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<tr>
<td>0800-0830</td>
<td>Official Welcome and announcements – Prof Ala Tabor and Prof Stephen Graves</td>
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<td>0830-0915</td>
<td>Plenary: Professor Pierre-Eduoard Fournier ‘Genomics of Rickettsia species’ CHAIR: Prof John Stenos</td>
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<tr>
<td>0915-1000</td>
<td>Plenary: Professor Catherine Hill ‘Combating tick-borne diseases on a global scale: a roadmap for tick research in the genomics era’ CHAIR: Prof Manuel Rodriguez Valle</td>
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<td>1000-1030</td>
<td>Morning tea - Tully Room</td>
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<td>1030-1045</td>
<td>J. Stephen Dumler No. 185 ‘Anaplasma phagocytophilum induction of host DNA methylation, alternative splicing events, and transcriptional reprogramming’</td>
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<td>1045-1100</td>
<td>Gregory Dasch No. 121 ‘Evolution of autotransporter protein genes in Orientia tsutsugamushi’</td>
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<td>1100-1115</td>
<td>Benjamin Makepeace No. 95 ‘Genomes of trombidiid mites uncover adaptations to parasitism in the scrub typhus vector, Leptotrombium delense’</td>
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<td>1115-1130</td>
<td>Ivo Elliott No. 57 ‘Whole genome sequencing of Orientia tsutsugamushi from chiggers, rodents and humans in Northern Thailand &amp; Laos’</td>
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<td>1130-1145</td>
<td>Gregory Dasch No. 51 ‘Metagenomic Analysis of Species of US Ticks and their Bacteria with the Ion Torrent Personal Genome Machine (PGM)’</td>
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<td>José de la Fuente No. 13 ‘Host-pathogen arms race: insights into molecular mechanisms affected by Anaplasma phagocytophilum infection of tick cells’</td>
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**Concurrent sessions**

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<td>Immunology &amp; Immunity 1</td>
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<td>CHAIR: Prof Isabel de Miranda Santos</td>
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<td>Olivier Plantard No. 97 ‘Taking into account the spatial heterogeneity of agricultural landscapes to explain densities and movements of Ixodes ricinus and prevalence of its associated pathogens’</td>
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<td>1345-1400</td>
<td>Jason Carlyon No. 132 ‘Orientia tsutsugamushi temporally modulates endoplasmic reticulum associated degradation to optimize its intracellular growth’</td>
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<td>Maya Holding No. 120 ‘Occurrence, prevalence and distribution of loping ill virus and tick-borne encephalitis virus in questing Ixodes ricinus ticks in southwest England, and effect of habitat type’</td>
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<td>1415-1430</td>
<td>Hong Ge No. 77 ‘Transcriptional profiles of pro-inflammatory cytokines from human endothelial cells during Orientia tsutsugamushi infection’</td>
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<td>Saravanan Thangamani No. 96 ‘Tick-Virus-Host interface: Nidus of arbovirus transmission’</td>
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<td>1445-1500</td>
<td>Tatsukiwa Nefete No. 20 ‘Tick-borne disease research: Nidus of arbovirus transmission’</td>
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<td>1500-1515</td>
<td>Andrea Daniel Mihalca No. 35 ‘A new enzootic natural cycle for Candidatus Neoehrlichia mikurensis’</td>
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<td>Abdul Jabbar No. 174 ‘Genetic diversity within the Ixodes ricinus complex’</td>
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<td>Remil Galay No. 56 ‘Molecular detection of tick-borne pathogens in blood and ticks collected from cattle in Southern Luzon Island of the Philippines’</td>
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**Program as at 1 August 2017**

*Program subject to change*
1630-1645

Paiadashe Have No. 144

Molecular characterization of vaccine candidates from Anaplasmataceae strains in South Africa

1645-1700

Nadira Akhter No. 69

Prevalence of ticks and tick-borne pathogens transmitted to cattle in northern Bangladesh

Nathalie Vachery No. 88

‘Ehrlichia ruminantium detection using efficient high-throughput molecular method’

1700-1900

Poster Happy Hour - Session 1 - Proudly supported by Fuller Laboratories - Foyer

0006 Marcos André

‘Molecular and serological detection of Rickettsia spp. among wild mammals, domestic dogs and their respective ectoparasites in southern Pantanal, Brazil’

