



Københavns Universitet

**Differences in in vitro sensitivity and accumulation of anthelmintics in *Trichuris suis* and *Oesophagostomum dentatum***

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*Publication date:*  
2013

*Document Version*  
Early version, also known as pre-print

*Citation for published version (APA):*  
Hansen, T. V. A., Nejsum, P., Friis, C., Olsen, A., & Thamsborg, S. M. (2013). Differences in in vitro sensitivity and accumulation of anthelmintics in *Trichuris suis* and *Oesophagostomum dentatum*: 24th International conference of the World Association for the Advancement of Veterinary Parasitology, Perth, Australia. 25-29 of August, 2013.

24th International Conference of the World Association for the Advancement of Veterinary Parasitology  
Hosted by the Australian Society for Parasitology Inc.  
CONFERENCE PROGRAMME

MONDAY 26 AUGUST

8.15-10.00

OPENING SESSION  
Official Welcome to Country  
  
Premier's Address and other VIPs  
  
Chair: **Andrew Thompson**  
WAAVP: 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*

10.00-10.30

Morning tea

10.30-11.45

PLENARY SESSION: ONE HEALTH  
Chair: Alan LyMBERG  
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*

11.45-13.00	<b>COMMERCIAL LIVESTOCK - GENERAL</b> Room: Riverside Theatre Chair: Peter Rolf	<b>IWAAP5 - FIFTH INTERNATIONAL WORKSHOP ON ARCTIC AND ANTARCTIC PARASITES</b> Room: Meeting Room 1 Chair: Emily Jenkins	<b>CONSERVATION AND WILDLIFE ECOLOGY</b> Room: Meeting Room 2 Chair Stephanie Godfrey	<b>HOST PARASITE RELATIONSHIPS 1</b> Room: Meeting Room 3 Chair: Michael Smout	<b>FUNCTIONAL GENOMICS 1</b> Room: Meeting Room 5 Chair: Bernd Kalinna	<b>DRUG TARGETED SELECTIVE TREATMENT</b> Room: Meeting Room 6 Chair: Robert Dobson	<b>HORSE PARASITES</b> Room: Meeting Room 7 Chair: Gerald Coles	<b>ONE HEALTH 1</b> Room: Meeting Room 8 Chair: Calum MacPherson
11.45-12.00	Achieving veterinary guided parasite control for sustainable veterinary practice. <b>Rob Churchill</b> Crookwell Veterinary Hospital	Echinococcus spp. in northern North America <b>Emily Jenkins</b> University of Saskatchewan	Age-related patterns of infection for an invasive fluke in free-ranging wapiti (Cervus canadensis) in Alberta, Canada <b>Melissa Beck</b> University of Lethbridge	Something's happenin' here: Apparent precocious excystation of Dicrocoelium dendriticum metacercariae in their ant intermediate host <b>Doug Colwell</b> Agriculture and Agri-Food Canada	HelmDB - getting more out of helminth transcriptomes <b>Stefano Mangiola</b> The University of Melbourne	The repeatability of FEC of horses and the implications for targeted selectivetreatment. <b>Miriam Scheuerle</b> Ludwig-Maximilians-Universität	Prevalent gastrointestinal parasites and most efficient deworming protocols in horses under hot dry climates <b>Ghanem Al-Ghamdi</b> Al Baha University	Investigating the suitability of dogs and pigs as animal models forblastocystosis <b>Wenqi Wang</b> The University of Queensland
12.00-12.15	Gastrointestinal nematodes and the technical efficiency of dairy farms <b>Mariska Van Der Voort</b> Institute for Agricultural and Fisheries Research	Lungworms in muskoxen in Norway - a potential threat with warmer climate? <b>Inger Hammes</b> Norwegian Veterinary Institute	Of macropods and nematodes: A novel technique for investigating host-parasite population dynamics <b>Matthew Lott</b> Macquarie University	The Angiostrongylus vasorum transcriptome provides deep insights into theparasite's biology and immunobiology, and prospects for new interventions <b>Brendan Ansell</b> University of Melbourne	The draft Trichuris suis genome <b>Aaron Jex</b> The University of Melbourne	Genetic evaluation of lambs subjected to a targeted selective treatmentanthelmintic regime <b>Andrew Greer</b> Lincoln University	Treatment of equine gastric habronemosis with moxidectin <b>Rolf K. Schuster</b> Central Veterinary Research Laboratory	Parasite contamination of sandpits in public parks and playgrounds in Korea <b>Hee-Jeong Youn</b> Seoul National University
12.15-12.30	An investigation into the current transmission pathway of Taenia ovis in Australia <b>David Jenkins</b> Charles Sturt University	Exploiting parallels between livestock and wildlife systems <b>Hannah Rose</b> University of Bristol	Behaviour, bettings and blood-suckers: using social network models to understand parasite transmission in wildlife populations <b>Stephanie Godfrey</b> Murdoch University	Cytokine expression in the placenta of cattle following inoculation withNeospora caninum throughout gestation <b>Germán Cantón</b> Moredun Research Institute	Organisation of cathepsin cysteine proteases within the Fasciola hepatica genome <b>Krystyna Cwiklinski</b> University of Liverpool	Different exposure indicators to pasture-borne nematodes as tools for selectiveanthelmintic treatment in adult dairy cattle <b>Nadine Ravinet</b> IDELE, French Livestock Institute	Efficacy of ivermectin, pyrantel and fenbendazole treatments against Parascaris equorum infection in foals in southern Australia <b>Kristopher Hughes</b> Charles Sturt University	Zoonotic Enterocytozoon in Thailand: surveillance in humans, domestic animals, and wildlife <b>Hirotake Mori</b> Mahidol University
12.30-12.45	Helminth neurobiology: Identifying the moving targets of cholinergic anthelmintics <b>Richard Martin</b> Iowa State University	Toxoplasma gondii in Scandinavian brown bears <b>Krista Jones</b> Hedmark University College	Trypanosomes and their ectoparasitic vectors on a translocated population of Australian marsupials <b>Judy Dunlop</b> Murdoch University	How does galectin-11 mediate gastrointestinal nematode resistance in sheep? <b>Sarah Preston</b> Monash University	Proteomics of the moulting process in Oesophagostomum dentatum <b>Martina Ondrovics</b> University of Veterinary Medicine Vienna	Can easy-to-measure indicators predict production responses to anthelmintictreatment in dairy cattle? <b>Johannes Charlier</b> Ghent University	Macrocyclic lactone resistance in cyathostomins and Parascaris equorum on Australian horse farms <b>Anne Beasley</b> University of Queensland	Echinococcus control requires dog population management <b>David Heath</b> DNA Investments Ltd
12.45-13.00	Gastrointestinal helminths of camels (Camelus dromedarius) in center of Iran <b>Aiireza Sazmand</b> Institute of Applied-Scientific Education of Jihad-E-Agriculture, MolaSadra Cent	(IWAAP Session) Accounting for detection probability improves Toxoplasma gondiiseroprevalence estimates in arctic foxes <b>Emily Jenkins</b> University of Saskatchewan	Blastocystis in West Australian Wildlife <b>Unaiza Parkar</b> Murdoch University	Neonatal porcine isosporosis does humoral immune response confer protection <b>Anja Joachim</b> Vetmeduni Vienna	RIO kinases of parasitic nematodes <b>Bert Breugelmanns</b> The University of Melbourne	A performance-based targeted selective anthelmintic treatment regime for grazingdairy calves <b>Robin McAnulty</b> Lincoln University	Equine strongylid egg re-appearance period after ivermectin or moxidectin treatment in Italy, the Netherlands and Belgium <b>Donato Traversa</b> University of Teramo	A cryptosporidiosis swimming pool associated outbreak in Kimberley, WesternAustralia <b>Josephine Ng-Hublin</b> Murdoch University
1300-1315					Functional characterisation of S. mansoni egg-secreted proteins usinglentivirus-delivered microRNAs <b>Bernd Kalinna</b> The University of Melbourne	Use of a persistent anthelmintic injection to promote stimulation of a host response to intestinal nematodes in calves <b>Peter Pulford</b> Virbac New Zealand Ltd	Equine parasites commonly anthelmintic resistant in Finland <b>Antti Oksanen</b> Finnish Food Safety Authority Evira	Differences in in vitro sensitivity and accumulation of anthelmintics in Trichuris suis and Oesophagostomum dentatum <b>A/Prof Peter Nejsum</b> University of Copenhagen

