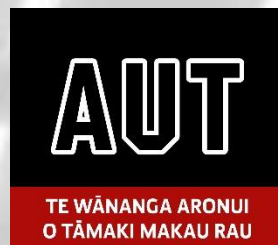


**Te Wiki Rangahau o Te Wānanga Aronui o Tāmaki
Makau Rau**
AUT Research Week



Ngā hua a Tāne-te-wānanga
Māori Research Symposium

Wednesday 6 September 2023

Nau mai, haere mai, tahuti mai, tautoko mai ki tēnei huihuinga o ngā kairangahau Māori ki AUT!

This Māori Research Symposium brings together the AUT Māori research whānau from experienced and seasoned researchers to new and emerging researchers and not to forget our postgraduate students who are on their academic journeys as well. Collectively they will share their research weaving together the fibres of indigenous research methodologies, interdisciplinary research and innovative thinking creating an intricate whāriki (fine mat) and showing how Māori research can be impactful and make a significant contribution to Aotearoa-New Zealand. We ask you to join us and make this a celebration of Māori research at AUT.

Nāu te rourou, nāku te rourou, kia ora ai te iwi

With your basket and my basket everyone will flourish/benefit/thrive, (all will be well)

Welcome

I am delighted to support this initiative to showcase our rangahau (research) Māori. Our kaimahi (staff), tauira (students) and the research they undertake help to grow our understanding of our communities and our culture. Most importantly this research brings to the fore the value of te ao Māori (the Māori world), mātauranga Māori (Māori knowledge) and a kaupapa (topic) that provides opportunities for all to grow and develop. Coming together as whānau Māori to share and support one another through this symposium is mana (prestige) enhancing and I look forward to learning together during this exciting hui.



Professor Mark Orams

Deputy Vice-Chancellor: Research



Professor Pare Keiha

Pro-Vice Chancellor: Māori Advancement

Research is the act of deliberate enquiry. The foundations of that enquiry sit within a socio-cultural context. Every question, and consequently every answer, can be located in the ontology, epistemology of the researcher. Regrettably, the social-cultural norms of the research are not always those of the researched. It is for that reason that the kaupapa of this symposium is so important. The symposium opens with a confident statement of self-belief – Māori can do anything! We can. And the symposium offers us all the opportunity to share with each other that confidence.

Acknowledgements

The organising committee would like to thank Professor Mark Orams and Professor Pare Keiha for their support of the inaugural *Ngā Hua a Tāne-te-wānanga – Māori research symposium*. To all the participants, and the team behind the scenes, ngā mihi nui ki a koutou katoa.

Notes:

- 1.0 Rooms WZ416 and WZ502 will have live streaming capability. If you wish to attend and would like to remotely, this is the link below.

WZ416: <https://aut.zoom.us/j/95673308923?pwd=N3pKbStBdVhUd0NLd2dDK1A1OTYyUT09>

WZ502: <https://aut.zoom.us/j/97055337248?pwd=UlhBYUF1Q29tU0dvTzVsVHJRQnpNZz0>

- 2.0 The Doctoral Poster presentations will be held 10.15am – 10.40am and 12.00pm – 12.40pm in the foyer of WZ 3.

9.00am	Welcome	Professor Pare Keiha, PVC – Māori = - WZ416		
9.05am	Karakia	Donald Ripia - WZ416		
9.10am	Keynote	Presenter & Abstract		Research focus
	<i>Opening Keynote</i> WZ416 Live streaming in this venue See p3 for link	Professor Georgina Stewart		<i>Māori can do anything!</i>
9.40am	Panel discussions			
	Breakout session 1 WZ416 Live streaming in this venue See p3 for link	Breakout session 2, Panel 1 WZ502 Live streaming in this venue See p3 for link	Breakout session 3 WZ503	Breakout session 4, Panel 3 WF602
	Chair: Professor Tania Ka'ai <i>Profiling a Marsden research project</i>	Chair: Tui Barbarich-Tawera <i>Mātauranga Māori / Ngā kōrero tuku iho at the forefront of research – protecting Māori knowledge and respecting its contribution to research at AUT</i>	Chair: Toiroa Williams <i>Te ao Māori & the Poetics of Creative Research</i>	Chair: Dr Rachel Carley <i>Exploring strategies around indigenising mainstream tertiary education</i>
	Presenter: Professor Hinematau McNeill <i>Marsden</i>	Panellists: Dr Isaac Warbrick – <i>via zoom</i> Associate Professor Rachael Ka'ai-Mahuta – <i>via Zoom</i> <i>Tū, Kū, and breastmilk: Recent lessons towards a culturally grounded approach to research</i>	Presenter: Professor Welby Ings	Panellists: Dr Rachel Shearer Associate Professor Amanda Yates Jade Kake
10.15am	Morning Tea WZ 3 Foyer Postgraduate Poster Session			
10.40am	Keynote	Presenter		Research focus
	<i>Keynote 2</i> WZ416 Live streaming in this venue See p3 for link	Professor Scott Duncan		<i>Te Hotonga Hapori – A case-study of an MBIE Endeavour Grant</i>