0009 Jeferson Tanaka

‘The effect of bacteria by hemolymph defense from the hard tick Haemaphysalis longicornis’

0029 Rosangela Zaczaros Machado

‘Longitudinal evaluation of humoral immune response and merozoite surface antigens diversity in calves naturally infected with Babesia bovis in Brazil’

0030 Rosangela Zaczaros Machado

‘Genetic diversity of Babesia bovis merozoite surface antigens in cattle in Maputo Province, Mozambique’

0039 Shiladitya Maniraj Shiduj

‘Gene expression and protein localization of vitelligenin receptor in growing oocytes in partenogenetic Haemaphysalis longicornis ticks’

0042 Emad Changi

‘Prevalence of Babesia spp in asymptomatic dogs in different shelters in Semnan province’

0047 Carlin Wood

‘Sero-prevalence and spatial distribution of Coxiella burnetii exposure in beef cattle herds of northern Australia’

0048 Pei-Yun Shu

‘Molecular epidemiology of Orientia tsutsugamushi in Taiwan’

0052 Sarah Torres

‘Q fever in Queensland MLNIQ strain typing of clinical and environmental samples’

0058 Paolina Unterkammerer

‘Comparative metagenomic profiling of Orientia tsutsugamushi infected and noninfected Leptotrombidium species mites’

0061 Manisha Doshihurin

‘Genetic variability of Anaplasmataceae phagocytophilum strains circulating in diverse hosts in Buchbuckridge, Mpumalanga, South Africa’

0073 Timothy Kurti

‘Is antibiosis involved in the exclusion of tick-borne bacteria by the ixode scapularis sambiront Rickettsia buchneri?’

0080 Pavlina Sunukkumaran

‘Distribution of Orientia tsutsugamushi in Leptotrombidium mites, scrub typhus vector and reservoir’

0084 Natasha Pippa

‘The behaviour of Dermacentor ticks infected with pathogens under laboratory conditions’

0089 Rosangela Zaczaros Machado

‘South African buffalo-derived T. parva is distinct from cattle-derived T. parva’

0091 Martin Simuza

‘Serological and molecular epidemiology of Crimean-Congo hemorrhagic fever in Zambia’

0094 Ioana Adriana Matei

‘New host-pathogen associations for Anaplasmataceae phagocytophilum in small mammals in Romania’

0105 Jileksa Popov

‘Conventional and next-generation sequencing provide insights into the bacterial and protozoal microbiome of Australian companion animal ticks’

0112 Sajid Ahmad Khan

‘Human case of Rickettsia felis infection in the Indian Subcontinent’

0117 Dareit Sofia

‘Multiple leguams in Ixodes scapularis’

0118 Jadwiga Thalieskog

‘The distribution and diversity of Bartonella species from rodents and their associated ticks and the seroprevalence of B. henselae and B. quintana in patients’

0122 Thomas Wester

‘First series of cases of Scrub Typhus in Chile’

0123 Thomas Wester

‘Distribution of temperate and tropical lineages of Rhipicephalus sanguineus in Chile’

0126 Didier B. Prasetyo

‘Bartonellosis in Cambodia and Lao People’s Democratic Republic’

0128 Cristina Feres

‘Rickettsial diseases: important causes of undifferentiated fever in Cambodia’

0141 Kelly Brayton

‘Pacific Circular Consensus Sequencing lifts the curtain on the haemoparasite microbiome in wild and domestic South African fields’

0148 Claudio Mata

‘Evolutionary relationship between Nothoaplos amazeniensis (Acari, Ixodidae, Argasidae), the host chiroptera Pteronotus sp. and their habitat’

0152 Claudio Mata

‘Silatproteome of Amblyomma scapularis tick’

0154 Lidia Chitima Dukler

‘First detection of Ehrlichia sp. HF in Ixodes apronophorus a neglected tick species, with new data on hosts and geographical distribution in Romania’

0161 Ricardo Pérez-Sánchez

‘Transmembrane proteins. Mining the Omithodorus moubata midgut transcriptome for vaccine candidates’