Lunch Sponsored by Bayer Healthcare								
13.00-14.00								
14.00-15.15	ACIAR - PARASITE CONTROL AND LIVESTOCK PRODUCTION IN SE ASIA  Room: Riverside Theatre Chair: Douglas Gray	PARASITES AND CLIMATE CHANGE  Room: Meeting Room 1 Chair: Tommy Leung	ONE HEALTH - CRYPTOSPORIDIUM AND GIARDIA  Room: Meeting Room 2 Chair: Una Ryan	ECOLOGY AND EPIDEMIOLOGY - LIVESTOCK  Room: Meeting Room 3 Chair: David Emery	PARASITE ZONOSSES AND TROPICAL MEDICINE  Room: Meeting Room 5 Chair: Santiago Mas-Coma	SCYNEXIS - THE INNOVATIVE SOLUTIONS FOR PARASITICIDE DRUG DISCOVERY  Room: Meeting Room 6 Chair: Kerrie Powell	COMMERCIAL LIVESTOCK - CATTLE  Room: Meeting Room 7 Chair: Brenda Ralston	INTERNATIONAL COMMISSION ON TRICHINELLOSIS  Room: Meeting Room 8 Chair: Alvin Gajadhar
14.00-14.15	Epidemiology, impact and benefits of control, and vectors of surra affecting livestock in Mindanao, Philippines <b>Alan Dargantes</b> <i>Central Mindanao University</i>	More rapid and severe disease outbreaks for aquaculture at the tropics: implications for food security <b>Tommy Leung</b> <i>University of New England</i>	Exploring the variome of human giardial parasites <b>Aaron Jex</b> <i>The University of Melbourne</i>	Application of a Geographical Information System to assess the spatial distribution of Fasciola hepatica infection in dairy cattle herds in Ireland <b>Nikolaos Selemetas</b> <i>University College Dublin</i>	Dogs, Zoonoses and Tropical Beaches <b>Calum Macperhson</b> <i>St. George's University</i>	Carbonic Anhydrase inhibitors as Antimalarials <b>Gillian Fisher</b> <i>Griffith University</i>	Dictyocaulus viviparus infection in adult dairy cows in France: abattoir survey and monitoring of faecal larval excretion and individual/tank milk MSP-ELISA in a high risk dairy farm <b>Christophe Chartier</b> <i>ONIRIS</i>	Assessment of freezing and other sample conditions on the performance of digestion assay for the recovery of Trichinella larvae <b>Alvin Gajadhar</b> <i>Canadian Food Inspection Agency</i>
14.15-14.30	Helminth control in Malaysia: Dealing with anthelmintic resistance <b>Chandrawathani Panchadcharam</b> <i>Ippoh Malaysia</i>	Effects of climate change regarding survival and selection pressure of cattle parasites on pasture <b>Friederike Knapp-Lawitzke</b> <i>Freie Universität Berlin</i>	Assessing calves as carriers of Cryptosporidium and Giardia with zoonotic potential on dairy and beef farms within a water catchment area by mutations scanning <b>Harshanie Abeywardena</b> <i>University of Melbourne</i>	Assessing risk: Spatial trends and environmental risk factors for an emerging liver fluke of sympatric host species in Alberta, Canada <b>Melissa Beck</b> <i>University of Lethbridge</i>	Climate and Global Change Impacts on Vector-Borne Zoonotic Diseases in Europe <b>Santiago Mas-Coma</b> <i>Universidad De Valencia</i>	In vitro effects of novel ruthenium complexes in Neospora caninum and Toxoplasma gondii tachyzoites <b>Andrew Hemphill</b> <i>University of Bern</i>	Evaluating the presence of an emerging parasite, Toxocara vitulorum, in bison in western Canada <b>Brent Wagner</b> <i>University of Saskatchewan</i>	Distribution patterns and predilection muscles of Trichinella zimbabwensis larvae in experimentally infected Nile crocodiles (Crocodylus niloticus) <b>Samson Mukaratirwa</b> <i>University of KwaZulu-Natal</i>
14.30-14.45	Epidemiology of strongyle infections in small ruminants in three management systems in Malaysia <b>Rehana Sani</b> <i>Universiti of Malaysia</i>	Reduction in greenhouse gas emissions associated with sustainable worm control in lambs <b>Philip Skuce</b> <i>Moredun Research Institute</i>	One Health, wildlife and parasites <b>Una Ryan</b> <i>Murdoch University</i>	Prevalence and transmission of Theileria species in dairy cattle in Gippsland, Australia. <b>Elizabeth Read</b> <i>LaTrobe University</i>	Polyparasitism - the ecological complexities and impact of mixed infections <b>RC Andrew Thompson</b> <i>Murdoch University</i>	The effect of genetic and phenotypic diversity on the control of T. cruzi infection using drug interventions <b>Catherine Perez</b> <i>Murdoch University</i>	Epidemiology of Babesia ovata and clinical significance of coinfection with Theileria orientalis in cattle <b>Thillaiampalam Sivakumar</b> <i>National Research Center for Protozoan Diseases</i>	Evaluation of ELISA coupled with confirmatory testing as a surveillance tool for Trichinella infection in Australian wild boar <b>Leigh Cuttell</b> <i>The University of Queensland</i>
14.45-15.00	Trichinellosis in pigs and humans in northern Laos <b>James Conlan</b> <i>Murdoch University</i>	Review of geo-spatial sampling methods for parasite ecology and epidemiology studies <b>Guy Hendrickx</b> <i>Avia-GIS</i>	Molecular prevalence of Cryptosporidium infection in Graded Murrah buffalocalves in Andhra Pradesh state, India <b>Ravipati Venu</b> <i>S. V. Veterinary University</i>	The occurrence of Haemonchus placei in cattle in southern Western Australia – an unexpected finding <b>Abdul Jabbar</b> <i>The University of Melbourne</i>	Zoonotic Primate Malaria in Peninsular Malaysia: Identifying Hotspots of Infection <b>Reuben Sharma</b> <i>University Putra Malaysia</i>	Innovative solutions for parasiticide drug discovery <b>Kerrie Powell</b> <i>SCYNEXIS</i>	A hitherto undetected biosecurity breach leads to a Taenia saginata 'cysticercosis storm' in a New South Wales feedlot <b>David Jenkins</b> <i>Charles Sturt University</i>	Detection of Trichinella murrelli in an imported horse in Canada during routine certified testing of meat for export <b>Brad Scandrett</b> <i>Canadian Food Inspection Agency</i>
15.00-15.15	Zoonotic parasite transmission within a remote northern Laos village – implications for control and the one health concept <b>Amanda Ash</b> <i>Murdoch University</i>	Integrating host, parasite, climate, and management: global change and gastrointestinal nematodes <b>Hannah Rose</b> <i>University of Bristol</i>	Presence and molecular characterization of Giardia and Cryptosporidium in sheep, goats and horses in Greece <b>Nikolaos Tzanidakis</b> <i>Veterinary Research Institute, Hellenic Agricultural Organization Demeter</i>	The Importance of Soil as a Reservoir of Gastrointestinal Nematode Larvae of Sheep <b>Sarah Groat</b> <i>University of New England</i>	Iron Metabolism in Schistosomes: Insights for novel methods for diagnosis <b>Malcolm Jones</b> <i>University of Queensland</i>		The challenge of achieving Toxocara vitulorum and Fasciola gigantica control in developing tropical smallholder large ruminant farming systems: a case study from Laos <b>Luzia Rast</b> <i>University of Sydney</i>	Study on the prevalence of Trichinella spp. in the red fox population in Germany, 2011 <b>Karsten Noeckler</b> <i>Federal Institute for Risk Assessment</i>
15.15-15.45	Afternoon tea							

