

He taonga tuku iho – Bioprotection Aotearoa

Thursday 31st August – Friday 1st September, 2023

Rydges Hotel, Queenstown, New Zealand

Thursday 31st August

Time	Details	Location
<p><u>Hungry for advice: breakfast, posters and career advice for Early Career Researchers (all welcome)</u> Facilitated by Franca Buelow (Canterbury), Hanareia Ehau-Taumaunu (Plant and Food), and Steve Wakelin (Scion). <i>Poster Session sponsored by illumina</i></p>		
8.30am-10.00am	Franca Buelow (Canterbury), Hanareia Ehau-Taumaunu (Plant and Food), and Steve Wakelin (Scion).	Level 5 Lobby
10.00am-10.30am	Morning tea	Trade Area

Concept and application of indigenous methodologies, intellectual property and data sovereignty in research - a panel discussion.

Chaired by Prof Amanda Black (Tūhoe, Whakatōhea, Te Whānau-ā-Apanui)

10.30am-12.30pm	A panel discussion featuring: Linda Tuhiwai Smith, (Te Wananga o Awanuiarangi) Stacey Whitiora (Ngāti Mahuta ki te Hauāuru, Waikato) Lynell Tuffery Huria (Ngāti Ruanui, Ngāruahine) Simon Lambert (Tūhoe and Ngāti Ruapani ki Waikaremoana)	Queenstown Room
12.30pm-1.30pm	Lunch	Trade Area

Partnering with Communities to Conserve our Taonga Species (in partnership with Genomics Aotearoa)

Chaired by Dr Nathan Kenny (Te Ātiawa, Ngāi Tahu)

1.30pm-2.10pm	Tammy Steeves (B1) University of Canterbury <i>Partnering with Māori to improve conservation outcomes: reflections of a non-Māori researcher</i>	Queenstown Room
2.10pm-2.25pm	Colan Balkwill (B2) Victoria University of Wellington <i>Restoration genetics of a critically threatened New Zealand Myrtaceae, Syzygium maire</i>	Queenstown Room
2.25pm-2.45pm	Joseph Guhlin (B3) University of Otago <i>Species-wide genomics of kākāpō provides transformational tools to accelerate recovery</i>	Queenstown Room
2.45pm-3.00pm	Claudia Bramley and Jorgia Knight (B4) Flowjoanna Tapui Limited <i>Giving effect to Te Tiriti o Waitangi in the emerging field of chromosomics</i>	Queenstown Room
3.00pm-3.15pm	Anna Edwards (B5) AgResearch	Queenstown Room

	<i>Indigenous ethics in research: the protection and correct treatment of Taonga species</i>	
3.15pm-3.30pm	Jade Gibson (B6) University of Canterbury <i>Standing in Both Worlds: Exploring Hapū-led bioprotection at Whareponga</i>	Queenstown Room

3.30pm-4.00pm	Afternoon tea	Trade Area
<u>Invasion Genomics</u> Chaired by Professor Ian Dickie (Canterbury)		
4.00pm-4.20pm	Peter Dearden (B7) University of Otago <i>How might we refresh biocontrol agents?</i>	Queenstown Room
4.20pm-4.35pm	Kimberley Dainty (B8) University of Otago <i>Predicting successful biocontrol; what we can learn from Microctonus hyperodae genomics</i>	Queenstown Room
4.35pm-4.50pm	Sarah Inwood (B9) University of Otago <i>Transmission of a novel virus in a declining insect biocontrol system</i>	Queenstown Room
4.50pm-5.10pm	Katarina Stuart (B10) University of Auckland <i>A whole genome perspective on genetic variation and rapid adaptation in invasive species</i>	Queenstown Room
5.10pm-5.30pm	Craig Herbold (B11) University of Canterbury <i>Quantifying microbial endemism through eDNA</i>	Queenstown Room
5.30pm-5.45pm	Anna Clark (B12) University of Otago <i>Exploring outcomes of genetic pest control in multi-species models</i>	Queenstown Room
5.45pm-6.00pm	Brooke Whitelaw (B13) University of Otago <i>Rodent Romance Gone Awry: Infertility as the Key to Rat Retreat</i>	Queenstown Room
6.00pm-6.30pm	Evening Social Function <i>Sponsored by Lonza Cell and Gene</i>	Trade Area

