

Webster Centre-QRW Programme

National Symposium on Infectious Diseases: key opportunities and emerging therapies

7-8th September, 2017

Rydges Hotel, Queenstown, New Zealand

Thursday 7th September		
Time	Details	Location
8:45 – 8:55 am	S1: Introduction and opening remarks Andy Mercer – <i>Webster Centre and One Health Aotearoa, University of Otago</i> Session sponsored by One Health Aotearoa and Webster Centre, University of Otago	Clancys Room
8:55 – 9.30 am	Plenary talk: Professor Elizabeth Hartland Department of Microbiology and Immunology, University of Melbourne <i>sponsored by Integrated DNA Technologies</i> <i>“Legionella intracellular replication”</i>	Clancys Room
9:30 – 10.00 am	Nigel French, Massey University <i>“Genomic anatomy of slow-burn epidemics”</i>	Clancys Room
10.00 – 10.30 am	Morning Tea	Trades Area
	S2: Genomic approaches to combat infectious disease Chair: James Ussher	Clancys Room
10.30 – 11.00 am	Deborah Williamson, Peter Doherty Institute for Infection and Immunity <i>“Applying genomics to outbreak investigations”</i>	Clancys Room
11.00 – 11.30am	Professor David Murdoch University of Otago, Christchurch <i>sponsored by BGI</i> Sponsored by New Zealand Food Safety Science & Research Centre <i>“Infectious Diseases within an Increasingly Connected Ecosystem”</i>	Clancys Room
11.30 – 12.00pm	Htin Aung University of Otago, Dunedin <i>“Whole-genome sequencing for the management of drug-resistant tuberculosis in Myanmar”</i>	Clancys Room
12.00 – 12.30pm	Mike Taylor, University of Auckland <i>“Bacterial community collapse: the microbiome in chronic sinus disease”</i>	Clancys Room

12.30 – 1.30pm	Lunch	Trades Area
1.30 – 2.15pm	<p>S3: Fighting Back: drug discovery, AMR and vaccines Chair: Tim Stinear</p> <p>Plenary Talk: Professor John Blanchard Department of Biochemistry, Albert Einstein College of Medicine</p> <p><i>Sponsored by Ferrier Research Institute - Victoria University of Wellington</i></p> <p><i>“Tuberculosis: Searching for an Achilles Heel”</i></p>	Clancys Room
2.15 - 2.35pm	<p>Susanne Gebhard, University of Bath <i>sponsored by Thermo Fisher Scientific</i></p> <p><i>Sponsored by Department of Microbiology and Immunology, University of Otago</i></p> <p><i>“Flux-sensing by transporter/kinase pairs - need-based activation of antibiotic resistance”</i></p>	Clancys Room
2.35 – 2.55pm	<p>Glen Carter, Peter Doherty Institute for Infection and Immunity <i>sponsored by Millennium Science New Zealand</i></p> <p><i>“Do biocides and topical antibiotics play a role in the emergence of multidrug-resistant Staphylococcus aureus?”</i></p>	Clancys Room
2.55 – 3.15 pm	<p>Dr Jacelyn Loh, University of Auckland <i>sponsored by Merck & pH Scientific</i></p> <p><i>Sponsored by Maurice Wilkins Centre for Molecular Biodiscovery</i></p> <p><i>“TeeVax – A multivalent T-antigen-based vaccine against Group A Streptococcus”</i></p>	Clancys Room
3.15- 3.30 pm	<p>Josh Ramsay, School of Biomedical Sciences, Curtin University</p> <p><i>Sponsored by Department of Microbiology and Immunology, University of Otago</i></p> <p><i>“The majority of multi-drug resistance plasmids in Staphylococcus aureus are mobilisable by novel conjugation mechanisms”</i></p>	Clancys Room

3.30 – 4.00pm	Afternoon tea	
	S4: Infection and Immunity Chair: Nikki Moreland <i>Session sponsored by One Health Aotearoa and Webster Centre, University of Otago</i>	Clancys Room
4.00 – 4.35pm	Amy Chung, Peter Doherty Institute for Infection and Immunity <i>sponsored by Abacus ALS</i> <i>“Systems Serology: Profiling humoral immunity against infectious diseases”</i>	Clancys Room
4.35 – 5.10pm	Tim Stinear, Peter Doherty Institute for Infection and Immunity <i>“TB under the sea: rethinking the origins of Mycobacterium tuberculosis”</i>	Clancys Room
5.10 – 5.30 pm	Dr Ayesha Verrall, University of Otago, Wellington <i>“Innate Factors in Early Clearance of Mycobacterium tuberculosis”</i>	Clancys Room
5.30 – 5.45 pm	James Ussher, University of Otago <i>“When the drugs don’t work: a role for innate-like T cells?”</i>	Clancys Room
6.30 – 9.00pm	Beer and pizza poster session, Rydges Hotel <i>Poster session sponsored by Maurice Wilkins Centre for Molecular Biodiscovery</i>	Clancys Room

