

## 6<sup>th</sup> OHA Symposium Programme

### Day 1 | 8 December 2020

9.00am Registration opens at OHA Regional Hubs

9.45am Mihi whakatau

#### Session 1

Chair: David Murdoch

10.00am Ashley Bloomfield MINISTRY OF HEALTH  
PLENARY Lessons so far from New Zealand's response to the COVID-19 Pandemic

10.30am Shaun Hendy UNIVERSITY OF AUCKLAND  
INVITED Mathematical Models for COVID-19 in Aotearoa New Zealand

10.50am Jemma Geoghegan UNIVERSITY OF OTAGO  
INVITED Genomic epidemiology of COVID-19 in Aotearoa

11.10am Petra Muellner EPI-INTERACTIVE  
PROFFERED Taking the black box out of disease models to improve their use and interpretation – fool's dream or a new frontier?

11.25am Michael Baker UNIVERSITY OF OTAGO, WELLINGTON  
INVITED The COVID-19 elimination strategy: Implications and opportunities for New Zealand

#### Session 2 – OHA Poster Pitch

11.45am 1 minute flash presentations from poster presenters  
PROFFERED

12.10pm Lunch (CATERING PROVIDED FOR ATTENDEES REGISTERED AT OHA REGIONAL HUBS)

#### Session 3

Chair: Iain Lamont

1.10pm Ruth Zadoks UNIVERSITY OF SYDNEY  
PLENARY Antimicrobial resistance: How is it a One Health problem?

1.40pm Deborah Paull UNIVERSITY OF CANTERBURY  
PROFFERED Prevalence of antibiotic resistant bacteria in surface drinking waters

1.55pm Siouxsie Wiles UNIVERSITY OF AUCKLAND  
INVITED Sewers for superbug surveillance

2.15pm Rose Collis MASSEY UNIVERSITY  
PROFFERED Metagenomic analysis and culture-based methods to examine the prevalence and distribution of antibiotic resistance on two New Zealand dairy farms

2.30pm Sharon Gardiner CANTERBURY DISTRICT HEALTH BOARD  
INVITED Antimicrobial stewardship in Canterbury and beyond

2.50pm Sophie van Hamelsveld UNIVERSITY OF CANTERBURY  
PROFFERED Aquatic mahinga kai as a vector of antimicrobial resistance

3.05pm Afternoon tea (CATERING PROVIDED FOR ATTENDEES REGISTERED AT OHA REGIONAL HUBS)

## Session 4

Chair: Nigel French

- 3.35pm  
INVITED Mary van Andel MINISTRY OF PRIMARY INDUSTRIES  
One Health - national disease control programmes
- 3.55pm  
INVITED Richard Winkworth MASSEY UNIVERSITY  
The kauri dieback pathogen – evolution to diagnostics
- 4.10pm  
PROFFERED Geoff Noller UNIVERSITY OF OTAGO  
It is like 'hanging in the wind'. Farmers' experiences with *Mycoplasma bovis* and the associated processes

## Session 5

- 4.25pm  
PROFFERED Shovon Chakma UNIVERSITY OF QUEENSLAND  
Public health implications of within live poultry market avian influenza A/H5 environmental contamination in Dhaka, Bangladesh: a longitudinal study
- 4.40pm  
PROFFERED Kevin Crews OSPRI  
"Endemic Disease Management meets the Internet-of-Things": A marriage made in heaven.....literally

## Day 2 | 9 December 2020

### Session 6

Chair: Kristin Dyet

- 9.30am  
PLENARY Matire Harwood UNIVERSITY OF AUCKLAND  
Titori whakamuri, kokiri whakamua: a kaupapa Māori perspective of COVID-19
- 10.00am  
INVITED Bevan Erueti MASSEY UNIVERSITY  
"Ngā taonga tuku iho": Pūrākau centred research in human and environmental health
- 10.20am  
INVITED Jane Kitson KITSON CONSULTING  
Murihiku Cultural Water Classification System- a management framework for cultural uses
- 10.40am Morning tea (CATERING PROVIDED FOR ATTENDEES REGISTERED AT OHA REGIONAL HUBS)

### Session 7

- 11.10am  
PLENARY Orin Levine BILL & MELINDA GATES FOUNDATION  
Rising to the challenge of equitable, rapid scaling of COVID-19 vaccinations
- 11.40am  
INVITED Sarah Jefferies INSTITUTE OF ENVIRONMENTAL SCIENCE AND RESEARCH  
The epidemiology of coronavirus disease 2019 in New Zealand and impacts of the national response
- 12.00pm  
INVITED Susan Morpeth COUNTIES MANAKAU DISTRICT HEALTH BOARD  
Randomised controlled trials of treatment for COVID-19
- 12.20pm  
PROFFERED Rhodri Harfoot UNIVERSITY OF OTAGO  
Characterization of the first SARS-CoV-2 isolates from New Zealand
- 12.35pm  
PROFFERED Axel Heiser AGRESEARCH  
MicroRNA based diagnostic of infectious diseases in human and animals
- 12.50pm Lunch (CATERING PROVIDED FOR ATTENDEES REGISTERED AT OHA REGIONAL HUBS)

## Session 8

Chair: Jo McKenzie

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- 1.50pm Edward Holmes UNIVERSITY OF SYDNEY  
PLENARY Zoonoses and the Emergence of SARS-CoV-2
- 2.20pm Miguel Quiñones-Mateu UNIVERSITY OF OTAGO  
INVITED Rapid response to an emergent virus: Initial SARS-CoV-2 research at University of Otago
- 2.40pm Joshua Freeman CANTERBURY DISTRICT HEALTH BOARD  
INVITED Indoor ventilation and COVID-19 transmission: lessons for NZ
- 3.00pm Short break

## Session 9

- 3.10pm Margaret Leonard INSTITUTE OF ENVIRONMENTAL SCIENCE AND RESEARCH  
PROFFERED Pathogens and indicators in freshwater
- 3.25pm Rebecca French UNIVERSITY OF SYDNEY  
PROFFERED The impact of farming and urbanisation on viral diversity and abundance in a New Zealand river
- 3.40pm Alex Macmillan UNIVERSITY OF OTAGO  
INVITED The “post” COVID-19 “recovery” must be a transformative turning point

## Session 10

- 4.00pm David Murdoch and Nigel French ONE HEALTH AOTEAROA CO-DIRECTORS  
One Health Aotearoa update
- 4.10pm Closing comments