
<td>13.30-14.45</td>
<td>HOST PARASITE INTERACTIONS</td>
<td></td>
<td>Meeting Room 7</td>
<td>Infection of gastrointestinal nematode genera: Molecular marker for resistance detection.</td>
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<td>Chair: Georg von Saumau-Herrnallmaier</td>
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<tr>
<td>13.30-14.45</td>
<td>DRUG RESISTANCE - MOLECULAR</td>
<td></td>
<td>Meeting Room 8</td>
<td>Effect of Oxytetracycline supplementation on gastrointestinal nematode infection in Haemonchus contortus.</td>
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<td>Chair: Matthew Playford</td>
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<td>13.45-14.00</td>
<td>ONE HEALTH - ANIMAL PRODUCTION</td>
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<td>Meeting Room 9</td>
<td>Efficacy of a combination of monopar and monepantel against naturally acquired gastrointestinal parasites in pigs.</td>
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<td>Chair: Mal Jones</td>
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<tr>
<td>14.00-14.15</td>
<td>DRUG EFFICACY - SHEEP</td>
<td></td>
<td>Meeting Room 11</td>
<td>Efficacy of a combination of monopar and monepantel against naturally acquired gastrointestinal parasites in pigs.</td>
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<td>14.00-14.15</td>
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</table>

**Notes:**
- Allison tea sponsored by MSD.
- The table provides a summary of the sessions, including the time, location, and presenters for each session.
- Conference details and additional information are also included.
### COMMERCIAL LIVESTOCK
- SHEEP

Room: Riverside Theatre
Chair: Andrew Greer

#### 15.15-15.30
Total tract digestibility is reduced in anorexic parasitized ewes
Joe Hoult
SRUC

#### 15.30-15.45
Worm egg counts associated with higher ewe body condition score
Louie Kain
University of New England

### HOST PARASITE RELATIONSHIPS

#### 15.15-16.30
Total tract digestibility is reduced in anorexic parasitized ewes
Joe Hoult
SRUC

- Opisthorchis viverrini exosomes, a molecular mechanism for host-parasite interactions
  Janer Sierra-Salgado
  QFVids, James Cook University

A population genetics approach to understanding the control of sheep lice and myiasis in sheep
Peter James
University of Queensland

#### 15.30-15.45
Worm egg counts associated with higher ewe body condition score
Louie Kain
University of New England

#### 15.45-16.00
Effect of lambing season on the population and egg size of gastrointestinal nematodes
Andrew Porguny
University of Queensland

P-Glycoproteins in macrocyclic lactone resistance of equine parasitic nematodes
Functional analysis of putative resistance markers using a yeast expression system
Jurgen Kruisler
Favila Animal Health

#### 16.00-16.15
Gastrointestinal nematode control in sheep under three grazing management systems of sheep
Stephen Walkden-Brown
University of New England

To serve or to protect? Functional analysis of Fasciola hepatica type-2 cysteine protease
Saba Sekheric
Institute of Parasitology

#### 16.15-16.30
The influence of farmer autotomy on gastrointestinal nematode infection in small ruminants
Jacques Cabaret
INRA

Expression of functional and characteristic terminal deoxynucleotidyl transferase (TdT) in Schistosoma mansoni eggs
Leigh Schultz
Queensland Institute of Medical Research

#### 16.30-17.30
Pediscope Resistance: From Theory to Practice
Chair: Patrick Nunn-Zeils

The Evolutionary Biology of Pediscope Resistance
Jeff Scott
Cornell University, Ithaca, NY USA

Lessons from agriculture on adaptive resistance management
Corina Walk
CSIRO

### DIAGNOSTICS - NEMATODES

#### 15.30-15.45
Worm egg counts associated with higher ewe body condition score
Louie Kain
University of New England

- Opisthorchis viverrini exosomes, a molecular mechanism for host-parasite interactions
  Janer Sierra-Salgado
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Stephen Walkden-Brown
University of New England

#### 16.15-16.30
The influence of farmer autotomy on gastrointestinal nematode infection in small ruminants
Jacques Cabaret
INRA

### DRUG EFFICACY - ECTOPARASITES

#### 15.30-15.45
Worm egg counts associated with higher ewe body condition score
Louie Kain
University of New England

#### 15.45-16.00
Effect of lambing season on the population and egg size of gastrointestinal nematodes
Andrew Porguny
University of Queensland

#### 16.00-16.15
Gastrointestinal nematode control in sheep under three grazing management systems of sheep
Stephen Walkden-Brown
University of New England

#### 16.15-16.30
The influence of farmer autotomy on gastrointestinal nematode infection in small ruminants
Jacques Cabaret
INRA

### FUNCTIONAL GENOMICS

#### 15.15-15.30
Total tract digestibility is reduced in anorexic parasitized ewes
Joe Hoult
SRUC

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Louie Kain
University of New England

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Corina Walk
CSIRO

### DRUG RESISTANCE - SMALL RUBBERANTS

#### 15.30-15.45
Worm egg counts associated with higher ewe body condition score
Louie Kain
University of New England

#### 15.45-16.00
Effect of lambing season on the population and egg size of gastrointestinal nematodes
Andrew Porguny
University of Queensland

#### 16.00-16.15
Gastrointestinal nematode control in sheep under three grazing management systems of sheep
Stephen Walkden-Brown
University of New England

#### 16.15-16.30
The influence of farmer autotomy on gastrointestinal nematode infection in small ruminants
Jacques Cabaret
INRA

### APOCOMPLEXAN BIOLOGY

#### 15.15-15.30
Total tract digestibility is reduced in anorexic parasitized ewes
Joe Hoult
SRUC

#### 15.30-15.45
Worm egg counts associated with higher ewe body condition score
Louie Kain
University of New England

#### 15.45-16.00
Effect of lambing season on the population and egg size of gastrointestinal nematodes
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### DISCUSSION

18.00 - 23.30
CONFERENCE DINNER
Sponsored by Merck

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*Please note the program is a draft and subject to change without notice*