



Programme: One Health Aotearoa - A Symposium on Infectious Diseases

Venue: Nordemeyer Lecture theatre, Wellington

Day 1: 22nd March

Start	Speaker	Session
9.55-10.00am		Introductions
		Foodborne and enteric disease (Chair Prof David Murdoch)
10.00-10.30	A/Prof Martyn Kirk (Australian National University)	Global burden of foodborne infections
10.30-10.50	Prof Nigel French (Massey University)	The emergence of <i>Campylobacter jejuni</i> ST-6964 in poultry and humans in New Zealand: a new twist in the campy story
10.50-11.10	Prof John Crump (University of Otago)	Invasive <i>Salmonella</i> infections in Africa
11.10-11.30	A/Prof Adrian Cookson (AgResearch)	<i>Escherichia coli</i> community diversity – hitch-hiking for the solution
11.30-11.45		Short break
		Pathogen evolution (Chair Prof Stephen Chambers)
11.45-12.05	Dr Patrick Biggs (Massey University)	The core genome and beyond: comparative bacterial pathogenomics and functional gene analysis in foodborne pathogens
12.05-12.25	Prof Paul Gardner (University of Canterbury)	A profile-based method for identifying functional divergence of orthologous genes in bacterial genomes
12.25-12.45	Dr Tim Vaughan (University of Auckland)	The phylodynamics of seasonal influenza in New Zealand
12.45-1.45		Lunch
		Prevention, Policy, Social responsibility and Communication (Chair Prof Michael Baker)
1.45-2.05	Peter Griffin (Science Media Centre)	Effective communication by scientists – what should society expect?
2.05-2.25	Dr Siouxsie Wiles (University of Auckland)	Effective communication by scientists – what is special about infectious disease?
2.25-2.45	Dr Scott Gallacher (Ministry for Primary Industries)	Preventing foodborne diseases – What do regulators and policy makers expect from scientists?
2.45-3.05	Prof John Potter (Ministry of Health)	Preventing infectious diseases – What do regulators and policy makers expect from scientists?
3.05-3.25	Dr Susan Jack (University of Otago)	Evaluating a national prevention programme for Rheumatic Fever
3.25-4.00		Afternoon tea
		Open session (Chair Dr David Hayman)
4.00-4.20	A/Prof Patricia Priest (University of Otago)	Taking care in the garden. Risk factors for <i>Legionella longbeachae</i> Legionnaires' disease: case control study
4.20-4.40	Dr Richard Hall (ESR)	MinION nanopore sequencing for the detection of pathogens
4.40-5.00	Dr Xochitl Morgan (University of Otago)	Biogeographic relationships in the gut microbiome: lessons learned from <i>Macaca mulatta</i>
		Preferred papers (Chair A/Prof Patricia Priest)
5.00-5.15	Dr Matloob Husain (University of Otago)	Histone deacetylase 1: a newly identified antiviral host factor of influenza A virus
5.15-5.30	Dr Sofia Khanum (Massey University)	Large outer membrane channels – chink in the armour of Gram-negative bacteria
5.30-5.45	Dr Samuel Bloomfield (Massey University)	Evolution of <i>Campylobacter</i> in a persistently colonised human host
5.45-6.00	Dr David Welch (University of Auckland)	Directly estimating epidemic curves from genomic data
6.00-6.45pm		Networking drinks and refreshments

Day 2: 23rd March		
		Modelling transmission dynamics (Chair Dr Jackie Benschop)
8.30-8.50	Dr Carolyn Gates (Massey University)	Controlling infectious disease through the targeted manipulation of contact network structure
8.50-9.10	Prof Mick Roberts (Massey University)	How mathematical epidemiology became a field of biology
9.10-9.30	Dr Julia Gog (University of Cambridge, UK)	Spatial transmission of 2009 pandemic influenza in the US
		Responding to emerging infectious diseases (Chair Prof John Crump)
9.30-9.50	Prof Michael Baker (University of Otago)	Pandemics: Would a typology improve our ability to prepare and respond?
9.50-10.10	Dr David Hayman (Massey University)	Policy and Science for Global Health Security: Lessons from the West African Ebola Outbreak
10.10-10.30	Prof John Mackenzie (Curtin University, Australia)	Emerging viral infections
10.30-11.00		Morning tea
11.00-11.20	Prof Paul Klenerman (University of Oxford, UK)	New vaccine approaches for infectious diseases
		Anti-Microbial Resistance - New research, strategies for management and control (Chair Dr Debbie Williamson)
11.20-11.40	Prof Greg Cook (University of Otago)	New TB drugs work by a common mechanism
11.40-12.00	Dr Mark Thomas (University of Auckland)	Antimicrobial stewardship: how to prolong the utility of available antibiotics
12.00-12.20	Dr Shirley Crawshaw (Ministry of Health)	Development of a national antimicrobial resistance strategy
12.20-12.40	Dr Mark Bryan (Vet South / NZ Veterinary Association)	My family and other animals: AMR and Antimicrobial use in animal health
12.40-1.40		Lunch
		Interfaces in epidemiology 2 (Chair Dr Carolyn Gates)
1.40-2.00	A/Prof Andrea 't Mannetje (Massey University)	Antibiotics and chronic conditions in childhood; is there a link?
2.00-2.20	Dr David Wilkinson (Massey University)	Wild animals as reservoirs of novel and emerging paramyxoviruses.
2.20-2.40	Dr Jackie Benschop (Massey University)	Leptospirosis: a global disease but a local phenomenon
2.40-3.00	Dr Simon Kingham (University of Canterbury)	What can geohealth add to infectious disease research?
3.00-3.15		Short break
		One Health - the big picture (Chair Prof Nigel French)
3.15-3.35	Dr Peter Jolly (Massey University)	Strengthening Epidemiology Capacity within a One Health framework in South Asia
3.35-3.55	Prof David Murdoch (University of Otago)	One Health Aotearoa: opportunities and aspirations
3.55-4.15	Discussion	The One Health Aotearoa alliance - where to next....
4.15pm		Close