15.45-17.00	<b>AQUACULTURE ANIMAL HEALTH - Novartis session</b> <b>Room: Riverside Theatre</b> <b>Chair: Barry Hosking</b>	<b>DIAGNOSTICS - FLUKES</b> <b>Room: Meeting Room 1</b> <b>Chair: Terry Spithill</b>	<b>DRUGS AND DRUG RESISTANCE - CATTLE</b> <b>Room: Meeting Room 2</b> <b>Chair: Jozef Vercruyse</b>	<b>DRUG EFFICACY - GENERAL</b> <b>Room: Meeting Room 3</b> <b>Chair: Tom Kennedy</b>	<b>ONE HEALTH 2</b> <b>Room: Meeting Room 5</b> <b>Chair: Yaowalark Sukthana</b>	<b>VACCINES - GENERAL 1</b> <b>Room: Meeting Room 6</b> <b>Chair: Marshall Lightowers</b>	<b>VECTOR BORNE DISEASES - PIROPLASMS</b> <b>Room: Meeting Room 7</b> <b>Chair: Banie Penzhorn</b>	<b>APICOMPLEXAN BIOLOGY 1</b> <b>Room: Meeting Room 8</b> <b>Chair: Nicholas Smith</b>
15.45-16.00	Introduction and Overview <b>Ronald Kaminsky</b> <i>Novartis</i>	Development of recombinant antigen-based serological diagnosis for the detection of Schistosoma japonicum infection in water buffaloes <b>Jose Ma. Angeles</b> <i>Obihiro University of Agriculture</i>	Farmers' Dilemma - Which Expert to Believe Concerning Drug Resistance <b>Jan Van Wyk</b> <i>University of Pretoria</i>	Considerable heterogeneity of the Ca <sup>2+</sup> -activated and voltage-gated K <sup>+</sup> -channel SLO-1 between different clades of nematodes and the potential impact on the interaction of SLO-1 and emodepside <b>Daniel Kulke</b> <i>Freie Universität Berlin</i>	Novel and zoonotic Cryptosporidium species/genotypes identified in fish and goats Papua New Guinea <b>Melanie Koinari</b> <i>Murdoch University</i>	Is antigenicity of bovine lungworm vaccine candidates predictable by in vitro immune cell assays? <b>Deborah Joekel</b> <i>University of Veterinary Medicine Hannover</i>	Investigating the possible presence of Theileria parva carrier cattle in Mnisi area <b>Chimwele Namantala Choopa</b> <i>University of Pretoria</i>	Role of T Regulatory and Th17 Cell during Lethal Plasmodium berghei ANKA and Non-Lethal Plasmodium yoelii infection <b>Tarun Keswani</b> <i>University of Calcutta</i>
16.00-16.15	Parasitic Diseases in South East Asian Aquaculture <b>Supraee Chinabut</b> <i>Department of Fisheries</i>	Characterisation of IgE antibody responses to Anoplocephala perfoliata infection in horses. <b>Gerald Coles</b> <i>University of Bristol</i>	Anthelmintic resistance of cattle gastrointestinal nematodes in 4 European countries <b>David Bartram</b> <i>Zoetis</i>	Xenobiotic-metabolizing system in flukes with focus on phase 1 in Opisthorchis felinus (Trematoda, Platyhelminthes). <b>Mariya Pakharukova</b> <i>Institute of Cytology and Genetics SB RAS</i>	Blastocystis subtype distribution from a variety of animals including Australian native animals <b>Tamalee Roberts</b> <i>Sydney Path</i>	A proposed in silico vaccine discovery pipeline for Neospora caninum <b>Stephen Goodswen</b> <i>University of Technology Sydney</i>	Epidemiological survey of Theileria orientalis in cattle following theileriosis outbreaks in Victoria <b>Piyumali Perera</b> <i>University of Melbourne</i>	Plasmodium falciparum gametocytes: hiding out and growing up <b>Katharine Trenholme</b> <i>Queensland Institute of Medical Research</i>
16.15-16.30	The potential impact of alien invasive parasites on economically important freshwater fish species in the Eastern Cape, South Africa <b>Kyle McHugh</b> <i>North West University</i>	The identification of the rumen fluke, Calicophoron daubneyi, in livestock from the British Isles: Implications for epidemiology and diagnosis of liver fluke <b>Philip Skuce</b> <i>Moredun Research Institute</i>	Anthelmintic resistance in nematodes of beef cattle - results from a survey of Western Australian farms <b>Jenny Cotter</b> <i>Department of Agriculture and Food WA</i>	The Varroa Gate - a novel approach to protect honeybee colonies from Varroa destructor <b>Klemens Krieger</b> <i>Bayer Health Care</i>	Lethal Encephalitozoon cuniculi (genotype III) infection in Steppe lemmings (Lagurus lagurus) <b>Lada Hofmannová</b> <i>University of Veterinary and Pharmaceutical Science</i>	Investigations into cestode development and antigens that form the basis of recombinant vaccines in animal hosts <b>Charles Gauci</b> <i>University of Melbourne</i>	Genetic diversity and host specificity of Theileria equi and Babesia caballi in rural areas of eastern Romania <b>Martina Gallusova</b> <i>University of Veterinary and Pharmaceutical Sciences</i>	Plasmodium falciparum and Plasmodium vivax gametocyte clearance in Melanesian children determined by magnetic fractionation illustrates species-specific differences in malaria transmission <b>Stephan Karl</b> <i>University of Western Australia</i>
16.30-16.45	Comparison study of Clinostomum complanatum (Digenea: Clinostomatidae) in freshwater fish from Riau and Yogyakarta, Indonesia <b>Kurniasih S. Tato</b> <i>Gadjah Mada University</i>	Development of a quantitative DNA diagnostic test for liver fluke in sheep <b>Jody McNally</b> <i>CSIRO</i>	Effects of Ivermectin Long-acting Injection (IVOMEQ® GOLD) on Nematode Parasitism and Weight Gain in First-season Grazing Cattle in Bavaria, Germany <b>Steffen Rehbein</b> <i>Merial GmbH</i>	Efficacy of dinotefuran, permethrin and pyriproxyfen combination spot-on on dogs against Culex pipiens. <b>Michel Franc</b> <i>Ecole Nationale Vétérinaire</i>	One health in action: parasites transmitted among people, pets, wildlife, and the environment in remote and rural communities in Saskatchewan, Canada <b>Emily Jenkins</b> <i>University of Saskatchewan</i>	Vaccination of pigs and lambs against Toxoplasma gondii reduces tissue cyst formation; safer meat for human consumption. <b>Alison Burrells</b> <i>Moredun Research Institute</i>	Babesia lengau possibly incriminated in causing feline babesiosis in South Africa <b>Banie Penzhorn</b> <i>University of Pretoria</i>	Iron deposits in spleens and livers of malaria and schistosoma infected mice <b>Tim St Pierre</b> <i>The University of Western Australia</i>
16.45-17.00	Recent investigations into the aetiology of winter mortality disease in Sydney rock oysters (Saccostrea glomerata) <b>Zoe Spiers</b> <i>NSW Department of Primary Industries State Veterinary Diagnostic Laboratory</i>	Liver fluke: Evaluating coprological diagnostics in sheep <b>Danielle Gordon</b> <i>Moredun Research Institute</i>		Efficacy of a 10% imidacloprid / 4.5% flumethrin collar for preventing the transmission of Cytauxzoon felis by Amblyomma americanum to domestic cats <b>Bob Arther</b> <i>Bayer HealthCare, Animal Health</i>	Endoparasites in Eastern European stray dogs imported to Norway <b>Inger Hamnes</b> <i>Norwegian Veterinary Institute</i>	Neutrophil extracellular traps as innate immune reaction against the emerging apicomplexan parasite Besnoitia besnoiti <b>Carlos Hermosilla</b> <i>Justus Liebig University Giessen</i>	Detection of vector-borne pathogens by molecular methods in ticks and fleas infesting dogs in Albania <b>Cornelia Silaghi</b> <i>LMU Munich</i>	It's easy being green: carbon utilization in a photosynthetic sister of the apicomplexan parasites <b>Christie Foster</b> <i>The University of Sydney</i>
17.00-18.00	<p>PLATINUM SPONSOR SESSION: BAYER</p> <p>Long-term efficacy of an imidacloprid 10 % / flumethrin 4.5 % polymer matrix collar (Seresto®, Bayer) in dogs and its potential to prevent canine leishmaniasis in a hyper-endemic <b>Domenico Otranto</b> <i>University of Bari</i></p> <p>Prevention of tick-borne diseases in dogs using an imidacloprid / flumethrin collar <b>Filipe Dantas-Torres</b> <i>Aggeu Magalhães Research Centre (Fiocruz-PE)</i></p>							
1800 - 1930	Happy Hour (POSTER VIEWING)							

