

Programme

Rā Tuatahi Day 1 – Tuesday 12 November 2024

Day Host – Tā Ashley Bloomfield (Interim CEO – Institute for Environmental Sciences & Research)

ROOM RHLT1

- 9.00 am Mihi Whakatao
- 9.15 am **Te Pora Thompson** | Te Mana Whakahaere o Te Niwha – Director
Strong, Prepared & Unified – Te Niwha in Review Presentation
Building world-class research capability – Scholarship Awards
- Te Niwha Doctoral Scholarship 2024**
Jacqueline Ormsby Ngāti Maniapoto, Takiari – Te Wānanga o Waitaha
- Te Niwha Masters Scholarships 2024**
Brittany Meafou, Te Wānanga o Waitaha
Jackson Smeed-Tauroa, Ngaati Korokii-Kahukura – Te Herenga Waka
Janaya Stevenson, Te Atiawa o Taranaki – Ōtākou Whakaihū Waka
Meghna Patel, Waipapa Taumata Rau
Matija-Taatoa Sucich, Ngāti Kuri (Pohotiare), Rurutu Noa (Tahiti) – Waipapa Taumata Rau
Gabrielle Mulcare, Ngāti Tama ki Taranaki, Ngāti Pamoana – Te Wānanga o Waitaha
- 9.30 am **Tā Ashley Bloomfield** | Interim CEO, Institute for Environmental Science & Research
Strong, Prepared and Unified

SESSION ONE

Te Ao Whaanui – Building World-Class Research Capability
An International View of Preparedness

- 9.45 am **Keynote – Dr Maria Van Kerkhove – World Health Organisation** [virtual]
How prepared is the world for the next pandemic?

10.30 am **Paramanawa – Morning Tea** Served on the Mezzanine Floor

ROOM RHLT1

- 11.00 am **Panel discussion – Our global role for infectious diseases and pandemic preparedness**
- Dr Maria Van Kerkhove** | WHO, Geneva, Switzerland
Tā Collin Tukuitonga | Te Poutoko Ora aa Kiwa, Niue
Professor Paul Kelly | Retired Government Chief Medical Officer, Australia
Professor Steve Chambers | ŌtākouWhakaihū Waka, University of Otago
Dr Andrew Connolly | Chief Medical Officer, Counties Manukau Te Whatu Ora
- 11.30 am **Research Spotlight – Local delivery. World focus.**
- Dr Stephanie Waller**
Preparing Aotearoa for the threat of highly pathogenic avian influenza virus using genomics-informed surveillance
- Dr Tom Hills and Karuna Motuhifonua**
REMAP-CAP – identifying therapeutics for seasonal influenza while preparing for the next global influenza pandemic
- Dr Amy Scott-Thomas**
Development of non-invasive tests for infectious disease using bacterial cell-free DNA
- Dr Max Bloomfield**
Promoting equitable access to effective treatment for Staphylococcus aureus bacteraemia in Aotearoa; (PR-O-SNAP)
- 12.30 pm **Tina – Lunch** Served on the Mezzanine Floor

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SESSION TWO	Te Ao o Te Moananui aa Kiwa Preparedness for infectious diseases in the Pacific Region
ROOM RHLT1	

Session Chair: Dr Aumea Herman

- 1.30 pm **Keynote – Tā Collin Tukuitonga – Te Poutoko Ora aa Kiwa**
Supporting Preparedness Aspirations of the Pacific Region
- 2.15 pm **Research Spotlight – Advancing Pacific Peoples’ Local and Regional Aspirations**
- Dr Jason Tautasi**
Risk perception of ID amongst Pacific youth. The role of social media in effective communication
- Melemafi Porter (Te Niwha PhD Scholarship holder)**
Pacific people’s representation in Clinical Studies
- Saki Baleivanualala**
AMR reference laboratory and pathogen genomics capability for Fiji
- Rhonita Schultz (Te Niwha Masters Scholarship holder)**
Epidemiology of Tuberculosis and BCG vaccine uptake among Pasifika in Aotearoa New Zealand
- Dr Patrick Campbell, Dr Nick Douglas**
Improving the safety and effectiveness of leprosy treatment in Kiribati through enhanced drug resistance surveillance

3.00 pm **Paramanawa – Afternoon Tea** Served on the Mezzanine Floor

SESSION THREE	WORKSHOPS STRONG in our Research Capability
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You have five workshops to choose from in Session 3. We encourage you to attend/choose a workshop that will enhance your research capability. The location of each workshop will be available on your Summit App. A reminder to each room will be announced prior to afternoon tea.

Each session is 90 minutes. The facilitator will conduct Karakia Whakakapi at the conclusion of each workshop.