Friday 8th September		
Time	Details	Location
	National Symposium on Infectious Diseases: key opportunities and emerging therapies S5: <u>Plenary Session:</u> Chaired by Andy Mercer <i>Session sponsored by One Health Aotearoa and Webster Centre, University of Otago</i>	
8:45 – 9.30 am	Eng Eong Ooi, Duke-NUS Medical School, Singapore <i>“Emerging solutions for emerging infections”</i>	Clancys Room

9:30 – 10:00 am	Jaclyn Pearson, Department of Microbiology and Immunology, University of Melbourne <i>“The orchestration of life and death by bacterial gut pathogens”</i>	Clancys Room
10.00 -10.30am	Morning Tea	Trades Area
	S6: - Structural insight into infectious disease and viral pathogenesis Chair: Kurt Krause <i>Session sponsored by Peter Doherty Institute for Infection and Immunity</i>	Clancys Room
10.30 – 10:50am	Matloob Husain, University of Otago, Dunedin <i>“The restriction of influenza A virus by host: a new player in the game”</i>	Clancys Room
10:50 – 11.10am	Gary Evans, Ferrier Research Institute - Victoria University of Wellington <i>“Imino-C-Nucleosides; A New Class of Broad Spectrum Antivirals”</i>	Clancys Room
11.10 – 11.30am	Jodie Johnston, University of Auckland <i>“Structural Perspectives into Menaquinone Biosynthesis in Mycobacterium tuberculosis”</i>	Clancys Room
11.30 – 11:50am	Robert Fagerlund, University of Otago <i>“Structure and function of a type I-F CRISPR adaptation complex”</i>	Clancys Room
11:50 – 12.10pm	David Goldstone, University of Auckland <i>“A structural link between retroviral restriction by Trim5alpha and the autophagosome”</i>	Clancys Room
12:10 – 12:30pm	Jeremy Raynes, University of Auckland <i>“Using structural biology to inform the design of T-antigen based vaccines for Group A Streptococcus”</i>	Clancys Room
12.30 – 1.30pm	Lunch	Trades Area

	<p>S7: Proffered papers session Chair: Debbie Williamson</p> <p><i>Session sponsored by School of Biomedical Sciences, University of Otago</i></p>	Clancys Room
1.30 – 1.45pm	<p>Simon Swift, University of Auckland</p> <p><i>“Rapid selection of an appropriate antibiotic”</i></p>	Clancys Room
1.45 – 2.00pm	<p>John Hale, Blis Technologies, Dunedin <i>sponsored by Merck & pH Scientific</i></p> <p><i>“Alternative action- Probiotics for antibiotic reduction”</i></p>	Clancys Room
2.00 – 2.15pm	<p>Richard Fong, Massey University</p> <p><i>“Why Individualized Medicine Matters”</i></p>	Clancys Room
2.15 – 2.30pm	<p>David Ackerley, Victoria University</p> <p><i>“Repurposing the FDA-approved anthelmintic niclosamide as an antibacterial agent”</i></p>	Clancys Room
2.30 – 2.45pm	<p>Siouxie Wiles, University of Auckland</p> <p><i>“New Zealand fungi as a source of new antibiotics: our adventures in crowdfunding”</i></p>	Clancys Room
2.45 - 3.00pm	<p>Leyla Bustamante, Malaria Programme, Wellcome Trust Sanger Institute, Cambridge</p> <p><i>“Synergistic malaria vaccine combinations identified by systematic antigen screening”</i></p>	Clancys Room
3.00 – 3.15pm	<p>Joanna Hicks, University of Waikato</p> <p><i>“The role of the FitAB toxin-antitoxin system in the maintenance of the carrier population of Neisseria gonorrhoeae”</i></p>	Clancys Room
3.15 – 3.30pm	<p>Elham Torbati, University of Otago, Dunedin</p> <p><i>“What can viruses teach us about inflammation?”</i></p>	Clancys Room
3.30 – 4.00pm	Afternoon tea	Trades Area

4.00pm – 5.00pm	S8: Closing Plenary: Chair: Greg Cook	Clancys Room
4.00 – 4.45pm	Mike Kelso, Faculty of Science Medicine and Health, University of Wollongong <i>Session sponsored by Department of Microbiology and Immunology, University of Otago</i> <i>“Towards antibacterials targeting novel mechanisms”</i>	Clancys Room
4.45pm – 5.00pm	Closing Remarks: Greg Cook, Nikki Moreland and Andy Mercer	Clancys Room