



AITHM | AUSTRALIAN INSTITUTE
OF TROPICAL HEALTH & MEDICINE



Cairns
Singapore
Townsville



2014 Australasian Tropical Health Conference

7-9 September 2014, Sea Temple Resort, Palm Cove

Draft programme Sunday 7 September 2014		
12noon	Lunch	
12:50pm	Welcome	Professor Louis Schofield, AITHM & QTHA Director
1:00pm	Plenary Impact of environmental and demographic change on infectious disease and tropical health	Graeme Hugo, University of Adelaide "Population Demographics in the Asia/Pacific" 30 mins Peter Sly, University of Queensland "Emerging Diseases & Environmental health" 30 mins Stephen Graham, Department of Paediatrics, University of Melbourne "Child TB regional issues" (30 mins)
2:40pm	Afternoon tea	
3:00pm	TB Forum, workshop and panel discussion: Challenges of tuberculosis in PNG and the Torres Strait and cross-border TB issues Chair: John Kaldor	Dr Graham Simpson , "TB in the Torres and FNQ - a brief history" (10 mins) Emma McBryde, Burnet Health "Modelling containment of tuberculosis in Western Province, Papua New Guinea" (10 mins) Chris Coulter, Medical Advisor TB CHRISP & Tuberculosis Control, Qld Health "Drug resistant tuberculosis in PNG and the Torres Strait: diagnosis and challenges in laboratory capacity building" (10 mins) Suparat Phuanukoonnon, James Cook University, PNG Institute of Medical Research & WEHI (10 mins) Peter Siba, Director & Chief Executive Officer PNG Institute of Medical Research "PNGIMR's perspective on TB" (10 mins) Geoff Miller, Public Health and Development Practitioner "Putting Policy into Practice: The (daunting) challenge of controlling TB in PNG" (10 mins)
5:00pm	Drinks and canapés poster session	
6:00 – 7:30 pm	AITHM & QTHA public talk Dengue: past, present, future	John McBride, James Cook University & Cairns Hospital "The history of Dengue epidemics in north Queensland, clinical features (including complications) and progress on vaccines against dengue" Greg Devine, Mosquito Control Laboratory, QIMR Berghofer Medical Research Institute "Dengue – what do we do about it?"

		George Milne, University of Western Australia "An individual-based simulation model for dengue transmission in Cairns."
	Free evening	
Program		
Monday 8 September 2014		
9:00am	Plenary 2 <i>Asia/Pacific malaria control & elimination</i>	Ivo Mueller, WEHI "Malaria Epidemiology" 25 mins Tom Burkot, James Cook University 25 mins Steve Knowles, PNG Industry Malaria Initiative 25 mins
10:30am	Morning tea	
11:00am	Symposium <i>Apicomplexan biology</i> Chair: Vicky Avery	Jetsumon Sattabongkot Prachumsri, Mahidol University, Bangkok, Thailand 25 mins Louis Schofield, James Cook University & WEHI 25 mins Nick Smith, James Cook University "Sexual Stage Development of <i>Toxoplasma gondii</i> : The Path to a Transmission-Blocking Vaccine" 25 mins
12:30pm	Lunch	
1:30pm	Symposium <i>Virology</i>	Kirsten Spann, Sir Albert Sakzewski Virus Research Centre, The University of Queensland "The antiviral response of airway epithelial cells in asthma" 25 mins Suresh Mahalingam, Institute for Glycomics, Griffith University "New insights into disease mechanisms caused by arbovirus infections." 25 mins
2:30	Afternoon tea	
3:00pm	Symposium <i>Sexual health & blood borne viruses</i> Chair: Suresh Mahalingam	Andrew Vallely, PNG Institute of Medical Research & UNSW "Sexually transmitted infections in Papua New Guinea: achievements, challenges and the way forward" 25 mins Ken Beagley, Institute of Health and Biomedical Innovation, Queensland University of Technology "Chlamydia trachomatis infections: Unexpected roles of IL-17 and IgG" 25 mins John Kaldor, Kirby Institute, University of New South Wales "New developments in the control of sexually transmitted infection: Programmatic and research implications" 25 mins
4:30pm	Contributed paper Session <i>Community-based Health Promotion and Prevention</i>	Alan Clough, Australian Institute of Tropical Health and Medicine, James Cook University, "Alcohol Control Policies In Indigenous Communities In Queensland Have Unintended Consequences" (20 mins)
5:00pm	Contributed paper session followed by poster session with drinks leading into dinner	Carla Proietti, QIMR Berghofer Institute of Medical Research "Proteome-wide T cell and antibody profiling for rationale vaccine design against malaria" (15 mins) Yazid Abdad, PNG IMR (15 mins) Amy Jones, Eskitis Institute for Drug Discovery "Repurposing of Fingolimod for the Treatment of