TUESDAY 27 AUGUST								
8.30-9.45	PLENARY SESSION: COMPANION ANIMALS - CHALLENGES FOR THE FUTURE <b>Chair: Robin Gasser</b> Future challenges for parasitology: vector control and one health in the Americas <b>Susan Little</b> <i>Oklahoma State University</i>  Future challenges for parasitology: vector control and one health in Europe <b>Norbert Mencke</b> <i>Bayer - Germany</i>							
9.45-10.15	Morning tea							
10.15-11.30	<b>GENETIC IMMUNITY</b> <b>Room: Riverside Theatre</b> <b>Chair: Dieter Palmer</b>	<b>VECTOR BORNE DISEASE - TRYPANOSOMES</b> <b>Room: Meeting Room 1</b> <b>Chair: Annette Dougall</b>	<b>PARASITES IN THE TROPICS 1</b> <b>Room: Meeting Room 2</b> <b>Chair: James Conlan</b>	<b>DRUG DISCOVERY NATURAL PRODUCTS</b> <b>Room: Meeting Room 3</b> <b>Chair: Peter Holdsworth</b>	<b>PARASITES OF AQUATIC WILDLIFE 1</b> <b>Room: Meeting Room 5</b> <b>Chair: Robert Adlard</b>	<b>COMPANION ANIMAL ZOOSES</b> <b>Room: Meeting Room 6</b> <b>Chair: Peter Deplazes</b>	<b>DRUG RESISTANCE - ECTOPARASITES</b> <b>Room: Meeting Room 7</b> <b>Chair: Andrew Kotze</b>	<b>VACCINES - NEMATODES</b> <b>Room: Meeting Room 8</b> <b>Chair: David Smith</b>
10.15-10.30	Gastro-Intestinal parasite species change in response to selection in the Rylington Merino Flock <b>John Karlsson</b> <i>Dep. Agric. &amp; Food WA</i>	The Resilience of the African Grasscutter ( <i>Thryonomys swinderianus</i> ) to <i>Trypanosoma</i> organisms <b>Maxwell Opara</b> <i>Federal University of Technology</i>	Prevalence of Gastro-Intestinal helminthes and <i>Coccidia</i> in Indigenous Chickens from different agro-climatic zones in Kenya <b>Lydia Helen Kutima</b> <i>Jomo Kenyatta University of Agriculture and Technology</i>	Direct anthelmintic effects of purified chicory extract against <i>Cattlenematodes</i> : preliminary results with <i>Cooperia oncophora</i> <b>Andrew Williams</b> <i>University of Copenhagen</i>	Dicyemid parasites as biological tags to assess the population structure of <i>Sepia apama</i> (giant Australian cuttlefish) in southern Australian waters <b>Sarah Catalano</b> <i>The University of Adelaide</i>	<i>Onchocerca lupi</i> : a neglected canine vector-borne helminth of zoonotic concern <b>Domenico Otranto</b> <i>University of Bari</i>	Cross-Resistance between Fipronil and Lindane in <i>Rhipicephalus</i> ( <i>Boophilus</i> ) <i>Microplus</i> <b>Eleonor Castro-Janer</b> <i>UDELAR</i>	RNA interference (RNAi) in the parasitic nematode <i>Teladorsagia circumcincta</i> and the search for potential marker genes that indicate the activation or not of the RNAi pathway in <i>Caenorhabditis elegans</i> <b>Thomas Tzelos</b> <i>Moredun Research Institute</i>
10.30-10.45	Variation and High Linkage Disequilibrium among OVAR-DRB1, DQA1 and DQB1 loci in Scottish Blackface <b>Nur Mahiza Md Isa</b> <i>University of Glasgow</i>	Trypanosome diversity in cattle and tsetse and their implication for zoonotic diseases in Tanzania <b>Imna Malele</b> <i>Tsetse &amp; Trypanosomiasis Research Institute</i>	Ecto and Endo parasites in free range chickens in rainy season in Mbeere District in Kenya <b>Wambui Hannah Chege</b> <i>Department of Veterinary Pathology</i>	Acaricidal activity of extracts from <i>Caesalpinia gaumeri</i> (Fabaceae) and <i>Havardia albicans</i> (Leguminosae) against the cattle tick, <i>Rhipicephalus microplus</i> resistant to acaricides <b>José Alberto Rosado-Aguilar</b> <i>Universidad Autónoma De Yucatán</i>	Gastrointestinal infections of free-living Indo-Pacific bottlenose dolphins ( <i>Turlops aduncus</i> ) from the Northern Red Sea, Egypt <b>Carlos Hermosilla</b> <i>Justus Liebig University Giessen</i>	The Prevalence, clinical impact and zoonotic significance of <i>Giardia</i> species in dogs and cats in urban areas of southern Germany <b>Louise Pallant</b> <i>Murdoch University</i>	Investigation into the variability of response to the insect growth regulator compounds, dicyclanil and triflumuron in field strains of <i>Lucilia</i> spp blowflies in New Zealand. <b>Ben Brown</b> <i>Novartis Animal Health Australia</i>	Generation of a recombinant <i>Teladorsagia circumcincta</i> antigen using <i>Caenorhabditis elegans</i> <b>Cassandra Longhi</b> <i>Moredun Research Institute</i>
10.45-11.00	Functional investigation of a QTL region affecting resistance to <i>Haemonchus contortus</i> in sheep <b>Philippe Jacquet</b> <i>Veterinary School of Toulouse, France</i>	Identification of the tick ( <i>Ixodes australiensis</i> ) as the vector for <i>Trypanosoma copemani</i> <b>Jill Austen</b> <i>Murdoch University</i>	Evaluation of Dry Season Supplementary Feed Ration on Productivity and Parasitic Diseases of Fulani White Cattle in Nigeria <b>Ayodele Majekodunmi</b> <i>University of Edinburgh</i>	Effect of condensed tannins in gastrointestinal nematodes of sheep under grazing conditions in Uruguay <b>America Mederos</b> <i>National Research Institute For Agriculture (INIA)</i>	Morphological and molecular characterisation of cardiovascular flukes (Digenea: Spirorchidae) from marine turtles in Moreton Bay, Queensland. <b>Phoebe Chapman</b> <i>University of Queensland</i>	Prevalence of <i>Cheyletiella</i> parasitovorax and <i>Trichophyton mentagrophytes</i> in rabbits and guinea pigs in Dutch pet shops <b>Paul Overgaauw</b> <i>Utrecht University, Faculty Of Veterinary Medicine, IRAS, Div. Veterinary Public</i>	Investigations of a suspected cyromazine resistant strain of <i>Lucilia cuprina</i> , the Australian sheep blowfly, and the implications for fly strike control <b>Ben Brown</b> <i>Novartis Animal Health Australia</i>	Mitigating the impact of infection by desensitising sheep to nematode antigens <b>Andrew Greer</b> <i>Lincoln University</i>
11.00-11.15	Comparison of tick resistance of cross-breed Senepol x Limousin with pure-breed Limousin <b>Thomas Hüe</b> <i>Institut Agronomique Néo-Calédonien</i>	Morphological polymorphism of <i>Trypanosoma copemani</i> and description of the genetically diverse <i>T. vegrandis</i> from the critically endangered Australian potoroid, the brush-tailed bettong ( <i>Bettongia penicillata</i> (Gray, 1837)) <b>Craig Thompson</b> <i>Murdoch University</i>	Prevalence of gastrointestinal parasites in humans, dogs and pigs living in a village in Cambodia <b>Tawin Inpankaew</b> <i>Department of Veterinary Disease Biology</i>	BioWorma® for control of nematode parasites of livestock. <b>Malcolm Knox</b> <i>CSIRO Animal, Food And Health Sciences</i>	Parasites of introduced freshwater fish species in Murrumbidgee Basin <b>Margriet van Keulen</b> <i>Utrecht University</i>	Emphasising the importance of travel history and clinical awareness: Cases of canine leishmaniasis in Australia <b>Peter Irwin</b> <i>Murdoch University</i>	Determination of Acaricide Resistance in <i>Rhipicephalus</i> ( <i>Boophilus</i> ) <i>microplus</i> (Acari: Ixodidae) Field Populations of Argentina, South Africa and Australia with the novel Larval Tarsal Test <b>Heinz Sager</b> <i>Novartis</i>	Vaccination with double-domain ASP confers significant protection against <i>Cooperia oncophora</i> challenge infection <b>Edwin Claerebout</b> <i>Ghent University</i>
11.15-11.30	Breeding for breech strike resistance in Merino sheep <b>Johan Greeff</b> <i>Department of Agriculture and Food WA</i>	Infection kinetics and drug susceptibility of the Australian <i>Trypanosoma copemani</i> : a comparative in vitro study with the pathogenic <i>Trypanosoma cruzi</i> <b>Adriana Botero</b> <i>Murdoch University</i>	Zoonotic parasite research in the Caribbean <b>Rosina Krecek</b> <i>Ross University School of Veterinary Medicine</i>	Nematocidal activity of medicinal plants of northern areas against <i>Haemonchus contortus</i> in sheep <b>Farhana Chaudhry</b> <i>University</i>	Host specificity of digenean parasites of nassariid gastropods <b>Leonie Barnett</b> <i>Central Queensland University</i>	Fasciolosis of donkeys and their epidemiological and zoonotic role in Ethiopia <b>Mulugeta Getachew Adako</b> <i>Donkey Sanctuary</i>	Structural and functional studies with H-gal-GP, a major antigenic component of "Barbervax". <b>George Newlands</b> <i>Moredun Research Institute</i>	
11.40-12.40	ORAL POSTER SESSION <b>A walk on the wild side</b> Chair: Susan Kutz	ORAL POSTER SESSION <b>All about tapeworms</b> Chair: David Jenkins	ORAL POSTER SESSION <b>Bite me! - ectos as parasites</b> Chair: Dwight Bowman	ORAL POSTER SESSION <b>Divide and Conquer</b> Chair: Emily Jenkins	ORAL POSTER SESSION <b>The Joe Boray Session – What's new and wonderful in Parasitology</b> Chair: John Dalton	ORAL POSTER SESSION <b>Resistance is futile!</b> Chair: Nick Sangster	ORAL POSTER SESSION <b>Ticked Off!</b> Chair: Domenico Otranto	ORAL POSTER SESSION <b>Who and How Many?</b> Chair: Julie Fitzpatrick