11.10am	Panel discussions		
	Breakout session 5, Panel 4 WZ416 Live streaming in this venue See p3 for link	Breakout session 6, Panel 5 WZ502 Live streaming in this venue See p3 for link	Breakout session 7 WF602
	<p>Chair: Professor Tania Ka'ai</p> <p><i>Sharing our research as Early Career Academics</i></p> <p>Panellists: Dr Hazel Abraham (Te Ipukarea) – <i>via Zoom</i> Dr Tui Matelau (Te Kura Whakapaoho) Dr Rebecca Trelease (Te Kura Whakapaoho) Dr Te Wai Barbarich-Unasa (Taupua Waiora) Dr Leilani Walker (Environmental Sciences)</p>	<p>Chair: Donald Ripia & Tui Barbarich-Tawera</p> <p><i>Ngākopā - Transformation of the construction industry - Construction 4.0</i></p> <p>Panellists: Saul Roberts Patricia Te Whatu</p>	<p>Chair: Associate Professor Khylee Qunice</p> <p><i>The value of an Indigenous Academy</i></p> <p>Presenter: Professor Ella Henry</p>
12.00pm	<p>Lunch WZ 3 Foyer Postgraduate Poster Session</p>		
12.40pm	Keynote	Presenter	Research focus
	<p>Keynote 3 WZ416 Live streaming in this venue See p3 for link</p>	<p>Professor Jacquie Kidd <i>Via Zoom</i></p>	<p><i>The significance & impact of Māori data sovereignty on research outcomes</i></p>
1.10pm	Panel discussions		
	<p>Breakout session 8, Panel 6 WZ416, See p3 for link Chair: Professor Tania Ka'ai <i>Shared experiences of postgraduate students – highs & lows</i></p> <p>Panellists: Tania Wolfram, PhD Naumai Hughes, DBA Zena Elliot, PhD Daysha Tonumaipē'a, PhD Toiroa Williams, PhD</p>		
1.50pm	Final thoughts & closing comments	Professor Pare Keiha	
2.00pm	Closing Karakia	Donald Ripia	

Speakers: Bio & Abstracts

Keynote speaker 1: Professor Georgina Stewart p.4

Ngāpuhi

Bio

Ko Whakarārā te maunga, ko Matauri te moana, ko Te Tāpui te marae, ko Ngāti Kura te hapū, ko Ngāpui-nui-tonu te iwi. Professor of Māori Philosophy of Education in Te Ara Poutama, Auckland University of Technology, Aotearoa New Zealand. Formerly one of few Māori-speaking senior school teachers of Science/Pūtaiao, with decades of experience in writing national curriculum, qualifications, and teaching and learning resources. Author of *Māori Philosophy: Indigenous thinking from Aotearoa* (Bloomsbury, 2021) and lead editor of *Writing for Publication: Liminal reflections for academics* (Springer, 2021). Deputy Editor of *Educational Philosophy and Theory* (EPAT), and Co-Editor of *New Zealand Journal of Educational Studies* (NZJES). Principal Investigator of a Marsden-funded research project (2022-2025) investigating how Flexible Learning Spaces (FLS) can support Māori aspirations in education.

Abstract

Māori can do anything!

