



HACK AOTEAROA

ARTIFICIAL INTELLIGENCE IN HEALTHCARE
CONFERENCE & DATATHON

Hack Aotearoa 2023
Pullman Hotel and University of Auckland

Event theme: *Mahitahi – partnerships and collaboration.*

The proposed theme of Hack Aotearoa 2023 is Mahitahi – partnerships and collaboration. Artificial Intelligence, digital health and data science are key enablers for transformations within health systems, organisations, and models of care - we aim to bring together people to develop a greater understanding of the respective fields, the opportunities to improve health outcomes and equity, showcase Māori and Pacific data and digital innovation, and learn collaboratively through a datathon event

Plenary themes include:

- The health reforms: Ki te pae tawhiti - Data driven flourishing and prioritising equity
- Health informatics on a national scale
- Māori Data and Digital Innovation - Data sovereignty and digital solutions
- Pacific data insights - epidemiology and research
- AI for Health: Augmenting Clinical Care
- COVID-19: Transformations in models of care through digital health
- Smarter health decisions with data science
- Future directions: Career opportunities and growing our AI and digital health workforce

Preliminary programme - subject to change

DAY 1: Friday 17th March 2023 - Hack Aotearoa Conference Programme (Venue: Pullman Hotel)

A conference programme of plenary sessions including international and local experts from across healthcare and data science speaking to the various applications of data science, digital health, and AI for healthcare

| Time | Session |
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| 0800am | Registration opens |
| 0850am | Conference attendees to be seated in plenary hall |
| 0900-0930am | Mihi whakatau/welcome <ul style="list-style-type: none">● Matua Toi Katipa Mihi/opening remarks convenors <ul style="list-style-type: none">● Dr Mataroria Lyndon (Ngāti Wai) and Dr Xaviour Walker● Words of welcome from Faculty of Medical and Health Sciences |
| 0930-0940am | Opening remarks <ul style="list-style-type: none">● Riana Manuel (Ngāti Pukenga, Ngāti Maru) CEO Te Aka Whai Ora Māori Health Authority |
| 0940-0950am | Opening remarks <ul style="list-style-type: none">● Hon Dr Ayesha Verrall - Minister of Health |
| 0950-1030am | Session 2: <ul style="list-style-type: none">● Professor Eric Topol Professor and EVP, Scripps Research |
| 1030-1100am | Morning tea |
| 1100am-11.30am | Session 3 <ul style="list-style-type: none">● Dr Leo Celi - Massachusetts Institute of Technology Critical Data |
| 1130-12.45pm | Session 4: Māori data and digital innovation session - Facilitated by Ngāti Wai Trust Board 1130am-12pm Keynote: <ul style="list-style-type: none">● Hon. Dr Shane Reti (Ngāti Wai) - National Party health spokesperson. Harkness Fellow to Harvard University 12pm-1245pm Panel discussion: <ul style="list-style-type: none">● Morris Pita (Ngāti Wai) - CEO Taipari Mohio Emergency Q● Cushla Currie (Ngāti Wai) - CEO Medical Technology Association |

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| | <ul style="list-style-type: none"> ● Hineamaru Lyndon (Ngāti Wai) - Te Whatu Ora |
| 12.45pm-1.30pm | LUNCH |
| 1.30pm-2pm | Session 5: <ul style="list-style-type: none"> ● Robyn Kamira (Te Rarawa, Te Aupōuri) - Chief Advisor, Data and Digital - Te Aka Whai Ora Māori Health Authority |
| 2pm-2.45pm | Session 6: AI and big data in radiology panel (via zoom) <ul style="list-style-type: none"> ● Dr Joy Wu - Diagnostic Radiology and Nuclear Medicine Resident - Stanford Health Care ● Dr Sijing Feng - Department of Radiology, Dunedin Hospital ● Dr Aabharika Bose - House Officer, Auckland Hospital ● Dr James Hillis - Attending Neurologist at Massachusetts General Hospital; Director of Clinical Operations, Digital Clinical Research Organization at Mass General Brigham; Instructor in Neurology at Harvard Medical School |
| 2.45pm-3.15pm | Afternoon tea |
| 3.15pm-4.15pm | Pacific cultural performance Session 7: Pacific health data and digital innovation Facilitated by Sir Collin Tukuitonga <ul style="list-style-type: none"> ● Dr Corina Grey Public Health Physician Chief Clinical Advisor Pacific health at Manatū Hauora - Ministry of Health ● Dr Allamanda Faatoese - Christchurch Heart Institute. University of Otago |
| 4.15pm-5pm | Session 8: Panel Discussion Future directions and careers in AI and digital health <ul style="list-style-type: none"> ● Dr Chris Paton - Senior Lecturer Department of Information Science University of Otago and Head of Global Health Informatics research group at the University of Oxford ● Dr Robyn Whittaker - Clinical Director Innovation, i3, Te Whatu Ora Waitemātā; adj Professor NIHI; Public Health Physician ● Dan Te Whenua Walker (Ngāti Ruanui) - Co-Chair of Indigenous at Microsoft |
| 5pm-6pm | Conference Reception and datathon launch <ul style="list-style-type: none"> ● Dr Mataroria Lyndon - Hack Aotearoa co-convenor |

DAY 2: Saturday 18th March – Hack Aotearoa Datathon**(Venue: University of Auckland Business School - Sir Owen G Glenn Building)**

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| 0900am-09.45am | Session 9 <ul style="list-style-type: none">● Dr Jack Gallifant - Imperial College London NHS Trust and honorary researcher at King's College London● Amio Matenga Ikihele Innovations Lead (Moana Connect), PhD candidate |
| 09.45am-10.30am | <ul style="list-style-type: none">● Datathon briefing |
| 11am – 5PM | Datathon event (Scheduled mentoring session check ins) |

Day 3: Sunday March 19th: Hack Aotearoa Datathon**(Venue: University of Auckland Business School - Sir Owen G Glenn Building)**

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| 900am- 1200pm | Datathon continues |
| 1200pm -12.30pm | Datathon presentations submitted & lunch |
| 12.30pm – 2.00pm | Datathon team presentations and judging |
| 2.00pm – 2.30pm | Awards announced, closing ceremony/karakia |