Lunch Sponsored by Novartis Animal Health								
12.40-13.30								
13.30-14.45	<b>DRUG RESISTANCE SMALL - RUMINANTS 1</b> Room: Riverside Theatre Chair: Roger Pritchard	<b>DIAGNOSTICS - APICOMPLEXA</b> Room: Meeting Room 1 Chair: Rebecca Traub	<b>DOG AND CAT PARASITES 1</b> Room: Meeting Room 2 Chair: Anja Joachim	<b>DRUG DISCOVERY</b> Room: Meeting Room 3 Chair: Christian Epe	<b>TEACHING WORKSHOP</b> Room: Meeting Room 5 Chair: Ryan O'Handley	<b>FUNCTIONAL GENOMICS 2</b> Room: Meeting Room 6 Chair: Aaron Jex	<b>IMMUNOLOGY GENERAL</b> Room: Meeting Room 7 Chair: Edwin Clarebout	<b>ONE HEALTH 3</b> Room: Meeting Room 8 Chair: Susan Kutz
13.30-13.45	Can combination anthelmintics be used once resistance to multiple actives has developed? <b>Tania Waghorn</b> AgResearch	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. <b>Rosamond Godwin</b> DAFF, QLD Government	Recent Dirofilaria Spp. distribution information in northern Europe <b>Antti Oksanen</b> Finnish Food Safety Authority Evira	Haem uptake in Schistosoma mansoni <b>Toh Shu Qin</b> Queensland Institute of Medical Research	The ParSCo (Parasitology Summer Course): an EVPC residential-practical course in the heart of the Mediterranean Sea <b>Andreas Chrystosafidis</b> University College Dublin	The genome and transcriptome of Haemonchus contortus: a key model parasite for drug and vaccine discovery <b>Roz Laing</b> University of Glasgow	Gene expression in abomasal lymph node of Scottish Blackface lambs challenged with Teladorsagia circumcincta. <b>Kathryn McRae</b> Teagasc	Update of current knowledge of toxoplasmosis in Australia <b>James Conlan</b> Food Standards Australia New Zealand
13.45-14.00	Lack of efficacy of monepantel against Teladorsagia circumcincta and Trichostrongylus colubriformis <b>Ian Scott</b> Massey University	Advanced studies on coccidian parasites of cattle <b>Mahmoud A. El-Seify</b> Kafrelsheikh University	New insights into diagnosis and epidemiology of Angiostrongylus vasorum in European countries <b>Manuela Schnyder</b> University of Zurich	In vitro and in vivo activities of dicationic diguanidino-compounds against Echinococcus multilocularis metacystodes <b>Andrew Hemphill</b> University of Bern	Progress in developing a "downunder" parasitology e-text <b>David Emery</b> University of Sydney	Haemonchus contortus genome and developmental transcriptome <b>Pasi Korhonen</b> University of Melbourne	Immune responses of sheep against Oestrus ovis (Diptera: Oestridae) associated to gastrointestinal nematode infection <b>Bruna Silva</b> Universidade Do Planalto Catarinense	Four cases of fatal toxoplasmosis in three species of endemic New Zealand birds. <b>Laryssa Howe</b> Massey University
14.00-14.15	First evidence for on-farm multi-drug resistance in sheep parasites in Northern Ireland <b>Stewart Blair</b> Queens University Belfast	Immuno-PCR for detection of Giardia lamblia cysts in water <b>Mingjun Deng</b> Shandong Entry-Exit Inspection and Quarantine Bureau	The efficacy of a topically applied imidacloprid 10% / moxidectin 2.5% formulation (Advocate®, Advantage Multi® Bayer) against immature and adult Spirocerca lupi worms in experimentally infected dogs. <b>Clinton Austin</b> Bayer Animal Health South Africa	Investigation and validation of a potential new drug target for parasitic nematodes <b>Carolyn Behm</b> Australian National University	So, if the only teaching aid in the budget is an old shoebox <b>Dwight Bowman</b> Cornell University	Development of RNA interference in the human hookworm Necator americanus <b>Annette Dougall</b> James Cook University	Predominant natural killer cell proliferation in Belgian Blue cattle with aggravating Psoroptes ovis mange. <b>Charlotte Sarre</b> Ghent University	An Atypical Genotype of Toxoplasma Gondii as a Cause of Mortality in Hector's Dolphins (Cephalorhynchus Hectori) <b>Laryssa Howe</b> Massey University
14.15-14.30	Resistance to monepantel in two nematode species in goats <b>David Leathwick</b> AgResearch	A comparison of sequencing technologies for the screening of Cryptosporidium infections in biological samples <b>Andrea Paporini</b> Murdoch University	Host-parasite proteome from canine faecal samples <b>Francesca Jones</b> Murdoch University	In vitro efficacy of Toltrazuril against Besnoitia besnoiti infection in Vero and HFF cells <b>Bruno Gottstein</b> Institute of Parasitology	Core competencies in veterinary parasitology practicals – A LOGical approach <b>Ryan O'Handley</b> University of Adelaide	Functional analysis of the bovine immunological response against in silico predicted B and T cell epitopes in Rhipicephalus microplus lipocalins (LRMs). <b>Ala Lew-Tabo</b> QAAFI	Semi maturation of bovine monocyte-derived dendritic cells after incubation with Giardia duodenalis <b>Edwin Clarebout</b> Ghent University	Predilection sites of Toxoplasma gondii in goats, sheep and pigs determined by magnetic capture and real-time PCR <b>Jana Jurankova</b> University of Veterinary and Pharmaceutical Sciences
14.30-14.45	A survey investigating gastro-intestinal nematode egg output of sheep following treatment with long acting anthelmintics on farms in New Zealand and Australia <b>Ben Brown</b> Novartis Animal Health	Phylogenetic analysis of Trypanosoma congolense and Trypanosoma vivax detected in naturally infected Nigerian cattle breeds <b>Michael Takeet</b> Federal University of Agriculture		Metaphylactic toltrazuril treatment of dairy calves at risk of coccidiosis - short and long term effects on weight gain <b>Heidi Larsen Enemark</b> Technical University Of Denmark		Functional study of a genetic marker allele associated with resistance to Ascaris suum in pigs <b>Per Skallerup</b> University of Copenhagen	Leishmania australiensis infection in BALB/c nude mice <b>Calia Santos</b> The University of Western Australia	Evidence of the three main clonal Toxoplasma gondii lineages in British wild carnivores. <b>Alison Burrells</b> Moredun Research Institute
14.45-15.15	Afternoon tea Sponsored by Elanco							

15.15-16.30	ELANCO (GOLD SPONSOR) Room: Riverside Theatre Chair: Paul Riga	CONSERVATION AND WILDLIFE GENERAL Room: Meeting Room 1 Chair: Brent Wagner	PARASITES OF AQUATIC WILDLIFE 2 Room: Meeting Room 2 Chair: Nico Smit	DOG AND CAT PARASITES 2 Room: Meeting Room 3 Chair: Byron Blagburn	VACCINES - HAEMONCHUS Room: Meeting Room 5 Chair: Robert Dobson	MOLECULAR EPIDEMIOLOGY Room: Meeting Room 6 Chair: Andrew Thompson	VECTOR BORNE DISEASES - GENERAL Room: Meeting Room 7 Chair: Norbert Mencke
15.15-15.30	The Spinosyns: Discovery and Development of a Novel Parasiticide <b>Daniel Snyder</b> Elanco Animal Health	Christmas Island's parasitic plight <b>Narelle Dybing</b> Murdoch University	Global diversity of parasitic isopods of the Family Cymothoidae <b>Nico Smit</b> North West University	Molecular characterization and PCR detection of Gurltia paralyzans. <b>Marcelo Gomez</b> Universidad Austral De Chile	Barbervax', a potential commercial vaccine for Haemonchus contortus: background, mechanism of action and efficacy studies with housed lambs <b>Julie Fitzpatrick</b> Moredu Research Institute	Molecular characterization and phylogenetic analysis of Fasciola hepatica from Cajamarca, Peru <b>Madoka Ichikawa-Seki</b> Iwate University	MALDI-TOF mass spectrometry for the identification of insect vectors <b>Alexander Mathis</b> University of Zurich
15.30-15.45	The Efficacy of Spinosad for the Control of Pests Infesting Poultry <b>Richard Hack</b> Elanco Animal Health	The susceptibility of native and introduced freshwater fish species to the exotic parasite Lernaea cyprinacea <b>Alan Lybery</b> Murdoch University	Review of the fish tongue biter Cymothoa Fabricius, 1793 (Crustacea: Isopoda: Cymothoidae) in Australian waters <b>Melissa Beata Martin</b> University of Tasmania	Survey of Aelurostrongylus in cats in the UK a comparison with Angiostrongylus in dogs <b>Mark Fox</b> Royal Veterinary College	Barbervax' a potential commercial vaccine for Haemonchus contortus: manufacture and field efficacy trials in Western Australia <b>Brown Besier</b> Department of Agriculture and Food Western Australia	Mitochondrial genome of Angiostrongylus vasorum: comparison with congeners and implications for studying the population genetics and epidemiology of this parasite <b>Namitha Mohandas</b> University of Melbourne	Sugar feeding behaviour and longevity of European Culicoides biting midges <b>Alexander Mathis</b> University of Zurich
15.45-16.00	Spinosad: Development and field use for flea control <b>Daniel Snyder</b> Elanco Animal Health	Centrocestus armatus metacercariae (Digenea: Heterophyidae) induced changes in fish host behavior and susceptibility to predation <b>Vachel Gay Paller</b> University of the Philippines	Revision of taxonomy and biology of anisakid nematodes in Australia <b>Shokoofeh Shamsi</b> Charles Sturt University	Characterisation of cytokine alterations during experimental Babesia gibsoni infection in dogs <b>Alexa Brown</b> Murdoch University	Barbervax', a potential commercial vaccine for Haemonchus contortus: field efficacy trials with sheep in a high risk region of Australia <b>David Smith</b> Moredu Research Institute	Quantitative proteomics in Giardia duodenalis: investigating host origin, assemblage and isolate variation <b>Samantha Emery</b> Macquarie University	*Trypanosoma cruzi* infectivity in triatomines from Brazil may be higher than expected <b>Larissa Reifur</b> Federal University of Paraná
16.00-16.15	Broadening the spectrum - the combination of spinosad with milbemycin oxime <b>Beate Schnitzler</b> Elanco Animal Health	Reappearance of Taenia ovis krabbei muscle cysts in a roe deer (Capreolus capreolus) in Denmark after 60+ years, with a possible role of a grey wolf (Canis lupus) as definitive host <b>Heidi Larsen Enemark</b> Technical University of Denmark	Larval anisakid nematodes from teleost fishes from Lizard Island, Queensland, Australia <b>Abdul Jabbar</b> University of Melbourne	New insights on the biology of Troglstrongylus brevior (Strongylida: Crenosomatidae) <b>Rafael Antonio Do Nascimento Ramos</b> University of Bari	Field test of MRI Haemonchus vaccine efficacy in Merino lambs <b>Malcolm Knox</b> CSIRO Animal, Food And Health Sciences	Molecular Epidemiology of Blastocystis isolates from pre-school children and their own domestic animals <b>Ngyuen Lan</b> National Institute of Hygiene And Epidemiology	Control of Ixodes holocyclus and Ixodes tasmani on the northern brown bandicoot, Isodon macrourus <b>Greta Busch</b> Queensland Alliance For Agriculture and Food Innovation
16.15-16.30		Why history matters? A tale of lungworms and their hosts <b>Guilherme Verocai</b> University of Calgary	Trematodes of New Zealand rocky shore littorinid snails and desiccation stress <b>Katie O'Dwyer</b> University of Otago	Treatment of Dirofilaria repens microfilariaemia with a combination of doxycycline hyclate and ivermectin <b>Alessio Giannelli</b> University of Bari	Simulation study to estimate the minimum vaccine protection required to control Haemonchus contortus in a high risk zone for haemonchosis <b>Robert Dobson</b> Murdoch University	Characterizing population structure and diversity of Australian Eimeria <b>Jess Morgan</b> QAAFI	Preliminary result of a large-scale field trial to evaluate the efficacy of Waterbuck repellent blend (Kobus ellipsiprymnus) in controlling bovine trypanosomosis in Eastern Africa <b>Norber Mbahin</b> International Centre of Insect Physiology and Ecology (Icipe) - Insect Science
16.30-17.30	<p>NOVARTIS SPONSORED SESSION Chair: <b>Arthur Redpath</b> Cestode zoonoses: a one health perspective <b>Susan Little</b> Oklahoma State University</p> <p>Cestode zoonoses: a one health perspective <b>Calum Macpherson</b> St. George's University</p>						
17.30 - 18.30	Happy Hour (POSTER VIEWING) Sponsored by SCYNEXIS						