0162 Ricardo Pérez-Sánchez

‘Assessment of the protective efficiency of Omithodorus moubata midgut membrane antigens selected as vaccine candidates by reverse vaccinology’

0163 Ricardo Pérez-Sánchez

‘Evaluation of the protective efficiency of Omithodorus erraticus midgut membrane antigens selected as vaccine candidates by reverse vaccinology’

0170 Jeffrey C. Herzw

‘Ticks and tick-borne pathogens in Laos’

0176 La Tirai

‘Prevalence of antibodies against spotted fever group, typhus group rickettsiae and scrub typhus group orientiae among healthy Vietnamese people residing in rural or urban Hanoi’

0183 Yongjin Oh

‘Investigation of tick-borne bacterial and protozoan pathogens in domestic dogs, cattle, and ticks in Zanzibar’

0188 Monica Florin-Christensen

‘Evocation of different conditions for bovine anaplasmosis live vaccine preparation’

0190 Monica Florin-Christensen

‘Expression of GPI-anchored vaccine candidate antigens of Babesia bovis in the free-living ciliate Tetrahymena thermophila’

0204 Jarnapat K. Sawa

‘Thai Fever Risk Map: the online medical warning tool for arthropod-borne diseases in Thailand’

0204 Wittiphon Rodtontamrongsak

‘Utilization of AFRIMS Nawamintharachini model, the military scrub typhus protection strategy in civilian’

0207 May June THU

‘Genetic diversity of Rickettsia spp. in ticks collected from Japan’

0211 Sri Salat

‘Tick-borne encephalitis: the risk of alimentary infection from small mammals in the Czech Republic’

0218 Sandra E. Karpety

‘Plaque purification to recover pure rickettsial isolates from mixed infections’

224 Leonard Schnitger

‘Development of a micro and minisatellite typing system and its application for the study of Babesia ovip population genetics in Turkey’

0227 Germain Vincent

‘Development of an autogenous vaccine to control Coxilila burnetii infection in a dairy goat herd’

0233 Zee Fu Hui

‘Ticks in Australia and the detection of tick-borne agents carried by them’

0237 Viktoria Majláthová

‘Fibrinect - antitick protection using modified polypropylene fibres with an acrylic acid effect’

0238 Viktoria Majláthová

‘Ticks and radio-frequency signals: behavioural response of ticks (Dermacentor reticulatus)’

0245 Nathalie Cunha

‘Frequency of antibodies against Rickettsia rickettsi in dogs of different localities in Rio de Janeiro state, Brazil’

0246 Nathalie Cunha

‘Morphobiological study of Trypanosoma sp. (Protozoot: Kinetoplastida) in Rio de Janeiro, Brazil’

0257 Silvia Wiltowski

‘Transovarial transmission of Anaplasmataceae marginale in Rhipicephalus microplus ticks and evaluation of their capacity to infect a susceptible bovine’

0258 Nathalie Cunha

‘Isolation of Trypanosoma rhizophilicus sp. nov. from Rhipicephalus microplus in Rio de Janeiro, Brazil’

0260 Cori Enright

‘reconstructing roncov zoozoon paranog arthropodous using arconce tissue samples’

0264 Sandra Pérez-Macchi

‘Molecular prevalence of Ehrlichia sp. in domestic dogs from Asunción, Paraguay’

0266 Silvana E. Wiltowski

‘Rickettsiaria parkeri rickettsioses in San Juan, Argentina: a case report’

0273 Rachael Priestley

‘Characterization of the Coxiella Isolate NISP-PAK’

0277 Juan Mosqueda

‘Immunomolecular prospective study of Theileria equi isolate NFSP-AK’

0278 Jory Brinkerhoff

‘Reconstructing historical zoonotic pathogen distributions using archived tissue samples’

0279 Silvina Wilkowsky

‘Transovaric transmission of Trypanosoma sp. (Protozoa: Kinetoplastida) in Rio de Janeiro, Brazil’

0282 Aminul Islam

‘Australian isolates of Babesia bovis in the free-living ciliate Tetrahymena thermophila’

0285 Ram Rathavan

‘Scale issues in assembling evidence of climate change effects on tick-borne diseases’