Friday 1st September		
<u>Valuing Landscapes, Valuing Biodiversity, and the new National Policy Statement for Indigenous Biodiversity</u> Chaired by Professor Ann Brower (Canterbury).		
8.30am-10.00am	Prof Ian Dickie, UC Dr Heather Hendrickson, UC Dr Sara Kross, UC Jade Gibson, UC Elizabeth Elliot-Noe, LU	Queenstown Room
10.00am-10.30am	Morning tea	Trade Area

Friday 1st September		
Time	Details	Location
<u>Microbiomes in landscape</u> Chaired by Dr Hanareia Ehou-Taumaunu (Ngāti Uepōhatu, Ngāti Porou, Te Ātiawa, Te Whānau-ā-Apanui).		
10.30am-10.35am	Introduction: Hanareia Ehou-Taumaunu (Ngāti Uepōhatu, Ngāti Porou, Te Ātiawa, Te Whānau-ā-Apanui)	Queenstown Room
10.35am-10.55am	Essie Van Zuylen (B14) University of Otago <i>A relational framework guides best practices in microbiome research with Indigenous communities</i>	Queenstown Room
10.55am-11.15am	Nicola Day (B15) Victoria University of Wellington <i>Impacts of plant-soil feedbacks and fire on arbuscular mycorrhizal fungi associated with invasive plants</i>	Queenstown Room
11.15am-11.35am	Alana Thurston (B16) Lincoln University <i>Characterising soil microbial communities across the agricultural mosaic landscape of Te Kaha</i>	Queenstown Room
11.35am-11.55am	Alexa Byers (B17) University of Canterbury <i>Exploring the diversity of secondary metabolite biosynthetic gene clusters in kauri (Agathis australis) forest soils</i>	Queenstown Room
11.55am-12.15pm	Kimberley Dainty (B18) University of Otago <i>Biocontrol agent wMel Wolbachia genome remains stable in Aedes aegypti mosquitoes</i>	Queenstown Room
12.30pm-1.30pm	Lunch	Trade Area
<u>Preventing the persistence of pathogens and pests</u> Chaired by Associate Professor Matt Templeton (Plant and Food Research).		
1.30pm-1.35pm	Introduction Matt Templeton	Queenstown Room
1.35pm-1.55pm	Nils Birkholz (B19) University of Otago <i>Bacteria and their enemies: an armoury for Aotearoa's bioprotection battle?</i>	Queenstown Room
1.55pm-2.10pm	Sarah van Amsterdam (B20) AgResearch/University of Auckland <i>The role of soil-borne disease in the poor persistence of pastures in northern Aotearoa/New Zealand - Identification of causal agents</i>	Queenstown Room
2.10pm-2.25pm	Taylah Dagg (B21)	Queenstown Room

	Massey University Phytophthora agathidicida <i>alters its repertoire of secreted proteins in the presence of</i> Phytophthora cinnamomi <i>and</i> Phytophthora multivora	
2.25pm-2.45pm	Chanusha Weralupitiya (B22) University of Canterbury <i>Integrated approach for understanding Phytophthora biology</i>	Queenstown Room
2.45pm-3.00pm	Liz Florez (B23) Plant and Food Research/University of Auckland <i>Effector proteins required for virulence of the fungal pathogen Neonectria ditissima in New Zealand apple</i>	Queenstown Room
3.00pm-3.15pm	Nicola Sullivan (B24) Plant and Food Research, University of Lincoln What role do spiders play in pest suppression for future food production systems? Tō te pūngāwerewere tūranga i te tāmoe riha mō ngā punaha whakaputa kai ā mua?	Queenstown Room

3.30pm-4.00pm	Afternoon tea	Level 5 Lobby
Tackling i4: integration, interdisciplinarity, implementation & impact Chaired by Dr. Franca A. Buelow (Canterbury).		
4.00pm-4.45pm	Panel discussion on i4 Amanda Black (Lincoln) Peter Fineran (Otago) Ann Brower (Canterbury) Nathan Kenny (Otago)	Queenstown Room
4.45pm-5.45pm	Interactive session on i4	Queenstown Room