WEDNESDAY 28 AUGUST

8.30-9.45	<p>PLENARY SESSION: PROPHYLACTICS AND THERAPEUTICS - NEW APPROACHES  <b>Chair: Peter Holdsworth</b>                  Immunomodulatory molecules of <i>F. hepatica</i>: candidates for both vaccine and immunotherapeutic development  <b>John Dalton</b>  <i>McGill University</i></p> <p>Worms - a "license to kill"  <b>Ronald Kaminsky</b>  <i>Novartis - Switzerland</i></p>
9.45-10.15	Morning tea
10.15-11.15	WAAVP PRIZES SESSION
11.15-13.15	<p>ASP/ELSEVIER SESSION</p> <p>Filling the gaps: expression profiling of zoonotic Apicomplexa in definitive hosts  <b>Adrian Hehl</b>  <i>University of Zurich</i></p> <p>Specific and/or unspecific mechanisms of anthelmintic resistance: how could we tackle this conundrum?  <b>Georg von Samson-Himmelstjerna</b>  <i>Freie Universität Berlin</i></p> <p>Wildlife parasitism in a changing climate: shifting boundaries, barriers, and paradigms  <b>Susan Kutz</b>  <i>University of Calgary</i></p> <p>Presidential address  <b>Denise Doolan</b>  <i>President of the ASP</i></p>
13.15-14.15	Lunch
14.15 - 16.30	<p>ASP AGM                  Venue: Perth Zoo</p>

THURSDAY 29 AUGUST								
8.30-10.00	<p>PLENARY SESSION: ANIMAL PRODUCTION AND FOOD SECURITY  <b>Chair: Brown Besier</b></p> <p>Parasitology for the hungrier, warmer, riskier world  <b>Doug Gray</b>  ACIAR</p> <p>Global food security – the impact of veterinary parasites and parasitologists  <b>Julie Fitzpatrick</b>  Moreun Research Institute</p> <p>WAAVP 2015  <b>Lord Trees</b>  University of Liverpool</p>							
10.00-10.15	Morning tea							
10.15-11.30	<b>GLOWORM – Impact of global change on ruminant helminths</b>  <b>Room: Riverside Theatre</b> <b>Chair: Brown Besier</b>	<b>RUMINANTS PROTOZOA</b>  <b>Room: Meeting Room 1</b> <b>Chair: Ryan O’Handley</b>	<b>GENETIC IMMUNITY NATIVE BREEDS: WHATS OLD IS NEW</b>  <b>Room: Meeting Room 2</b> <b>Chair: Mark Sandeman</b>	<b>ECHINOCOCCUS</b>  <b>Room: Meeting Room 3</b> <b>Chair: Johannes Eckert</b>	<b>VACCINES - GENERAL 2</b>  <b>Room: Meeting Room 5</b> <b>Chair: David Heath</b>	<b>DRUG RESISTANCE - SMALL RUMINANTS 2</b>  <b>Room: Meeting Room 6</b> <b>Chair: Roger Pritchard</b>	<b>VECTORS BORNE DISEASES - TICKS</b>  <b>Room: Meeting Room 7</b> <b>Chair: Peter Irwin</b>	<b>PARASITES IN THE TROPICS 2</b>  <b>Room: Meeting Room 8</b> <b>Chair: Chandrawathani Panchadcharam</b>
10.15-10.30	Innovative and sustainable strategies to mitigate the impact of global change on helminth infections in ruminants (GLOWORM) <b>Jozef Vercrusysse</b> Ghent University	Evaluation of factors contributing to the course of natural cryptosporidiosis in calves in Germany <b>Arwid Dausgschies</b> University Leipzig	Red Maasai x Dorper resistance to gastrointestinal parasite infections associated to a panel of SNPs <b>Magda Benavides</b> Embrapa	In vitro and in vivo investigations to develop functional imaging by Positron Emission Tomography (PET) for murine and human alveolar echinococcosis <b>Bruno Gottstein</b> Institute of Parasitology	Immunization studies in rabbits using gut membrane-bound proteins derived from <i>Rhipicephalus appendiculatus</i> , <i>R. evertsi evertsi</i> and <i>Amblyomma variegatum</i> female ticks <b>Lydia Helen Kutima</b> Jomo Kenyatta University of Agriculture and Technology	UK guidelines for worm control - evaluating production, infection and resistance development with use on commercial farms <b>Jane Learmount</b> AHVLA	Morphological and genetic diversity of <i>Rhipicephalus sanguineus</i> <b>Filipe Dantas-Torres</b> Aggeu Magalhães Research Centre (Fiocruz-PE)	Helminths epidemiology and prevalence of gastrointestinal nematodes in cattle of Kirinyaga County, Kenya <b>Francis Njunge</b> Jomo Kenyatta University for Agriculture and Technology
10.30-10.45	GLOWORM - Novel approaches to improve diagnosis of helminth infection and detection of anthelmintic resistance <b>Janina Demeler</b> Freie Universität Berlin	The prevalence and productivity consequences of <i>Cryptosporidium</i> in sheep in Australia <b>Rongchang Yang</b> Murdoch University	Immune responses associated with resistance to adult stages of <i>Haemonchus contortus</i> in sheep <b>Jorge Francisco Gonzalez</b> University of Las Palmas De Gran Canaria	Molecular detection of <i>E. granulosus</i> sheep strain (G1) infections in naturally infected dogs in Punjab (India) <b>Balbir Bagicha Singh Dhaliwal</b> Guru Angad Dev Veterinary & Animal Sciences University	Evaluation of in silico predicted and expressed anti- <i>Rhipicephalus microplus</i> antigens and their elicited immune responses in rabbits <b>Sabine Richards</b> University of Pretoria	Implementation of resistance management practices on commercial sheep and cattle farms in New Zealand <b>Tony Rhodes</b> PGG Wrightson Consulting	Identification of ticks (Acari: Ixodidae) and their bacterial communities by PCR-single-strand conformation polymorphism (SSCP) and DNA sequencing. <b>Clare Anstead</b> University of Saskatchewan	Cattle ticks and tick-borne pathogens, central Nigeria <b>Vincenzo Lorusso</b> The University of Edinburgh
10.45-11.00	GLOWORM: Predicting and combating future helminth threats and infection patterns in livestock in Europe <b>Hannah Rose</b> University of Bristol	The effects of the abortifacient parasite, <i>Neospora caninum</i> on bovine foetuses in early and late gestation <b>Patrick Craig</b> University of Liverpool	Breaking the mould - can resistant animals also be productive <b>Andrew Greer</b> Lincoln University	Emergence of <i>Echinococcus multilocularis</i> in dogs in Canada? <b>Andrew Peregrine</b> University of Guelph	Antigenic diversity in <i>Theileria parva</i> in vaccine stable and African buffalo <b>Johanneke Dinie Hemmink</b> University of Edinburgh	Efficacy of monepantel against multi-resistant gastro-intestinal nematodes in sheep <b>Justin Bailey</b> Novartis Animal Health	Molecular detection of tick-borne pathogens in ticks infesting dogs in south-eastern Romania <b>Mariana Ionita</b> University of Agronomic Sciences and Veterinary Medicine of Bucharest	High prevalence of <i>Schistosoma japonicum</i> in humans and bovines from Northern Samar, the Philippines <b>Catherine Gordon</b> Queensland Institute of Medical Research
11.00-11.15	Spatio-temporal modeling of helminth infections in livestock in Europe <b>Guy Hendrickx</b> Avia-GIS	Detection and characterisation of <i>Giardia</i> spp. in diarrheic calves in Southern Germany <b>Miriam Scheuerle</b> Ludwig-Maximilians-Universität	Sustainable animal production using natural immunity <b>David Piedrafita</b> Monash University	Development of a rat model for the study of alveolar echinococcosis and the different factors that influence the success of the infection <b>Maria Teresa Armua-Fernandez</b> University of Zurich	Characterisation of a new <i>Babesia bovis</i> thrombospondin-related anonymous protein as a novel blood-stage vaccine candidate <b>Ikuo Igarashi</b> Obihiro University of Agriculture	Combination anthelmintics are not magic bullets - they require knowledge and wise use <b>Barry Hosking</b> Novartis Animal Health	Insight into success of tick control and prevalence of transmitted pathogens in urban dogs in Berlin, Germany <b>Georg Von Samson-Himmelstjerna</b> Freie Universität Berlin	Trypanosomiasis vs. Tick-borne Diseases: Production constraints in traditionally managed Fulani White Cattle in Nigeria <b>Ayodele Majekodunmi</b> University of Edinburgh
11.15-11.30	Novel targeted treatment and targeted selective treatment approaches in sheep and cattle <b>Johannes Charlier</b> Ghent University	Histologic Lesions in Bubaline and Bovine Foetuses Infected with <i>Neospora caninum</i> Strains <b>Andreas Chryssafidis</b> University College Dublin	Open Forum discussion: Which approach is right?	Echinococcosis in Khyber Pakhtunkhwa, Pakistan <b>Tayyab Rehman</b> Khyber Medical University	In vitro feeding model for cattle tick vaccine candidate and gene function screening <b>Ala Lew-Tabor</b> The University of Queensland	Anthelmintic resistance of sheep gastro-intestinal nematodes in 3 continental European countries <b>David Bartram</b> Zoetis	Troublesome Ticks: Emerging and Potentially Zoonotic Vector-Borne Diseases in Australia <b>Peter Irwin</b> Murdoch University	
1130-1240	ORAL POSTER SESSION <b>All about Crypto:</b> Chair: Una Ryan	ORAL POSTER SESSION <b>All about Flukes</b> Chair: Santiago Mas-Coma	ORAL POSTER SESSION <b>All about sheep</b> Chair: Brown Besier	ORAL POSTER SESSION <b>Cause and Effect</b> Chair: David Leathwick	ORAL POSTER SESSION <b>Drugs - do they REALLY work?</b> Chair: David Smith	ORAL POSTER SESSION <b>Parasites in my blood!</b> Chair: Paul Torgerson	ORAL POSTER SESSION <b>Pets, Pits and People</b> Chair: Peter Deplazes	ORAL POSTER SESSION <b>Size really doesn't matter - enteric protozoa</b> Chair: Jan Slapeta