0287 Mária Kazimírová

‘Effect of bioactive molecules in tick saliva on selected TGF-ß1 coordinated processes in cervical carcinoma cells’
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<td>0830-0915</td>
<td>PROUDLY PRESENTED BY BAYER</td>
<td>Plenary - Professor Peter Irwin</td>
<td>‘The microbes of Australian ticks: their diversity and zoonotic potential’ CHAIR: Dr Bob Rees</td>
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<td>0915-1000</td>
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<td>‘When and where did ticks evolve, with notes on the ticks of Cairns and the</td>
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<td>Wet-Tropics of Australia and New Guinea’ CHAIR: Prof Ali Tabor</td>
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<td>Taxonomy &amp; Evolution 1 CHAIR: Prof Stephen Barker</td>
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<td>Charlotte Oskam No. 105</td>
<td>‘Do we need to rethink Coxiella in Australia?’</td>
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<td>Siew May Loh No. 118</td>
<td>Alejandro Cabezas-Cruz No. 10</td>
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<td>Alexander Gotton No. 53</td>
<td>Gabor Földvör No. 23</td>
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<td>Lida Chlimia-Dobler No. 125</td>
<td>Charlotte Oskam No. 106</td>
<td>‘Frozen in time: Candidatus Borrelia tachyglyss’ in echidnas (Tachyglossus aculeatus) stored in the Queensland Museum’</td>
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<td>1130-1145</td>
<td>Guilherme Klaber No. 158</td>
<td>Allen Richards No. 255</td>
<td>‘Rickettsia asembonensis, Kazakhstan and beyond’</td>
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<td>1145-1200</td>
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<td>Stacey Leech No. 232</td>
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<td>1200-1215</td>
<td>Kirsty M. McCann No. 202</td>
<td>Michael Levin No. 15</td>
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<td>Vaccines &amp; Treatments 2 CHAIR: Prof Jose de la Fuente</td>
<td>Robert Norton No. 66</td>
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<td>1345-1400</td>
<td>‘Bm86 could be used as a substitute carrier instead of KLH in the use of the PO peptide to tick control’</td>
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<td>‘Transmission dynamics of Borrelia afzelii’</td>
<td>Nem-Hyuk Cho No. 64</td>
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<td>‘Prospecting the use of a novel Bm86-based vaccine for integrated Rhipicephalus australis management in New Caledonia’</td>
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<td>‘Tryptophan metabolism and resistance to tick infestations’</td>
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<td>Cecilia Kato No. 222</td>
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<td>‘Significant enhancements to Rickettsia spp. diagnostics: increased sensitivity, accuracy, and application’</td>
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<td>‘Screening of tick-borne pathogens in Caribbean ticks using new High-throughput technologies (DOMOTICK project)’</td>
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<td>‘Antimicrobial and complement system inhibitory functions of peptides from saliva of the cattle tick, Rhipicephalus microplus’</td>
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<td>‘Haemaphysalis longicornis and its associated rickettsiae in Asia’</td>
<td>Ju Jiang No. 136</td>
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0008 Marcus André 'Anaplasmataceae agents among wild mammals, domestic dogs and ectoparasites in Brazilian Pantanal wetland'
0009 Marcus André 'Diversity of piroplasms among wild and domestic mammals and ectoparasites in southern Pantanal, Brazil'
0012 Georg Duscher 'My New old friend' Dermaconter reticulatus'
0017 Birgit Zwerger 'Serum-free in vitro cultivation of Theileria annulata-infected lymphoblastoid cells'
0022 Sándor Szekeres 'Differences in risk of rickettsial infection between rural and urban field-collected ticks in Hungary'
0028 János Unsworth 'Comparison of TPH-1 macrophage gene expression during Cocciaia burnetii Nine Mile phase I and Nine Mile phase II infection'
0031 Michael Levin 'Second-order' Reactivation of Rickettsia in the vector Revisited: Dynamics of R. slovaca transmission by an infected tick'
0043 Teruki Kawabata 'A case control study: Serological investigation for Borrelia miyamotoi disease in Japan'
0045 Ji Li 'Development of a sensitive enzyme-linked immunosorbent assay for scrub typhus using a mixture of recombinant antigens derived from local and universal reference strains'
0048 Akasha Bhons 'Genome sequencing of South African strains of Theileria equi and Babesia capensis: The causative agents of Equine protozoan'
0056 Motohiko Ogawa 'Evaluation of recombinant Orientia tsutsugamushi specific antigens based indirect immunofluorescent assay in diagnosis of scrub typhus'
0060 Dina Kuo et al 'RNAseq analyses of tick midgut through the course of blood- and serum-feeding'
0068 Larissa A. Martins 'Temporal proteomic analysis of tick cells in response to Rickettsia rickettsii infection'
0072 Dzvon Hetkempsjuk 'A cross-sectional surveillance reveal tick phleboviruses in Mediterranean Anatolia, Turkey'
0075 Letícia Gazolla 'Organ-specific proteome of the tick Amblyomma australis'
0082 Marie Jablonka 'Components of tick complement system and their role in the immune response to spirochete Borrelia afzelii'