		<p>Human African Trypanosomiasis" (5 min) Danika Hill, Walter and Eliza Hall Institute of Medical Research "Opsonising antibodies to <i>P.falciparum</i> merozoites associated with immunity to clinical malaria in Papua New Guinea." (5 min with poster) Padmakana Malakar, James Cook University, "Fighting Parasites with Tropical Flora" (5 min with poster) Hongyou Yu, Queensland Research Centre for Peripheral Vascular Disease, James Cook University "Angiopoietin-2 reduces angiotensin II-induced abdominal aortic aneurysm formation by attenuating angiogenesis and inflammation in apoE-/- mice." (5 min with poster) Tyler Goodine, James Cook University, "Go With the Flow - Continuous Production of Antimalarials with Visible Light" (5 min with poster)</p>
6:30pm	Posters and stand-up dinner	Conference dinner informal poolside
Program Tuesday 9 September 2014		
9.00 – 10.30am	Plenary 3 <i>Environmental Drivers of infectious disease emergence & Impact of natural disasters and emergency response</i>	Archie Clements, Australian National University "Spatial epidemiological tools for control and elimination of tropical infectious diseases" (30 mins) Eric Nilles, Emerging Disease Surveillance & Response, World Health Organization, Division of Pacific Technical Support (DPS) "Impact of natural disasters and emergency response" (30 mins) Rose Spencer, David Sellars, & Tammy Allen, College of Public Health, Medical & Veterinary Sciences, James Cook University "Using a disaster management system to respond to public health emergencies." (15 mins)
10:30am	Morning Tea	
11:00am	Symposium <i>Molecular approaches to Tropical Health</i>	Alex Loukas, James Cook University "Using parasitic worms to treat inflammatory diseases" (25 mins) Lutz Krause, QIMR Berghofer Medical Research Institute (25 mins) Norelle Daly, James Cook University "Tropical plants and animals: exploring their potential in drug design." (25 mins) Aaron Jex, The University of Melbourne (25 mins)
1:00pm	Lunch	
1:45pm	Contributed paper session <i>"Parasitic worms"</i>	Susana Nery, School of Population Health, The University of Queensland, "Impact of WASH and albendazole distribution on infection with soil-transmitted helminths (STHs) in Timor-Leste: initial results of a cluster randomized trial" (10 min) Suzy Campbell, Research School of Population Health, Australian National University "Baseline assessment of water, sanitation and hygiene in the "WASH for Worms" trial, Timor-Leste" (10 min) Mark Pearson, Centre for Biodiscovery and

		<p>Molecular Development of Therapeutics and Australian Institute of Tropical Health and Medicine, James Cook University “Worms and chips: protein array-based identification of schistosome vaccine antigens” (15 mins)</p> <p>Samuel Hundessa, University of Queensland “Investigations into the epidemiology of Lymphatic Filariasis and Resurgence risk after Successful Mass Drug Administration in American Samoa.” (5 min with poster)</p> <p>Kei Owada, Queensland Children’s Medical Research Institute, University of Queensland “The role of soil-transmitted helminth (STH) infections, malnutrition and malaria in the spatial variation of developmental morbidity indicators of children in South-East Asia and selected countries in Africa.” (5 min with poster)</p> <p>Michael Smout, QTHA and Centre for Biodiscovery & Molecular Development of Therapeutics, James Cook University “A granulin growth factor secreted by the carcinogenic liver fluke, <i>Opisthorchis viverrini</i>, and its role in wound healing and carcinogenesis” (5 min)</p> <p>Min Jeong Park, Griffith University, “Longitudinal pilot study of a combined physical-and-educational intervention to control soil-transmitted helminth infection” (5 min)</p>
3:00pm	Contributed paper session virology	<p>David Harley, Australian National University “Mosquitoes, Mobility and Meteorology: The Epidemiology of Dengue in North Queensland” (5 min)</p> <p>Adam Taylor Institute for Glycomics, Griffith University, “Methotrexate treatment causes early onset of disease in a mouse model of Ross River virus-induced inflammatory disease” (5 min)</p> <p>Maheshi Obeysekera, Institute for Glycomics, Griffith University, “An Endothelial Cell Culture Model of Dengue Infection” (5 min with poster)</p> <p>Xiang Liu, Institute for Glycomics, Griffith University, “To investigate the determinations of type I interferon antagonism of Ross River virus (RRV) by comparing RRV field isolates with RRV T48” (5 min with poster)</p> <p>Márcia Bianchi dos Santos, Universidade Federal de Juiz de Fora, Brazil “Avian Coronavirus In Wild Birds In Brazil Mb Santos” (5 min)</p>
3:30pm	Closing	
4:00pm	Afternoon tea	