12.40-13.30	Lunch (WAAVP AGM) Sponsored by Zoetis							
13.30-14.45	MSD (GOLD SPONSOR) Room: Riverside Theatre Chair: Griff Dalglish	VACCINES - FLUKES Room: Meeting Room 1 Chair: David Piedrafita	CONSERVATION AND WILDLIFE TAXONOMY Room: Meeting Room 2 Chair: Ian Beveridge	DIAGNOSTICS - MOLECULAR Room: Meeting Room 3 Chair: Mark Fox	HOST PARASITE INTERACTIONS Room: Meeting Room 5 Chair: Mal Jones	DRUG RESISTANCE - MOLECULAR Room: Meeting Room 6 Chair: Jim Rothwell	DRUG EFFICACY - SHEEP Room: Meeting Room 7 Chair: Goerg von Samson-Himmelstjerna	ONE HEALTH - ANIMAL PRODUCTION Room: Meeting Room 8 Chair: Matthew Playford
13.30-13.45	<p>Research experience on the practical approach to parasite control in livestock in parts of Southern Africa, a changing scenario</p> <p><b>Dr Tom Strydom</b> Director, MSD Research Unit, Malelane, South Africa</p>	Biochemical characterisation of serine protease inhibitors from <i>Schistosoma japonicum</i> <b>Adebayo Molehin</b> Queensland Institute of Medical Research	Morphological features and molecular characteristics of piroplasms infecting the Platypus ( <i>Ornithorhynchus anatinus</i> ) <b>Andrea Papparini</b> Murdoch University	A high-throughput diagnostic platform for gastrointestinal nematode infections in small ruminants <b>Florian Roeber</b> AusDiagnostics Pty Ltd	Effect of repeated antigen administration on hypersensitivity and faecal moisture content in sheep following infection with <i>Trichostrongylus</i> spp <b>Ryan O'Handley</b> University of Adelaide	Ivermectin-aglycone: A novel P-gp inhibitor to reverse macrocyclic lactone resistance <b>Anne Lespine</b> INRA	Production responses in ewes treated pre-lambing with controlled release capsules containing both anthelmintic and minerals <b>Chris Miller</b> AgResearch Limited	The microbiome of scabies mite infected porcine skin. <b>Katja Fischer</b> Queensland Institute of Medical Research
13.45-14.00		RNAi-Based Screening for Vaccine Targets Identification of <i>Schistosoma mansoni</i> Tegument Proteins <b>Yee Leow</b> Queensland Institute of Medical Research	Novel parabasalid flagellates endosymbiotic in native Australian subterranean termites <b>Linda Ly</b> University of Queensland	Molecular diagnosis and therapeutic trials on fasciolosis in sheep <b>Khalid Mehmood</b> Slamia University of Baha	Do gastro-intestinal nematode infections induce pain in their sheep hosts? <b>Caroline Chylinski</b> INRA	Using next generation sequencing to identify ivermectin resistance loci in <i>Haemonchus contortus</i> . <b>Peter Hunt</b> CSIRO	Effects Of Protein Supplementation On Gastrointestinal Nematode Infestation In Lambs <b>Farhana Chaudhry</b> University	<i>Echinococcus canadensis</i> in slaughtered farmed elk in Southern Alberta, Canada <b>Brenda Ralston</b> Alberta Agriculture and Rural Development
14.00-14.15		Immunomics-based identification of schistosomiasis vaccine antigens: an integrated discovery and validation approach <b>Mark Pearson</b> James Cook University	The micromorphological specializations of the sucking louse <i>Linognathus setosus</i> from the Springbok <i>Antidorcas marsupialis</i> . <b>Edward Green</b> University of Limpopo	High prevalence of <i>Taenia saginata</i> cysticercosis infection in slaughtered dairy cows in Central Europe: a multi-test analysis <b>Ramon Marc Eichenberger</b> University of Zurich	Molecular characterisation of host-pathogen immune mechanisms - Lectin Pathway inhibition by parasitic scabies mites. <b>Simone Reynolds</b> Queensland Institute of Medical Research	Macrocyclic lactone resistance in nematodes: Molecular marker for resistance detection <b>Roger Prichard</b> McGill University	Efficacy of a combination of monepantel and abamectin against naturally acquired gastrointestinal parasites in sheep <b>Peter Rolfe</b> Novartis Animal Health	Migratory pattern of <i>Toxocara cati</i> and <i>Toxocara canis</i> in pigs <b>Peter Nejsum</b> University of Copenhagen
14.15-14.30		Molecular Characterization of Annexin (Anx) and Tetraspanin (TSP) Gene Families from <i>Fasciola hepatica</i> <b>Vignesh Rathinasamy</b> Latrobe University	A novel <i>Babesia</i> spp. associated with morbidity and mortality in eastern grey kangaroos. <b>Christopher Peacock</b> University of Western Australia	Genetic characterization of selected parasites from people with histories of gastrointestinal disorders <b>Anson Koehler</b> University of Melbourne	Scabies mites give bacteria a helping hand - <i>Staphylococcus aureus</i> co-infections of mite infected skin are promoted by mite complement inhibitors <b>Pearl Swe</b> Queensland Institute of Medical Research	Whole genome analysis for macrocyclic lactone resistance markers in <i>Dirofilaria immitis</i> <b>Catherine Bourguinat</b> McGill University	Assessment of monepantel and abamectin sulphone gastrointestinal concentration profiles in sheep: relevance of the kinetics/efficacy relationship <b>Adrian Lifschitz</b> Centro de Estudios Veterinarios (CONICET) Facultad Cs. Veterinaria	Oxfendazole treatment trial to control porcine cysticercosis in Angónia District, Mozambique <b>Stig Milan Thamsborg</b> University of Copenhagen
14.30-14.45		Field Trial in Commercial Irish Farms with Experimental Vaccine Using Recombinant Mutant <i>Fasciola hepatica</i> Cathepsin L1 in Cattle <b>Andreas Chryssafidis</b> University College Dublin	Presence of cryptic species within the nematode genus <i>Cloacina</i> <b>Mary Shuttleworth</b> The University of Melbourne	No more confusion: it is <i>Tritrichomonas foetus</i> based on comparative analysis of <i>Tritrichomonas foetus</i> cat and cattle genotype, and <i>Tritrichomonas suis</i> at ten DNA loci <b>Jan Slapeta</b> University of Sydney	<i>Eimeria bovis</i> modulates endothelial host cell cholesterol metabolism <b>Carlos Hermosilla</b> Justus Liebig University Giessen	Drug-efflux and target-site gene expression patterns in levamisole-resistant <i>Haemonchus contortus</i> . <b>Ranbir Sarai</b> CSIRO Animal, Food and Health Sciences	Ewe but not lamb worm control increases weaning weight of prime lambs <b>Michelle Dever</b> University of New England	Control of <i>Taenia solium</i> : calculation of the minimum number of vaccination/chemotherapy interventions required in pigs per year to achieve control <b>Marshall Lightowers</b> University of Melbourne
14.45-15.15	Afternoon tea Sponsored by MSD							