0086 Sarah Bonnet 'Characterization of ISPI, a serine protease inhibitor implicated in tick feeding and bacterial infection of their salivary glands: preliminary results'
0090 Nathalie Vachiery 'Amblyomma variegatum saliva effects on host immune responses by integrative proteomics and cellular biology approaches'
0093 Ricardo Pérez-Sánchez 'Proteomics informed by transcriptomics for characterising midgut proteome of the argasid tick Ommatius moubata'
0104 Sathe Tiwathompa 'The presence and prevalence of co-existing Orientia tsutsugamushi genotypes in Trombiculid mites'
0110 Shrestha Borg 'Genetic diversity of Orientia strains identified in Northeast, India'
0113 Nathalie Vachiery 'Ehrlichia nunnineum prevalence in ticks and its genetic diversity in Mozambique'
0116 Masahiro Kajihara 'Discovery of genetically diverse phleboviruses in ticks in Zambia'
0117 Sakhrawey Korukul 'Molecular and serological surveillance of Rickettsia spp. in Thailand'
0124 Maria Marlene Martins 'Ticks and Rickettsia in the savannah of Goiás State, Midwestern Brazil'
0126 Maria Marlene Martins 'Behavior and microhabitat use of Amblyomma sculptum and Amblyomma dubitatum nymphs determines different human tick-bite risk'
0127 Maria Marlene Martins 'Free-living ticks (Acar: Ixodidae) on animal trails in Parque Nacional do Iguacu, South of Brazil'
0134 Lida Chirimia-Dobler 'A hard tick in Burmese amber'
0137 Lida Chirimia-Dobler 'Genetic variability of Rickettsia africae in Adama, Oromia Region, Ethiopia'
0143 DeMar Taylor 'Molecular mechanisms of ecdysozytus synthesis in a tick avairy after blood feeding and mating'
0159 Daní Barros Batista 'TICK cell cultures as substrates for pathogen cultivation'
0164 Charlotte Oskam 'Surveying museum collections for ticks that parasite echinids (Achlygnous aculeatus)'
0171 Genovia Bechara 'Ferritin 1 gene silencing-induced morphological changes on Rickettsia sanguineus oogenesis during Ehrlichia canis interaction'
0175 Hannah Conman 'Multiplex sequence analysis of Babesia burgdorferi in an area of increasing Lyme disease incidence'
0179 Elizabeth Wilkie 'Epidemiology of bovine vector-borne pathogens using a new expanded reverse line blot hybridization assay for Babesia, Anaplasm and Trypanosoma species'
0187 Carlos S. Suarez 'Double KO of contiguous sexual stage specific marker genes of B. bovis'
0190 Leonhard Schmitzer 'Comparative analysis of the C1-A cytokine protease repertoire of pathogenic Babesia and Theileria hemoparasitae'
0192 Hang Jin Jeong 'Molecular Epidemiology of Orientia tsutsugamushi from Scrub Typhus Patients in South Korea, 2014-2015'
0194 Jennifer Richardson 'Mapping protein-protein interactions between tick-borne flaviviruses and their different mammalian and tick hosts'
0197 Carlos S. Suarez 'Stable transfection of Babesia bigemina and Babesia bovis using B. bigemina integration and gene expression control sequences'
0203 Ricardo Pérez-Sánchez 'Arcaridial activity of Flurronan' against Ornithodoros moubata and Ornithodoros pusillus argasid ticks by in vitro feeding'
0205 Nataša Pipić 'The behaviour of lacerid lizards under the influence of tick-borne pathogens'
0212 Mónica Florin-Christensen 'Characterization of Babesia bovis glycosylphosphatidylinositol-(GPI)-anchored antigens as vaccine candidates'
0217 Fernando Silva 'IDP pathway controls Rickettsia rickettsii infection in tick cell culture'
0220 Guillaume Klafter 'Transcriptome of Rhipicephalus microplus larvae exposed to Metazacharid anisopliae, pyrethrin and their association'
0221 John A. Scally 'Transfected Babesia bovis as a platform to express exogenous proteins under control of tick stage specific promoters'
0228 Yeong Seon Lee 'Development of an indirect ELISA using recombinant 56-KDa type specific antigen (TS456) for serological diagnosis of Scrub typhus'
0229 Mónica Florin-Christensen 'Rhomboid serine proteases type 4/5 of Babesia bovis as potential new immunotherapeutic targets'
0230 Mónica Florin-Christensen 'Experimental evaluation of Babesia bovis pathogenicity on water buffaloes'
0239 Jör Małkiet 'Is using of animal trails for hiking safe?'
0240 Jör Małkiet 'Testing of behaviour of Dermaconter reticulatus in “questing’ arena’
0244 Aleksandra Torina 'Spotted Fever Group rickettsiae in ticks from Lebanon'
0249 Aleksandra Torina 'A surveillance of canine vector borne pathogens in a restricted insular area'
0253 Aleksandra Torina 'A hard tick in Burmese amber'
0256 Aleksandra Torina 'Systematic analysis of bovine tick-borne diseases in Sicilian Territories'
0258 Aleksandra Torina 'Comparative analysis of the C1-A cytokine protease repertoire of pathogenic Babesia and Theileria hemoparasitae'
0260 Isabel de Miranda Santos 'Modulation of adaptive immune response via toll-like receptors by Babesia bovis saliva prevents pulmonary inflammation in vivo'
0262 Isabel de Miranda Santos 'Rhomboid serine proteases type 4/5 of Babesia bovis: a potential new immunotherapeutic target'
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0359 Simon Caddick 'Is using of animal trails for hiking safe?'
0360 Simon Caddick 'Testing of behaviour of Dermaconter reticulatus in “questing’ arena’
0364 Simon Caddick 'Spotted Fever Group rickettsiae in ticks from Lebanon'
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0468 Simon Caddick 'Experimental evaluation of Babesia bovis pathogenicity on water buffaloes'
**Program cont. as at 1 August 2017**

