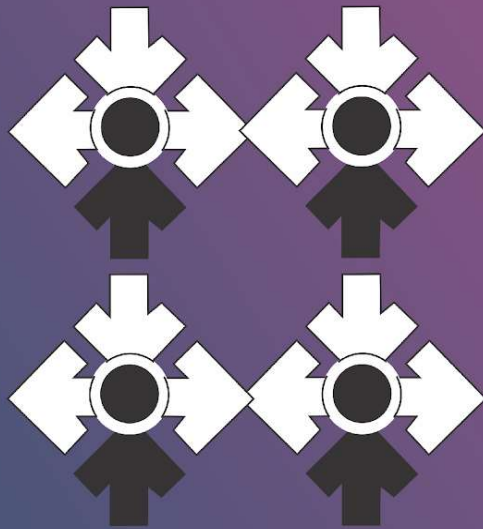


scientists.org.nz
The New Zealand Association of Scientists



**The New Zealand
Association of
Scientists**

advocating for science
and scientists

Meeting our challenges: now to 2050

14 November 2023

University of
Auckland
Science Centre

#NZscientists2023

Sponsorship from:



ThermoFisher
SCIENTIFIC

<https://scientists.org.nz/events>

Aotearoa, like the rest of the world, has some large challenges to face between now and 2050. How do we ensure the suitability of the NZ science system to address these? We will look at three key areas that are of importance for NZ, presenting the view from our experts on what 2050 could look like, how we want it to look, and how we navigate our way there.

- Climate and the environment
 - Health and society
- Manufacturing and innovation



scientists.org.nz
The New Zealand Association of Scientists

Publish in the New Zealand Science Review

Aotearoa New Zealand's journal of record on science policy, the science system and workforce, and more

-
- *Peer reviewed*
 - *Free of charge (voluntary APC)*
 - *Open Access*
-

Programme: 14th November 2023

09:30	Introduction from the presidents; Troy Baisden & Lucy Stewart	
Session 1: Climate and the environment Chair: Troy Baisden		
09:45	Cate Macinnis-Ng	The biodiversity and climate change crises: current knowledge and research needs to conserve our biological heritage.
10:00	Nick Golledge	Models, uncertainty, and projections.
10:15	Dan Tompkins	Observations from directing science for impactful environmental benefit.
10:30	Revel Drummond	Biotechnology as part of a greener future.
Session 2: Health and society Chair: Georgia Carson		
10:45	Cris Print	TBC
11:00	Helen Moewaka Barnes	Kokiri whakamua: looking back, moving forward
11:15	Kathryn Bradbury	A sustainable, equitable food system: A tough nut to crack
11:30	Andrew Shelling	Genomic discrimination in New Zealand health and life insurance. AGenDA: Against Genomic Discrimination in Aotearoa
12:00	NZAS Awards Chair: Ben Dickson	
12:30	Lunch	
Session 3: Looking to the future Chair: Alona Ben-Tal		
13:30	Gill Jolly	Looking to the future – what are the opportunities for research, science, innovation and technology?
14:00	Bethany Cox	Research leadership and the future of Aotearoa's research system
14:15	Helen Moewaka Barnes, Kathryn Bradbury, Nick Golledge, Hilary Ireland, Chris Puliueva, Johan Verbeek	Panel 1: challenges and limitations for scientific progress and for the workforce. Chair: Lucy Stewart
15:00	Afternoon tea sponsored by Thermo Fisher Scientific NZ	
15:30	Ailsa Holloway, Cate Macinnis-Ng, Ryan Paul, Mark Piper (TBC), Dan Tompkins, Leilani Walker	Panel 2: How to strengthen the NZ science system - Solution focussed discussion. Chair: Andrew Shelling
4:30	Networking and nibbles	

Speakers and panel members and their affiliations

Name	Affiliations
Helen Moewaka Barnes (Te Kapotai, Ngapuhi-nui-tonu)	Professor at Massey University/ Te Kunenga ki Pūrehuroa. Director of Whāriki and Co-director of the SHORE and Whariki Research Centre.
Kathryn Bradbury	Senior Research Fellow in the School of Population Health, University of Auckland/Waipapa Taumata Rau.
Bethany Cox	PhD candidate in human geography at Waipapa Taumata Rau/ University of Auckland and Te Pūnaha Matatini. Interested in the research system, ethics of care, and working towards making Aotearoa's research environment more equitable and just.
Revel Drummond	Plant genetics specialist at Plant & Food Research & Fellow at the Office of the Prime Minister's Chief Science Advisor
Nick Golledge	Professor of Glaciology researching the Antarctic Ice Sheet and connected Earth System elements. Antarctic Research Centre, Victoria University of Wellington/ Te Herenga Waka
Ailsa Holloway	Associate Professor Public Health with a focus on Disaster Risk Science and the role of higher education. AUT/Te Wānanga Aronui O Tāmaki Makau Rau.
Hilary Ireland	Scientist in the genetics of flower and fruit development and ECR (Early Career Researcher) Liaison for Plant & Food Research and co-chair of Science NZ Early Career Member Group.
Gill Jolly	Chief Science Advisor, MBIE; volcanologist, GNS Science.
Cate Macinnis-Ng	Associate Professor with interest in plant responses to climatic conditions. School of Biological Sciences, University of Auckland/Waipapa Taumata Rau & principal investigator with Te Pūnaha Matatini.
Ryan Paul (Ngāti Maru)	Endocrinologist with Te Whatu Ora Health New Zealand & Associate Professor at University of Waikato & Clinical Associate with Maurice Wilkins Centre & Honorary Senior Lecturer at University of Auckland/Waipapa Taumata Rau.
Mark Piper	CEO Plant and Food
Cris Print	Professor Molecular Medicine and Pathology at Faculty of Medical and Health Sciences, University of Auckland/Waipapa Taumata Rau & Maurice Wilkins Centre
Chris Puliueva	PhD candidate, immunology at Faculty of Medical and Health Sciences, University of Auckland/Waipapa Taumata Rau & Lecturer at AUT/Te Wānanga Aronui O Tāmaki Makau Rau & Maurice Wilkins Centre
Andrew Shelling	Professor of Obstetrics and Gynaecology, Centre for Cancer Research and Department of Obstetrics and Gynaecology, Faculty of Medical and Health Sciences, University of Auckland/Waipapa Taumata Rau. FMHS Associate Dean (Research) 2013-2022.
Dan Tompkins	Science Director Kaiwhakahaere matua - Pūtaiao, Predator Free 2050 Limited & Honorary Professor, Department of Zoology, University of Otago
Johan Verbeek	Polymer and Composite Materials Engineer with an interest in plastics in circular economies. Centre for Advanced Materials Manufacturing and Design, Faculty of Engineering, University of Auckland/Waipapa Taumata Rau
Leilani Walker	Curator of Entomology, Auckland War Memorial Museum & Lecturer in the Faculty of Health and Environmental Science at AUT/Te Wānanga Aronui O Tāmaki Makau Rau & principal investigator with Te Pūnaha Matatini.