As a double Marsden grant winner, I am one of the top researchers at AUT. I am nurturing success for early career Māori and Pacific researchers through my work as Kaiurungi (Navigator) of AUT's own Eke Tangaroa programme. With two of our Māori participants being invited to full proposal this year, the first year of our Marsden Fast-Start programme, we have already proved the point: with the right support, Māori can do anything. I will briefly introduce my book, *Māori Philosophy: Indigenous thinking from Aotearoa* (Bloomsbury, 2021).

Keynote speaker 2: Professor Scott Duncan pp.4-5

Ngāi Tahu

Bio

Professor Scott Duncan is a Head of Department (Physical Activity & Nutrition) in the School of Sport and Recreation. His research centres on creating environments that allow people of all ages to live healthy, and active lives. He is an expert in multi-level research design, wellbeing assessment, behavioural and geospatial time-use, and survey methodologies. He has been the Principal Investigator for numerous externally funded research projects (including HRC, MSD, and RSNZ), and is the principal investigator and Director of *Te Hotonga Hapori*, a five-year MBIE-funded programme investigating wellbeing in the context of major urban regeneration. Professor Duncan has Ngāi Tahu whakapapa with a strong connection to the deep south of Te Waipounamu, where many of his whānau still live. He was born and bred in Tāmaki Makaurau, growing up in Owairaka before settling with his wife and three children in Takapuna.

Abstract

Te Hotonga Hapori – A case-study of MBIE Endeavour Grant

This presentation describes the process of applying for and crafting a successful MBIE Endeavour Programme grant. Scott will highlight the multi-level process from the initial project development and pathway prior to targeting MBIE. This includes navigating New Zealand's complex funding landscape and embedding the principles of Vision Mātauranga in a multidisciplinary programme of research. Scott will discuss the strategic approach to grant submission, involving proposal development and alignment with MBIE's objectives, assembling a cohesive team, and utilising support systems and resources available. Furthermore, the presentation highlights the importance of community consultation and engagement as an integral component of impactful research. It explores methods for involving diverse stakeholders, integrating local perspectives, and fostering collaboration at all stages of the research.

Keynote speakers 3: Professor Jacquie Kidd p.5 presenting online

Professor Jacquie Kidd

Ngāpuhi

Bio

Professor Jacquie Kidd brings an extensive clinical background in nursing and expertise in qualitative, whānau-focused Māori health equity research. She has considerable expertise in co-design and kaupapa Māori research in the areas of community-focused solutions to health inequities and health literacy. She has led several large research projects including *Health Literacy for Māori in Palliative Care*; *Oranga Tū: Prostate cancer for tāne Māori*; and *Hā Ora: The community phase within a larger project to improve early diagnosis of lung cancer for Māori*.

Abstract

The significance & impact of Māori data sovereignty on research outcomes

This presentation will draw on the work of *Te Mana Rauranga* (the Māori Data Sovereignty Network) to explore the responsibilities of students, researchers, and the university relation to how Māori data is collected, analysed, disseminated, and stored.

Panellists & Presenters

Dr Hazel Abraham, BOS 5, panel 3, p.5 presenting online
Ngāti Awa, Ngāti Tūwharetoa, Ngāi Tūhoe, Ngāti Rangitahi, Te Whakatōhea

Bio

Dr Hazel Abraham is an early career academic based in Te Ipukarea Research Institute. She is a lecturer for the paper, DIGD507 Mahitahi – Collaborative Practices. Her recent doctoral thesis from AUT examined ways the education system in New Zealand could use Māori whānau voice and indigenous knowledge to make a difference in addressing systemic change due to the continual transmission of intergenerational cultural and historical trauma. Hazel also has a conjoint Bachelor of Education and Diploma in Primary Teaching and a Master of Educational Leadership.

Dr Te Wai Barbarich-Unasa, BOS 5, panel 3, p.5
Waikato-Tainui, Ngāti Pāoa, Ngāti Maniapoto

Bio

Dr Te Wai Barbarich-Unasa has a passion for kaupapa Māori research, ensuring rangatahi voices are heard. Te Wai is a lecturer in Māori Health and a member of the Eke Tangaroa programme at AUT. Initially qualified as a youth worker, Te Wai has a background in supporting Māori whānau and tamariki through community paediatrics and has supported rangatahi Māori into health careers. Te Wai completed a Master of Philosophy that explored rangatahi understanding of the informed consent process. In her PhD Te Wai worked closely with rangatahi to understand their experiences of engaging with health services. Te Wai undertakes research in areas focusing on Māori/Indigenous young people, health, engagement in health services and cultural responsiveness.