*Program subject to change*

1700-1900

0269 Renato Andreotti 'New Records on Tick-associated spotted fever group Rickettsia in Amazon-Savannah ecotone, Brazil'
0270 Renato Andreotti 'Bm86 protein epitope polymorphisms: is a global vaccine against cattle ticks possible?'
0271 Renato Andreotti 'Life cycle of Amblyomma mixtum (Acari: Ixodidae) parasitizing different hosts under laboratory conditions'
0272 Renato Andreotti 'Efficacy profile of Cypermethrin and Chlorthopfos based acaricides on Rhipicephalus microplus control on cattle in the rearing phase, naturally infested in central Brazil'
0274 Renato Andreotti 'Wildlife species, Ixodid fauna and new host records for ticks in an Amazon Forest area, Rondônia, Brazil'
0278 Munyugwau Karago 'Clinical usefulness of eschar polymerase chain reaction in treated cases of scrub typhus'
0283 Caitlin O'Brien 'Virus discovery in Ixodes holocyclus'

**Wednesday 30th August**

Day trip to Great Barrier Reef (includes lunch and afternoon tea)

6.30 am
7.00 am
2.00 pm

Meet in Foyer, Ground Level, Pullman Cairns International: Walk to Reef Fleet Terminal

Arrive at Reef Fleet Terminal and board Quicksilver Charter to travel to Great Barrier Reef

Arrive back at Reef Fleet Terminal, Cairns

**Thursday 31st August**

0800-0830

TTP10 Conference Bid Presentations

**Proudly presented by Boehringer Ingelheim**

Plenary: Professor Carlos Suarez

'Improvement approaches for developing novel vaccines against tick and tick borne diseases'

