

4th OHA Symposium Programme

12 December 2018 | Day 1

- 9.00am Registration
9.45am Mihi whakatau

Antimicrobial resistance

Chair: James Ussher

- 10.00am Alison Mather QUADRAM INSTITUTE BIOSCIENCE, UK
PLENARY Sources, spread and sequencing: Using genomics for a One Health perspective on antimicrobial resistance
- 10.30am Jack Heinemann UNIVERSITY OF CANTERBURY
INVITED Antibiotic stewardship requires an integrated approach to minimising the chemical exposome
- 10.50am Sarah Mitchell UNIVERSITY OF OTAGO
PROFFERED Understanding AMR in New Zealand
- 11.05am Leah Toombs-Ruane MASSEY UNIVERSITY
PROFFERED Exploring pet ownership as a risk factor for community-acquired extended spectrum β -lactamase and AmpC β -lactamase infection in humans
- 11.20am Pippa Scott UNIVERSITY OF OTAGO, CHRISTCHURCH
INVITED Whole-genome sequencing of *Staphylococcus aureus* isolates from a New Zealand primary school
- 11.40am Kay Ramsay UNIVERSITY OF OTAGO
PROFFERED Comparison study of the antimicrobial susceptibility of *Pseudomonas aeruginosa* isolated from the environment and people with cystic fibrosis
- 11.55am Lunch

One Health Economics

Chair: GERARD PRINSEN

- 1.00pm Shaun Awatere MANAAKI WHENUA – LANDCARE RESEARCH
INVITED Whakatipu Rawa mā ngā uri whakatipu – Enhancing the well-being of future generations
- 1.20pm Sue Cassells MASSEY UNIVERSITY
INVITED Is it time to estimate what we are willing to pay for drinking water free of contamination?

Emerging infectious diseases I

Chair: Libby Harrison

- 1.40pm Colleen Lau AUSTRALIAN NATIONAL UNIVERSITY, AUSTRALIA
PLENARY Globalisation of One Health and Emerging Infectious Diseases
- 2.10pm Cord Heuer MASSEY UNIVERSITY
PROFFERED Emergence of a new *Leptospira* strain causes public health concerns
- 2.25pm Sandy Slow UNIVERSITY OF OTAGO, CHRISTCHURCH
PROFFERED Characterising the (epi+)Genome of *Legionella longbeachae* Serogroup 1 Clinical Isolates
- 2.40pm David Hayman MASSEY UNIVERSITY
INVITED Infectious disease transmission at the human-animal interface in rural Uganda
- 3.00pm Leah Grout UNIVERSITY OF OTAGO, WELLINGTON
PROFFERED Dairy cattle exposure and zoonotic disease in New Zealand
- 3.15pm Afternoon tea

Emerging infectious diseases II

Chair: Sarah Jefferies

- 3.50pm
INVITED Lucia Rivas INSTITUTE OF ENVIRONMENTAL SCIENCE AND RESEARCH
Yersiniosis – a One-Health approach for a growing problem in New Zealand
- 4.10pm
PROFFERED Reed Hranac MASSEY UNIVERSITY
Association of ebolavirus spillover and birthing patterns of African bats
- 4.25pm
PROFFERED Marie Moinet MASSEY UNIVERSITY
Leptospira infection at the wildlife/livestock interface in New Zealand: results from a cross-sectional study
- 4.40pm
PROFFERED Nick Wilson UNIVERSITY OF OTAGO, WELLINGTON
The 1918 influenza pandemic and persisting lessons for modern day New Zealand

Poster session

- 4.55-
6.00pm Poster session, refreshments and nibbles

13 December 2018 | Day 2

Mahinga kai and mātauranga Māori

Chair: Patricia Priest

- 9.00am
PLENARY Garth Harmsworth MANAAKI WHENUA – LANDCARE RESEARCH
A Te Ao Māori perspective of ecosystems to explore complex multi-faceted issues and challenges in One Health
- 9.30am
INVITED Georgia Bell INSTITUTE OF ENVIRONMENTAL SCIENCE AND RESEARCH
Mahinga Kai He Pou Herenga Tāngata, Haere Ake Nei, Haere Ake Nei: The Development of a Food Safety Framework for Mahinga Kai
- 9.50am
PROFFERED Thomas Devine UNIVERSITY OF OTAGO
Organ-Altering Microbes: The Role of the Microbiome in the Regeneration of *Xenopus laevis* tadpole tails
- 10.05am
INVITED Donna Cormack UNIVERSITY OF OTAGO, WELLINGTON
Critical approaches to health research: how racism can affect our research
- 10.25am Morning tea

One Health science and policy

Chair: Htin Lin Aung

- 10.55am
INVITED Dacia Herbulock SCIENCE MEDIA CENTRE
Science in the media – spin, hype and a growing role for experts
- 11.15am
PROFFERED Ian Fuller MASSEY UNIVERSITY
Global Health: A catchment systems approach
- 11.30am
INVITED Annette Bolton INSTITUTE OF ENVIRONMENTAL SCIENCE AND RESEARCH
Cross-sectoral Action Required for Adaptation to Climate Mediated Health Impacts
- 11.50am
PROFFERED Tamara Riley AUSTRALIAN NATIONAL UNIVERSITY, AUSTRALIA
One Health Approach to Animal Health and Management in a Remote Aboriginal Community
- 12.05pm
INVITED Juliet Gerrard PRIME MINISTER'S CHIEF SCIENCE ADVISOR
Rigorous, transparent, accessible and inclusive – interpreting principles for science advice in the context of Aotearoa, New Zealand
- 12.25pm Lunch

Water quality

Chair: Russell Death

- 1.25pm
PLENARY Ross Thompson UNIVERSITY OF CANBERRA, AUSTRALIA
The emerging issue of pharmaceutical residues in freshwaters: an ecological perspective
- 1.55pm
PROFFERED Adrian Cookson AGRESEARCH AND MASSEY UNIVERSITY
From Tibet to Pukaha: genomic analysis of *Escherichia coli* isolated from a mainland island bush environment

- 2.10pm
PROFFERED Louise Thornley UNIVERSITY OF OTAGO, WELLINGTON
Threats to water quality from storm and flood events: A seven decade analysis for New Zealand
- 2.25pm
INVITED Olga Pantos INSTITUTE OF ENVIRONMENTAL SCIENCE AND RESEARCH
Microplastics in the environment: implications for the microbial world
- 2.45pm
PROFFERED Shahista Nisa MASSEY UNIVERSITY
Metabarcoding with MinION: Pathogenic *Leptospira* in Environmental Water samples
- 3.00pm Short break

Infectious diseases and inequality

Chair: Rob Lake

- 3.10pm
INVITED Michael Maze UNIVERSITY OF OTAGO, CHRISTCHURCH
Zoonotic infections and inequality: leptospirosis in Tanzania
- 3.30pm
PROFFERED Jo-Ann Stanton UNIVERSITY OF OTAGO
Reliable sample preparation technology for Point-of-Need applications
- 3.45pm
INVITED Sandra Hotu AUCKLAND DISTRICT HEALTH BOARD AND UNIVERSITY OF AUCKLAND
Stop counting, do something! A decolonising approach to address health inequity for Māori with chronic airways disease

One Health Aotearoa

Chair: Jackie Benschop

- 4.05pm
CO-DIRECTORS Nigel French and David Murdoch ONE HEALTH AOTEAROA CO-DIRECTORS
One Health Aotearoa update
- 4.15pm Discussion
- 4.30pm Conference closes
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