Zena Elliot, BOS 8, panel 5, p.5
Ngāti Awa

Bio

Zena Elliot is a current practice-led PhD candidate within Huri Te Ao, the School of Future Environments. Elliott's practice-led PhD research explores the impacts of colonisation on wahine kaiwhakairo through the lens of a toki and mana wahine theory. The research inquiry adopts a pūrākau methodology that functions simultaneously with practice-led research methods activated through whakairo wānanga and grounded in the values and principals of whakawhanaungatanga, kaitiakitanga, manaakitanga, wairuatanga and mauri ora. It is through these devices we may carve out a more equitable and inclusive future.

Professor Ella Henry, BOS 7, presenter 3, p.5

Ngātikahu ki Whangaroa, Ngāti Kuri, Te Rārawa

Bio

Professor Ella Henry has a background across multiple disciplines including sociology, business, and Māori Indigenous development. She has been actively involved in research, teaching, and advocacy for Māori media for over twenty years. Ella was a Treaty negotiator for her iwi, Ngātikahu ki Whangaroa, and has been involved with the Post-Settlement Governance Entity, as Trustee and Chair, until her appointment as Director of Māori Advancement for the Business School. Ella is a Professor of Entrepreneurship. She received the Member of the New Zealand Order of Merit (MNZM) in 2022. Ella's research focus is Māori Indigenous entrepreneurship, business, leadership, careers, kaupapa Māori research and mana wahine.

Naumai Hughes, BOS 8, panel 5, p.5

Ngāpuhi, Ngāti Rangī, Ngāti Moerewa, Te Mahurehure

Bio

Naumai is the current Head of Faculty Operations within Te Ara Auaha and prior to that was Head of Finance and Planning for five years. She holds a Bachelor of Business with Honours (First Class) from AUT and is a qualified Chartered Accountant (ANZ) and Certified Practising Accountant (Australia). Naumai is currently studying toward a DBA (Doctor of Business Administration) at the University of Otago, with an interest in Māori professional staff experiences working within the tertiary environment.

Professor Welby Ings, BOS 3, presenter 2, p.4

Bio

Dr Welby Ings is a Professor in narrative design at Auckland University of Technology. He is a multi-award-winning designer, illustrator, author, and filmmaker. In 2001 he was awarded the Prime Minister's inaugural, Supreme Award for Tertiary Teaching Excellence and in 2014 the university medal for his contributions to research and teaching. His primary research foci are creative inquiry, film production and non-western scholarship.

Associate Professor Rachael Ka'ai-Mahuta, BOS 2, panel 1, p.4 presenting online

Ngāti Porou, Ngāi Tahu, Hawaiian, Cook Island Māori, Sāmoan

Bio

Rachael is an Associate Professor in Te Ipukarea Research Institute. She has a background in te reo Māori, Māori culture and traditions, and Indigenous politics. Rachael holds a Bachelor of Arts with Honours (First Class) and a Master of Arts (with Distinction) from the University of

Otago, and a Doctorate from AUT. She is a graduate of Te Panekiretanga o te Reo (Institute of Excellence in the Māori Language) and she holds the Te Taura Whiri i te Reo Māori Certificate of Competency in Interpreting and Translating the Māori Language.

Rachael's recent research has focussed on the intergenerational transmission of te reo Māori, language in the home, and normalising te reo Māori amongst adolescents.

Jade Kake, BOS 4, panel 2, p.4

Ngāpuhi, Te Whakatōhea, Te Arawa, Dutch

Bio

Jade Kake is from Ngāpuhi, Te Whakatōhea and Te Arawa on her mother's side, and of Dutch descent through her father. She is the leader and founder of Matakahe Architecture and Urbanism, a kaupapa Māori design studio in Whangārei, and a part-time lecturer at Huri Te Ao, the School of Future Environments at AUT. Her main interests are the decolonisation of architecture and urban design, the growth and re-establishment of papakāinga, and the development of design methods to support the sovereignty of hapū. She is also a member of the Auckland Urban Design Panel.