CHAIR: Prof Aia Tabor

0915-1000

Plenary: Professor Daniel Paris

'Recent discoveries in scrub typhus research'

CHAIR: Prof John Stenos

**1000-1030 Morning tea – Tully Room**

Concurrent sessions

**Ballroom 1**

Vaccines & Treatments 3

CHAIR: Prof Carlos Suarez

**Ballroom 2**

Epidemiology, Ecology and Modelling 3

CHAIR: Prof Daniel Paris

1030-1045

Peter Rolls No. 27

'Tick fever vector - hard to improve on imperfection'

Dolores Genné Vizcardo No. 244

'Competition of two Borrelia strains inside the rodent host and the tick vector'

1045-1100

Monica Florin-Christensen No. 231

'Targeted disruption of the B. bovis boxp6-2 does not impair the fitness of the parasite to growth in in vitro cultures'

Sándor Szekeres No. 243

'Vectore-borne pathogens in accidentally died and road killed mammals in urban habitats, Hungary'

1100-1115

Juan Mosqueda No. 278

'Has2, a novel gene in Babesia bigemina is expressed in tick stages and specific antibodies block zygote formation'

Liz McGinley No. 219

'Climate-driven prediction of ixodes ricinus activity in England and Wales – implications for human tick-bite and Borrelia infection risk'

1115-1130

Marie Jalovec No. 85

'Establishment of Babesia microti laboratory model and its experimental application'

Koen Hwe Lee No. 146

'Epidemiology of Severe fever with thrombocytopenia syndrome: SFTSV and migratory bird, person-to-person transmission and SFTSV and Orientia tsutsugamushi infection'

1130-1145

Isabel de Miranda Santos No. 41

'Bovine IgG allotype influence interactions with salivary Immunoglobulin G Binding Protein C from Rhipicephalus microplus ticks and correlative with tick loads in cattle breeds'

Kun-Hsiem Tsai No. 71

'Molecular and epidemiological study of spotted fever group rickettsiae in the Democratic Republic of Sao Tome and Principe'

1145-1200

Manuel Rodriguez Valle No. 122

'Effective vaccine against paralysis symptoms produced by the Australian Parasitism tick (Ixodes holocyclus)'

Epidemiology & Diagnostics 3

CHAIR: Prof Daniel Paris

Nicola E. Collins No. 147

'Anaplasma marginale and A. centrale are widespread in cattle in South Africa'

1200-1215

Veronica Smith No. 129

'The role of the repellency effect of an imidacloprid/ketethrin collar (Seresto® Bayer) against ixodes holocyclus in dogs, in the prevention of transmission of canine vector-borne diseases'

Snoore Stuen No. 26

'Intraepithelial transmission of Anaplasma phagocytophilum in sheep'

**1215-1330 Lunch – Coco’s Restaurant**

Concurrent sessions

**Genetics & Genomics 2**

CHAIR: Prof Petr Kopdek

**Epidemiology & Diagnostics 3 (cont)**

CHAIR: Prof Allen Richards

1330-1345

Andrea C. Fojaca No. 74

'The antimicrobial peptide microplisin is involved in delineating susceptibility to Rickettsia rickettsii infection in Amblyomma ticks'

Stuart Blacksell No. 191

'Review of laboratory-acquired infections associated with Orientia tsutsugamushi and Rickettsia typhi'

1345-1400

B. Michael Roe No. 69

'Tick Haller’s organ and blood feeding: see and smell'

Thomas Weitzel No. 284

'Canine exposure to Orientia spp. in southern Chile – A household-based cross-sectional serosurvey'

1400-1415

Daniel Sjöka No. 69

'Ticks & blood - myths, facts and undiscovered truths'

Matthew T. Robinson No. 65

'Factors affecting the successful in vitro isolation of rickettsial organisms from clinical samples'

1415-1430

Renato Andreotti No. 267

'Differential expression on sialotranscriptomes of Rhipicephalus (Boophilus) microplus fed on resistant and susceptible cattle'

Yen Thon Tech No. 107

'Seroepidemiology and risk factors for Rickettsia felis infections in Australia'

1430-1445

Kgomoeto Sibeko Matjila No. 242

'Regulation of gene expression in Theileria parva isolates maintained in bovine and buffulo lymphoblast cultures'