	ROOM RHMZ03	ROOM RHLT1	ROOM RHMZ02	ROOM RHMZ04	ROOM RH105
3.30 pm	Workshop 1 Chair/facilitator: Loata Tiapapa, Dr Amio Matenga-Ikihele; Moana Connect <i>Social Theories – working with Pacific Communities</i>	Workshop 2 Chair/facilitator: Prof Michael Baker and A/Prof Amanda Kvalsvig <i>Enhancing Infectious Disease Surveillance in Aotearoa</i>	Workshop 3 Chair/facilitator: Dr Katherine Gottlieb <i>Research Ethics and Protocols of the Indigenous population of Alaska</i>	Workshop 4 Chair/facilitator: Dr Mary Silcock, Tagaloa Dr. Junior Ulu and Zoe Bristowe <i>Setting national research priorities for Strep A infectious diseases</i>	Workshop 5 Chair/facilitator: Dr Robyn Roa <i>Practical Te Reo, Tikanga and Engagement for Research</i>

SESSION FOUR	NETWORK & POSTER SESSIONS UNIFIED networks
MEZZANINE FOYER	

5.00 – 6.00 pm *Please join us back out on the Mezzanine Floor. We will facilitate poster presentations and hear from our 2024 PhD Scholarship Awardee. Drinks and nibbles will be served from 5.00pm until 6.00pm.*

Poster spotlights:

- PhD Scholarship: Jacqui Ormsby**
Understanding the Ubiquitination and Characterisation of the Atypical Kinase RIOK3
- Maihi Makiha** *Kia Tupu: Community Development Project*
Nga Awa o Te Rarawa - eDNA Testing Survey
- Milly Stewart, Abby Leota Whanake** *Seeding New Ideas Grant*
Whakamanahia: Empowering Māori Voices in HIV Research



Programme

Rā Tuarua Day 2 Wednesday 13 November 2024

Day Host – Professor John Fraser (Co-Chair, Te Niwha Steering Group)

ROOM RHLT1

8.45 am **Host Opening** | Strong, Prepared and Unified.

SESSION FIVE

Te Ao Nei

Crucial Challenges and Advancements

Session Chair: Professor Richard Blaikie

9.00 am **Keynote – Professor Gary Evans – RNA Platform**

Transforming how we combat infectious diseases: Nucleosides, nucleotides and nucleic acids

Research Spotlight – Local delivery. Global contributions and leadership.

9.25 am **Dr David Winter**

The role of public health genomics between pandemics

Maxine Graham, Sally Reid, Nick Jones, Dr Joanne Chapman

Making use of wastewater for better infectious disease epidemiology & response

Associate Professor Jo Kirman

Mahi Tahi: Decreasing transmission and improving diagnosis of Tuberculosis to reduce health inequities

Associate Professor Tim Chambers

Investigating the association between drinking water quality and enteric disease: an update

Chair summary and closing

10.30am **Paramanawa – Morning Tea** Served on the Mezzanine Floor

SESSION SIX

Kōrero Rangahau

Research Talks (parallel sessions)

ROOM RHLT1

Therapeutic and Diagnostic Innovations

Chair: Dr Andrew Highton

Dr Shirley Keown, Dr Craig Billington

Point-of-use testing for infectious diseases in the community

Professor Cameron Grant, Marisa van Aragon

Reflections on ARROW NZ: a short history of a rewarding journey

Dr Claire Wang

Repurposing cancer drugs as antivirals

ROOM RHLT2

Vaccination Strategies

Chair: Dr Theresa Pankhurst

Dr Gabby Short

Subcutaneous versus intramuscular COVID-19 Vaccination – We “needle” an answer

Sumanta Saha (Te Niwha PhD Scholarship holder)

Limitations of serological screening for low measles immunity in health-science students fully vaccinated in childhood

Riya Shajumon

Patterns of BCG vaccine-induced protection against Mycobacterium

ROOM RH105

Epidemiology Insights

Chair: Dr Nadia Charania

Professor Patricia Priest

HIV transmission in Aotearoa New Zealand: Are we on track to meet the 2030 targets?

Professor Peter Saxton

20 years of HIV behavioural surveillance in Aotearoa NZ: interpreting HIV epidemiology and informing control

Dr Jiawei Zhao

A large population model and its application in infectious disease modelling

Programme

Rā Tuatahi Day 2 Wednesday 13 November 2024

Megan McLeod

Bacteriophage therapies for multi-drug resistant bacteria: development and public acceptance.

Kia Paasi

Continuity of cervical cancer screening in remote Aotearoa New Zealand during pandemic and natural disasters

Dr Samik Datta

Improving models for pandemic preparedness and response: modelling differences in infectious diseases by ethnicity

Dr Karen Wright

Conceptualising and measuring ethnic inequities in appropriate antibiotic prescribing

Sarah Cosgrove (Te Niwha PhD Scholarship holder) *Which HPV vaccination model utilized in Aotearoa New Zealand achieves the highest coverage amongst adolescents*

Sharla McTavish

Trends in hospitalized Sepsis in Aotearoa New Zealand, 2000-2019

12.00 pm **Tina – Lunch** Served on the Mezzanine Floor

ROOM RHLTI

SESSION SEVEN

Te Ao Maaori

Navigating the juxtaposition of Western Science and Maatauranga Science

Session Chair: Professor Tom Roa

12.45 pm **Keynote – Hon. Nanaia Mahuta**

Kotahitanga – the way forward. Together.