Dr Tui Matelau, BOS 5, panel 3, p.5

Ngāpuhi, Ngāti Kahu ki Whangaroa, Foui (Tonga)

Bio

Dr Tui Matelau is an early career researcher who explores the ways in which Māori and Pacific identities are constructed with the aim of enhancing the wellbeing and success of Māori and Pacific people in Aotearoa. She uses multimodal (inter)action analysis as a methodological and analytical framework to analyse the different datasets she collects. Her most recent publication was coproduced with a participant from her PhD project and is titled, *Constructing a hybrid Samoan identity through Siva Samoa in New Zealand: A multimodal (inter)action analysis of two dance rehearsals*. She is currently in the final year of a MBIE Science Whitinga Postdoctoral Fellowship where she has further explored Māori and Pacific identity construction within Aotearoa.

Professor Hinematau McNeill, BOS 1, presenter 1, p.4

Tapuika, Ngāti Moko, Tūhourangi

Bio

I believe that when indigenous knowledge is truly valued, it is not only a decolonising force, but can enrich our collective lived experience. I am currently leading a cross-disciplinary team investigating the feasibility of urupā tautāiao. While post-colonial tangihanga have retained the

essence of tūturu Māori (cultural authenticity), European introduced practices are environmentally detrimental. This study challenges iwi Māori to consider the impact current tangihanga have on Papatūānuku. The objective is to revitalise and adapt ancient tribal customs and practices for modern life, that are culturally compatible, affordable, and ecologically sustainable.

Saul Roberts, BOS 6, panel 4, p.5

Waikato-Tainui, Te Waiohūa (Ngāti Te Ata / Ngāti Te Rori)

Bio

Saul is a descendent of the ancient lines of Tāmaki Makaurau and affiliates to the Waiohūa and Waikato-Tainui iwi. He was raised in the ancient pā of Te Ihu a Mataoho under the guise of his father (Te Rapata Rapata – ex. Chairman of Makaurau Marae for 29 years) and grandfather, Rapata Te Huia Rapata. Graduating from the Auckland University School of Architecture in 1993, he now works for TOA Architects (Tāmaki Makaurau) in the space of Māori architecture. He is an advocate of te reo Māori me ōna tikanga and espouses Māoritanga in the architecture space throughout the country. In 1998, nominated by the former Minister of Māori Development, Hon. T au Henare, he served as a Board member of the NZ Registered Architects Board for three terms. Saul has worked extensively with the iwi in Tāmaki Makaurau throughout his professional life and continues to champion Māori design and innovation in the architecture education and construction industry. In 2022, Saul enrolled in a PhD programme in Huri Te Ao, School of Future Environments.

Dr Rachel Shearer, BOS 4, panel 2, p.4

Rongowhakaata, Te Aitanga a Māhaki, Pākehā

Bio

Dr Rachel Shearer is a māmā, artist and academic with whakapapa woven into the east coast iwi. Within AUT I am a senior lecturer and Te Kaiwhakaterere in the School of Future Environments. My research covers three strands. One strand is creative practice using sound which I have engaged with for over three decades. More recently it takes the form of (often collaborative) experiential sound installations or sound design / composition and writing that considers the voice of the whenua through Māori and Western worldviews. Another strand is in teaching – *How do we teach creative, innovate and regenerative thinking and doing?* The third strand is around collectively finding approaches for an authentic culturally responsive tertiary teaching and learning experience for Māori and Pacific students – *What does indigenised mainstream tertiary education look like?*

Patricia Te Whatu, BOS 6, panel 4, p.5

Ngāpuhi, Ngāti Kahungunu

Bio

He uri au nō ngā tōpitopito o te Hokianga-whakapau-karakia.

E hāngai ana ōku rangahau ki ngā aro o Huri Te Ao. Heoi anō, he kaupapa ake e ū ki ngā mahi konganuku (steel) a te rōpū (HERA – Heavy Engineering Research Association). Ko tā mātau, he whakatō ā Māori ngā mahi waihanga ā Pākehā me te Hononga o ngā ao e rua. Ko o mātau mahi a rōpū *Ngākopa* he rangahau pēhea te hono ngā mahi pūtaiao-Pākehā ki ngā mahi rangatira a Kui, a Koro arā ko ngā mahi mātauranga Māori. Ko te tūmanako ka tāea hoki te whakamahaia ēnei rangahau ki ngā mahi hangahanga whare o te tāone nui a Tāmaki-Makaurau anō hoki ā tōna wā ki te ao whānui.