Maxime Madder No. 138

'Determination of feeding characteristics of 7 dog ticks: Implication for control and prevention of pathogen transmission'

1445-1500

Cláudio Mafra No. 150

'Organizational characterization and comparative analysis of Amblyomma sculputum mitogenome'

Takeshi Hatta No. 241

'Preliminary study on the development of a model for the complete life cycle of Babesia ovata without the need for cattle hosts'

1500-1515

Ar Nijhof No. 245 (One Health)

'Semi-automated in vitro feeding of Dermacentor reticulatus and Ixodes ricinus'

Gerhard Dobler No. 215

'Tick-borne encephalitis – an emerging flavivirus infection in Central Europe'

**1515-1530**

**1615-1645**

**1715-2000**

Meet in Foyer, Ground Level, Pullman Cairns International: Walk to Reef Fleet Terminal

Arrive at Reef Fleet Terminal and board Quicksilver Charter to travel to Great Barrier Reef

Arrive back at Reef Fleet Terminal, Cairns
0915-0930  Roman R. Ganta No. 279
'A genetic system for creating targeted mutations to disrupt and restore genes in Ehrlichia chaffeensis that is broadly applicable to other obligate bacteria'

0930-0945  DeMar Taylor No. 100
'Hormonal and nutrient regulation of reproduction in the soft tick Ornithodoros moubata (Acarina: Argasidae)'

0945-1000  Thomas Karbanowicz No. 157
'Proteomic analysis of Rhipicephalus microplus tick epithelial gut cells'

1000-1015  Cláudio Mafra No. 151
'Proteomic analysis of the Amblyomma sculptum tick intestine'

1015-1030  Alice Marine No. 80
'Molecular characterization of novel mosquito-borne Rickettsia spp. from mosquitoes collected at the demilitarized zone of the Republic of Korea'

1030-1100  Morning tea – Tully Room

1100-1145  Plenary - Professor Ulrike Munderloh
'Mutational analysis of gene function in the Anaplasmataceae'
CHAIR: Prof Stephen Graves

1145-1230  TTP CAREER AWARD and Plenary speech
CHAIR: Prof Ala Tabor

1230-1330  Lunch – Coca’s Restaurant

1330-1415  Plenary - Professor Patricia Nuttall
'The wonders of tick saliva'
CHAIR: Prof Manuel Rodriguez Valle

1415-1500  AWARDS – TTP CAREER AWARD
CHAIRS: Prof J. Stephen Dumler, & Prof Stephen Graves
Kristin Mullins No. 98
'Comparative pan-genome analyzes demonstrate the unprecedented extent to which gene duplication and divergence drive genomic diversity of Orientia tsutsugamushii'
Anthony Gregory No. 186
'Nonantipodal delivery of vaccine candidates improves protection against Q fever'
Alison Luce-Fedrow No. 106
'Comparison of lethal and nonlethal mouse models of Orientia tsutsugamushi reveals T-cell population-associated cytokine signatures correlated with disease or protection'

1415-1500  AWARDS – ASR x 3
CHAIRS: Prof J. Stephen Dumler, & Prof Stephen Graves
Kristin Mullins No. 98
'Comparative pan-genome analyzes demonstrate the unprecedented extent to which gene duplication and divergence drive genomic diversity of Orientia tsutsugamushii'
Anthony Gregory No. 186
'Nonantipodal delivery of vaccine candidates improves protection against Q fever'
Alison Luce-Fedrow No. 106
'Comparison of lethal and nonlethal mouse models of Orientia tsutsugamushi reveals T-cell population-associated cytokine signatures correlated with disease or protection'

1500-1530  AWARDS – TTP Young Scientists
CHAIRS: Prof Ala Tabor & Prof Manuel Rodriguez Valle
Ronel Pienaar No. 78
'A genetic system for creating targeted mutations to disrupt and restore genes in Ehrlichia chaffeensis that is broadly applicable to other obligate bacteria'

1530-1600  Announcements: TTP10, STVM2018
Thank committees

1600  CONFERENCE CLOSE

1600-1700  Thank committees

1700-1800 kosmec's Restaurant

1800-1930  Conference Dinner