

Preliminary 8th OHA Symposium Programme Massey University, Wellington | 6-7 December 2022

Day 1 | 6 December 2022

9.45am Mihi whakatau & opening comments

Session 1

Chair: Nigel French & Rose Collis

- 10.00am PLENARY Alison Mather QUADRAM INSTITUTE
Global epidemiology of antimicrobial resistance: Where and for what should we be looking
- 10.30am INVITED Isabelle Pattis INSTITUTE OF ENVIRONMENTAL SCIENCE & RESEARCH
Antimicrobial resistance in Ōtautahi's wastewater
- 10.50am PROFFERED Aline Parolin MASSEY UNIVERSITY
Antimicrobial resistance and genetic background of non-typhoidal Salmonella enterica strains isolated from Brazil
- 11.05am PROFFERED Sophie van Hamelsveld INSTITUTE OF ENVIRONMENTAL SCIENCE & RESEARCH
Bacterial response to antibiotics altered by emerging organic contaminants, implications for environmental transmission of antibiotic resistance
- 11.20am INVITED Sara Burgess MASSEY UNIVERSITY
Potential sources, transmission routes and vectors of antimicrobial resistant *Escherichia coli* isolated from pastoral and freshwater sites
- 11.40am PROFFERED Emma Voss UNIVERSITY OF OTAGO
New Zealand wide survey of *Staphylococcus aureus* strains in dairy cows shows conserved multidrug resistance and dominance of endemic ST1 strain type
- 11.55pm Lunch

Session 2

Chair: Kristin Dyet

- 1.00pm PLENARY Philippa Howden-Chapman UNIVERSITY OF OTAGO, WELLINGTON
TBA
- 1.30pm PROFFERED Sue Huang INSTITUTE OF ENVIRONMENTAL SCIENCE & RESEARCH
Shivers community and household cohorts in response to COVID-19 pandemic and influenza infection in New Zealand
- 1.45pm INVITED Sandra Steel UNIVERSITY OF MELBOURNE
Operationalisation of One Health: preparedness and response to EIDs and zoonoses in Australia
- 2.05pm PROFFERED Sharla McTavish UNIVERSITY OF OTAGO, WELLINGTON
Socioeconomic and ethnic disparities associated with severe community-acquired pneumonia in Aotearoa

Session 3

Chair: TBA

- 2.20pm
INVITED Jens Hammerl GERMAN FEDERAL INSTITUTE FOR RISK ASSESSMENT
Emergence of multidrug-resistant *Vibrio parahaemolyticus* in imported seafood in Germany: Genetic basis and transmissibility of resistance plasmids
- 2.40pm
PROFFERED Megan Devane INSTITUTE OF ENVIRONMENTAL SCIENCE & RESEARCH
Exploring the bacterial community signatures in waters contaminated with faecal sources
- 2.55pm
PROFFERED Holly Gray MASSEY UNIVERSITY
The genetic epidemiology of extended-spectrum beta-lactamase producing *E. coli* within the Manawatū region
- 3.10pm
INVITED Mike Bunce INSTITUTE OF ENVIRONMENTAL SCIENCE & RESEARCH
The multiple applications of environmental DNA (eDNA) technologies across Aotearoa New Zealand
- 3.30pm Afternoon tea break

Session 4

Chair: Kevin Crews

- 4.00pm
PLENARY Andrew Old MINISTRY OF HEALTH
The new Public Health Agency within Ministry of Health
- 4.30pm
PROFFERED William Halliday BEEF + LAMB NEW ZEALAND
Protecting your Patch – practical biosecurity for livestock farmers
- 4.45pm
PROFFERED Arindam Basu UNIVERSITY OF CANTERBURY
Connecting the dots: how to build One Health surveillance integrating human, animal, food, genomics, and telemedicine for planetary scale pandemic preparedness

Session 5

Chair: Krista Dawson & Iain Lamont

- 5.00-
6.15pm 1 minute flash presentations from poster presenters + poster session and nibbles

Day 2 | 7 December 2022

Session 6

Chair: Iain Lamont & Sharla McTavish

- 9.00am
PLENARY David Aanensen UNIVERSITY OF OXFORD
TBA
- 9.30am
INVITED Rob Lake INSTITUTE OF ENVIRONMENTAL SCIENCE & RESEARCH
Global Burden of Foodborne Disease – a World Health Organization Initiative
- 9.50am
PROFFERED Lisa Hulme-Moir GRIBBLES VETERINARY LABORATORIES
Salmonellosis in cats and dogs in Aotearoa New Zealand
- 10.05am
INVITED Stefan Hertwig GERMAN FEDERAL INSTITUTE FOR RISK ASSESSMENT
Yersinia infections in Europe: What is known thus far and problems we face
- 10.25am Morning tea break

Session 6 cont

- 11.00am
INVITED Joanne Kingsbury/Kerushini Govender INSTITUTE OF ENVIRONMENTAL SCIENCE & RESEARCH AND
MINISTRY FOR PRIMARY INDUSTRIES
Recent incursion of *Salmonella Enteritidis* affecting humans, animals, and poultry

11.20am Scott McDougall COGNOSCO, ANEXA VETERINARY SERVICES
PROFFERED Detection of MRSA of likely human origin in a dairy herd

11.35am Jan Powell INSTITUTE OF ENVIRONMENTAL SCIENCE & RESEARCH
PROFFERED Organ-on-a-chip for studying zoonotic pathogens

Session 7

Chair: Sharla McTavish

11.50am Patrick Biggs MASSEY UNIVERSITY
INVITED The genomics of the New Zealand *Mycoplasma bovis* outbreak

12.10pm Amy Burroughs MINISTRY FOR PRIMARY INDUSTRIES
PROFFERED Are we there yet? Determining the evidence required to demonstrate *Mycoplasma bovis* eradication from Aotearoa

12.25pm Peter Adu VICTORIA UNIVERSITY OF WELLINGTON
PROFFERED Investigating psychological and demographic factors linked to COVID-19 vaccine uptake willingness and immune status in India and New Zealand

12.40pm Amanda Kvalvsig UNIVERSITY OF OTAGO
INVITED Will the 2020s be the decade of elimination in Aotearoa New Zealand

1.00pm Lunch

Session 8

Chair: Kristin Dyet

2.00pm Anneka Anderson UNIVERSITY OF AUCKLAND
PLENARY Using Rheumatic Fever as a Lens to Elucidate Health Inequities for Māori and Pacific People in Aotearoa

2.30pm Helen Moewaka Barnes MASSEY UNIVERSITY
INVITED One Health concepts and practices within te ao Māori

2.50pm Dianne Sika-Poatonu UNIVERSITY OF OTAGO
INVITED TBA

Session 9

Chair: TBA

3.10pm Te Pora Thompson and Nigel French TE NIWHA CO-DIRECTORS
INVITED Te Niwha – the Infectious Diseases Research Platform

Session 10

3.30pm Iain Lamont and Kristin Dyet OHA CO-DIRECTORS
One Health Aotearoa update & closing comments

3.45pm Mihi whakatau