

## Preliminary 4<sup>th</sup> OHA Symposium Programme

### 12 December 2018 | Day 1

9.00am Registration  
9.45am Mihi whakatau

#### Antimicrobial resistance

10.00am Alison Mather QUADRAM, UK  
PLENARY TBA

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  $\beta$ -lactamase and AmpC  $\beta$ -lactamase infection in humans

11.20am Pippa Scott UNIVERSITY OF OTAGO, CHRISTCHURCH  
INVITED TBA

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

#### Emerging infectious diseases

1.00pm Colleen Lau AUSTRALIAN NATIONAL UNIVERSITY, AUSTRALIA  
PLENARY Globalisation of One Health and Emerging Infectious Diseases

1.30pm Cord Heuer MASSEY UNIVERSITY  
PROFFERED Emergence of a new *Leptospira* strain causes public health concerns

1.45pm Sandy Slow UNIVERSITY OF OTAGO, CHRISTCHURCH  
PROFFERED Characterising the (epi+)Genome of *Legionella longbeachae* Serogroup 1 Clinical Isolates

2.00pm David Hayman MASSEY UNIVERSITY  
INVITED Infectious disease transmission at the human-animal interface in rural Uganda

2.20pm Short break

2.25pm Leah Grout UNIVERSITY OF OTAGO, WELLINGTON  
PROFFERED Dairy cattle exposure and zoonotic disease in New Zealand

2.40pm Reed Hranac MASSEY UNIVERSITY  
PROFFERED Association of ebolavirus spillover and birthing patterns of African bats

2.55pm Marie Moinet MASSEY UNIVERSITY  
PROFFERED *Leptospira* infection at the wildlife/livestock interface in New Zealand: results from a cross-sectional study

3.10pm Afternoon tea

#### One Health Economics

3.40pm Shaun Awatere MANAAKI WHENUA – LANDCARE RESEARCH  
INVITED Whakatipu Rawa mā ngā uri whakatipu – Enhancing the well-being of future generations

4.00pm Sue Cassells MASSEY UNIVERSITY  
INVITED Is it time to estimate what we are willing to pay for drinking water free of contamination?

## Food safety and security

- 4.20pm Lucy Rivas INSTITUTE FOR ENVIRONMENTAL SCIENCE AND RESEARCH  
INVITED Yersiniosis – a One-Health approach for a growing problem in New Zealand
- 4.40pm Michael Baker UNIVERSITY OF OTAGO, WELLINGTON  
INVITED TBA

## Poster session

- 5.00pm Poster session, refreshments and nibbles

## 13 December 2018 | Day 2

### Mahinga kai and mātauranga Māori

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

### One Health science and policy

- 10.50am Dacia Herbulock SCIENCE MEDIA CENTRE  
INVITED TBA
- 11.10am Ian Fuller MASSEY UNIVERSITY  
PROFFERED Global Health: A catchment systems approach
- 11.25am Annette Bolton INSTITUTE FOR ENVIRONMENTAL SCIENCE AND RESEARCH  
INVITED Cross-sectoral Action Required for Adaptation to Climate Mediated Health Impacts
- 11.45am Tamara Riley AUSTRALIAN NATIONAL UNIVERSITY, AUSTRALIA  
PROFFERED One Health Approach to Animal Health and Management in a Remote Aboriginal Community
- 12.00pm Juliet Gerrard PRIME MINISTER'S CHIEF SCIENCE ADVISOR  
INVITED Rigorous, transparent, accessible and inclusive – interpreting principles for science advice in the context of Aotearoa, New Zealand
- 12.30pm Lunch

### Water quality

- 1.25pm Ross Thompson UNIVERSITY OF CANBERRA, AUSTRALIA  
PLENARY The emerging issue of pharmaceutical residues in freshwaters: an ecological perspective
- 1.55pm Adrian Cookson MASSEY UNIVERSITY  
PROFFERED From Tibet to Pukaha: genomic analysis of *Escherichia coli* isolated from a mainland island bush environment
- 2.10pm Louise Thornley UNIVERSITY OF OTAGO, WELLINGTON  
PROFFERED Threats to water quality from storm and flood events: A seven decade analysis for New Zealand
- 2.25pm Olga Pantos INSTITUTE FOR ENVIRONMENTAL SCIENCE AND RESEARCH  
INVITED Microplastics in the environment: implications for the microbial world
- 2.45pm Shahista Nisa MASSEY UNIVERSITY  
PROFFERED Metabarcoding with MinION: Pathogenic *Leptospira* in Environmental Water samples
- 3.00pm Short break

### Infectious diseases and inequality

- 3.10pm Michael Maze UNIVERSITY OF OTAGO, CHRISTCHURCH  
INVITED Measuring the double burden of livestock zoonoses: leptospirosis in Tanzania as a case study

3.30pm Jo-Ann Stanton UNIVERSITY OF OTAGO  
PROFFERED Reliable sample preparation technology for Point-of-Need applications

3.45pm Sandra Hotu UNIVERSITY OF AUCKLAND  
INVITED Stop counting, do something! A decolonising approach to address health inequity for Māori with chronic airways disease

## One Health Aotearoa

4.05pm Nigel French and David Murdoch ONE HEALTH AOTEAROA CO-DIRECTORS  
CO-DIRECTORS One Health Aotearoa update

4.15pm Discussion

4.30pm Conference closes

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