15.15-16.30	COMMERCIAL LIVESTOCK - SHEEP  Room: Riverside Theatre Chair: Andrew Greer	HOST PARASITE RELATIONSHIPS 2  Room: Meeting Room 1 Chair: Adrian Hehl	DIAGNOSTICS - NEMATODES  Room: Meeting Room 2 Chair: Bill Pomroy	DRUG EFFICACY - ECTOPARASITES  Room: Meeting Room 3 Chair: Douglas Colwell	FUNCTIONAL GENOMICS 3  Room: Meeting Room 5 Chair: Alexander Mathis	DRUG RESISTANCE - SMALL RUMINANTS 3  Room: Meeting Room 6 Chair: Carol Behm	APICOMPLEXAN BIOLOGY 2  Room: Meeting Room 7 Chair: Katherine Trenholme
15.15-15.30	Total tract digestibility is reduced in anorexic parasitized ewes <b>Jos Houdijk</b> SRUC	Opisthorchis viverrini exosomes, a molecular mechanism for host-parasite interactions <b>Javier Sotillo Gallego</b> QTHA - James Cook University	Surprising results for the distribution of and short term variation in cattle faecal worm egg counts <b>Andrew Van Burgel</b> Department of Agriculture and Food Western Australia	Tea tree (Melaleuca alternifolia) oil for the control of sheep lice and myiasis <b>Peter James</b> University of Queensland	Sequencing and characterization of Leishmania australiensis. <b>Christopher Peacock</b> University of Western Australia	A population genetics approach to ivermectin resistance in the parasitic nematode Haemonchus contortus <b>Roz Laing</b> University of Glasgow	Next-generation anti-parasitic agents from Nature <b>Tina Skinner-Adams</b> Griffith University
15.30-15.45	Lower worm egg counts associated with higher ewe body condition score <b>Lewis Kahn</b> University of New England	A granulysin growth factor secreted by the carcinogenic liver fluke, 'Opisthorchis viverrini', and its role in carcinogenesis <b>Michael Smout</b> James Cook University (Cairns)	Prevalence of Strongyloides stercoralis infection in a remote Indigenous community as determined by ELISA testing from dried blood spot for antibodies to the recombinant antigen NIE <b>Kate Mounsey</b> University of The Sunshine Coast	Acaricidal effect of extracts of fruits of Piper tuberculatum against the cattle tick Rhipicephalus microplus <b>Livio Costa-Junior</b> Federal University of Maranhão, Brazil	Transcriptional and functional characterization of cysteine proteases of the bovine lungworm Dictyocaulus viviparus <b>Christina Strube</b> University of Veterinary Medicine Hannover	The in vitro and in vivo response of Haemonchus contortus to benzimidazole treatment: sheep versus goats <b>Marian Varady</b> Institute of Parasitology SAS	Targeting post-translational modification enzymes for malaria therapy <b>Kathy Andrews</b> Griffith University
15.45-16.00	Effect of lambing season on the periparturient egg rise of gastrointestinal nematodes <b>Andrew Peregrine</b> University of Guelph	Membrane biogenesis and renewal of the Schistosoma mansoni tegument <b>Leigh Schulte</b> Queensland Institute of Medical Research	P-Glycoproteins in macrocyclic lactone resistance of equine parasitic nematodes: Functional analysis of putative resistance markers using a yeast expression system <b>Jurgen Krucken</b> Freie Universität Berlin	A multi-site randomised controlled trial to evaluate the efficacy of plastic clips to prevent flystrike in Australian sheep <b>Matthew Playford</b> Dawbuts Pty Ltd	Transcriptome of Cryptosporidium parvum (bovine genotype) in vitro and in vivostages: New insights into the biology of an intestinal parasite <b>Christoph Lippuner</b> University of Zurich	The use of a stochastic model to predict the role of monepantel in combination anthelmintics <b>Barry Hosking</b> Novartis Animal Health	A Humanized Mouse Model for Transmission Blocking Antimalarial Assessment and Discovery. <b>Alice Butterworth</b> Queensland Institute of Medical Research
16.00-16.15	Gastrointestinal nematode control in sheep under three grazing management systems and factors influencing faecal worm egg count <b>Stephen Walkden-Brown</b> University of New England	To serve or to protect? Functional analysis of Fasciola hepatica type 2cystatin. <b>Sasa Stefanic</b> Institute of Parasitology	Evaluation of resistance in a selected field strain of Haemonchus contortus to ivermectin and moxidectin using the Larval Migration on Agar Test <b>Marcelo Molento</b> Universidade Federal Do Parana	Treatment and control of bovine mange infestation with ivermectin long-acting injection (IVOMECS® GOLD) <b>Dietmar Hamel</b> Merial GmbH	In silico analysis of Dermansyssus gallinae transmembrane and excretory/secretory proteins <b>Sabine Schicht</b> University of Veterinary Medicine Hannover	Monepantel resistance selection studies in Teladorsagia circumcincta <b>David Bartley</b> Moredun Research Institute	In vitro and in vivo studies of fenofibric acid-based drug combinations for treatment of malaria <b>Rina Wong</b> University of Western Australia
16.15-16.30	The influence of farmer autonomy on gastrointestinal nematode infection in semi-extensive meat sheep farms <b>Jacques Cabaret</b> INRA	Expression and functional characterization of the R. microplus serpin (RMS-4), a specific Thrombin inhibitor <b>Tao Xu</b> The University of Queensland	Coprophyagy interferes with coproscopical diagnosis of helminth infections in dogs. <b>Rolf Nijse</b> Utrecht University	Canine generalized demodicosis treated with varying doses of Advocate® (moxidectin 2.5% + imidacloprid 10%) (Bayer Animal Health) and oral ivermectin: parasitocidal effects and long-term treatment outcomes <b>Tara Paterson</b> St. George's University	Proteins of the Toxoplasma secretome influence the host epigenome: an in-silico approach <b>Genevieve Syn</b> Telethon Institute for Child Health Research	Molecular genetic analysis of interspecies hybridization between Haemonchus contortus and Haemonchus placei and its implications for the spread of benzimidazole resistance mutations <b>Umer Chaudhry</b> University of Calgary	Potent ex vivo activity of pyronaridine, naphthoquinone and methylene blue against chloroquine resistant field isolates of Plasmodium falciparum and P. vivax <b>Jutta Marfurt</b> Menzies School of Health Research
16.30-17.30	<p style="text-align: center;">PLATINUM SPONSOR SESSION: ZOETIS Pesticide Resistance: From Theory to Practice Chair: <b>Patrick Meeus Zoetis</b></p> <p style="text-align: center;">The Evolutionary Biology of Pesticide Resistance <b>Jeff Scott</b> Cornell University, Ithaca, NY USA</p> <p style="text-align: center;">Lessons from agriculture on adaptive resistance management <b>Tom Walsh</b> CSIRO</p> <p style="text-align: center;">Discussion</p>						
19.00 - 23.30	<p>CONFERENCE DINNER Sponsored by Merial</p>						

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