Panel discussion – Western Science and Maatauranga Science

1.30 pm **Hon. Nanaia Mahuta**

Distinguished Professor Nigel French | Massey University (Emeritus Director Tangata Tiriti, Te Niwha)

Riki Nia Nia | Te Rau Ora

Distinguished Professor David Murdoch | ŌtākouWhakaihū Waka, University of Otago

2.00 pm **Research Spotlight – Pathways to Partnership**

Huirama Matatahi, Dr Rangimarie Mahuta, Maxine Graham

Whiitiki Whakatika: Collectivising Māori approaches infectious diseases and pandemic preparedness

Shaun Akroyd, Laurie Porima, Louise Were, Ikimoke-Takarei

Lifting Immunisation in the Tainui waka rohe

Associate Professor Tristram Ingham

Kia Mau, Kia Ita, Kia Maarama: Pandemic resilience of Taangata Whaikaha – Maaori using a probabilistic panel

Hector Kaiwai

Inclusive and shared Surveillance

Dr Jonni Koia & Dr Isabel Moller

Exploring new anti-microbial agents sourced from taonga herbal remedies with functional immune health benefits to prevent infectious transmission

Chair summary and closing

3.00 pm **Paramanawa – Afternoon Tea**

Served on the Mezzanine Floor

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Rā Tuarua Day 2 Wednesday 13 November 2024

Session Eight	Kōrero Rangahau Research Talks [parallel sessions]	
	ROOM RHLT1	ROOM RHLT2
3.30 pm	<p>Environment and Infectious Diseases Chair – Dr Rose Collis</p> <p>Dr Lucia Rivas and Okeroa Waaka <i>Understanding the surveillance barriers and the health burden of emerging disease threats for Aotearoa: Vibrio as a case study.</i></p> <p>Prof Simon Hales <i>Examining Campylobacteriosis Rates: The Impact of Water Supplies</i></p> <p>Mario Puente Sierra <i>The potential enteric disease risk of the drinking water infrastructure deficit in Aotearoa New Zealand</i></p> <p>Dr Alvaro Orsi <i>Leveraging AI and Machine Learning for Infectious Disease Forecasting in the Era of Climate Change</i></p> <p>Prof Mihnea Bostina <i>From Animals to Humans: Spike Protein Structures of SARS-Related Coronaviruses</i></p>	<p>Engaging with Communities Chair – Dr Alice Eruera</p> <p>Dr Julie Bennett <i>Subcutaneous injections of penicillin and Whitia Kia Ora model of health care to prevent RHD</i></p> <p>Kyley Kerse <i>Influenza-like-illness in the Community: A Progress Update on Pharmacy-based Surveillance</i></p> <p>Dr Xiaoyun (Una) Ren <i>Community based pneumococcal and meningococcal carriage study.</i></p> <p>Dr John Kerr <i>Communicating for impact: Reflections from the Public Health Communication Centre</i></p> <p>Dr Jess Berentson-Shaw <i>Framing: a tool to deepen public understanding of infectious diseases</i></p>
4.30 pm	Karakia whakakapi in sessions	
7.00 pm	Conference dinner at Parliament	

Programme

Rā tuatoru Day 3 Thursday 14th November 2024

Day Host – Dr Fiona Cram

ROOM RHLT1

8.45 am Strong, Prepared and Unified

Session
Nine

Te Ao Hou

Charting the Pathways Forward

Chair – Ms Te Pora Thompson

9.00am

Fellows session – Voice of the āpōpō

Dr Theresa Pankhurst

Establishing a preclinical vaccine testing pipeline to identify interventions that rejuvenate the ageing immune system

Dr Alice Eruera

Mā te kimi ka kite; Visualising native viruses of Aotearoa whānui

Dr Natalie Netzler

Broad-spectrum antiviral activities within indigenous Pacific traditional medicines

Dr Andrew Highton

Mini-lungs as an infectious disease model platform

Dr Nadia Charania

Improving pandemic plans to better address the needs of migrant and refugee background communities

Dr Rose Collis

He puna mātauranga rānei te māwhaiwhai? The house of the spider, a spring of knowledge?

10.00 am

Paaniora Matatahi-Poutapu Whanake – Seeding New Ideas Grant

Dr Sarah Pirikahu Whanake – Seeding New Ideas Grant

Fale Asafo, Dr Amio Matenga Ikihele

Exploring equitable investment in infectious disease research for Māori and Pacific in Aotearoa 2019–2024: A Landscape Map

Chair Summary and Close

Session
Ten

Te Hao A Ngā Āheitanga

Composition of the Future

10.30 am

Paramanawa – Morning Tea

Chair – Dist. Prof Nigel French

11.00 am

Keynote – Prof Paul Kelly

What is Australia doing to prepare for the next pandemic?

11.30 am

Strong, Prepared, Unified

Breakout session: Core capabilities for pandemic preparedness

Charting the Pathway Forward for a unified network – Feedback into main group

12.45 pm

Whakakapi | Closing

1.00 pm

End