Dr Daysha Tonumaipē'a, BOS 8, panel 6, p.5

Te Arawa, Tainui, Taranaki, Ngāti Hine, Cook Islands Māori (Aitutaki-Amuri)

Bio

Daysha is a researcher and facilitator involved in several disciplines that focus on addressing inequity in our Māori and Pasifika communities. These areas range from food environments and food systems, international development, vaccinations and immunisation, obesity prevention, indigenous methodologies, health and well-being for young women, racism, and domestic violence. Daysha is also Senior Consultant at Synergia and currently involved with projects for Te Whatu Ora, and Ministry of Education. Daysha's PhD is focused on the role of social enterprise as an upstream healthcare strategy in creating healthy food environments for Māori and Pasifika. A service-oriented and people-centred approach based on reciprocity to our communities is the compass for Daysha's work in research.

Dr Rebecca Trelease, BOS 5, panel 3, p.5

Te Ati Haunui-a-Pāpārangi

Bio

Dr Rebecca Trelease is a Senior Lecturer in Te Kura Whakapāho / School of Communication Studies and part of the 2019 Eke Tangaroa cohort. Her PhD thesis explores the hybrid nature of the Reality Television genre, with additional research towards a Master of Educational Leadership (AUT) focusing on cultural diversity in Higher Education. Rebecca is a member of Te Rōpū Tāki Māori for the Faculty of Design and Creative Technologies, has implemented student initiatives such as peer mentoring for South Campus, and delivered staff workshops for the Faculty's *He Waharoa Cultural Competency Programme*.

Dr Leilani Walker, BOS 8, panel 3, p.5

Te Whakatōhea

Bio

Scientists are storytellers that use quantitative techniques to persuade and inspire. As a behavioural ecologist by training, I use terrestrial invertebrate models to tell stories about sexual selection, intra-specific competition, and evolution. But I am also interested in the stories that science either doesn't tell or tells poorly. Therefore, my research attends to the question of equity in higher education and science, particularly for Māori and Pacific scientists and early career researchers in STEM subjects and tells stories about the exchanges that occur at the current and historical meeting places between science practice and te ao Māori.

Dr Isaac Warbrick, BOS 2, panel 1, p.4 presenting online

Ngāti Te Ata, Te Arawa, Ngāpuhi

Bio

Dr Isaac Warbrick is the director of Taupua Waiora Māori Research Centre and has a background in exercise science and the role of physical activity in improving hauora Māori. His current research focuses on exploring kōrero tuku iho as a driver and motivator for living a healthy lifestyle, and the role of ancestral knowledge, such as the Maramataka, in realigning with the natural environment, strengthening cultural identity, and improving health and well-being.

Toiroa Williams, BOS 8, panel 5, p.5

Te Whakatōhea, Ngai Tai, Te Whānau-ā-Apanui

Bio

Toiroa Williams is a Māori storyteller and documentary filmmaker with strong tribal connections and ancestral ties across Te Whakatōhea, Ngai Tai, and Te Whānau a Apanui. He grew up in Ōpōtiki, and his practice centres around expanded documentary making and oratory. In 2016 he completed a Masters' degree in documentary filmmaking, and he has been the recipient of numerous scholarships, including the AUT INTERNZ at the Sundance Institute.

Tangohia mai te taura (Take This Rope), is a practice-led research project that enquires into historical injustice. It involves an exhibition of photographs, composed waiata (songs), whakataukī (proverbs) and a documentary that artistically considers connections between Chief Mokokoko, whenua and whānau.

Dr Tania Haerekiterā Wolfgramm, BOS 8, panel 5, p.6

Te Aupouri, Te Whakatōhea, Vava'u Tonga

Bio

Experienced in working with Indigenous communities around the world and as an evaluator in Aotearoa and the Pacific, Tania approached her doctoral research determined to investigate the essence of evaluation and its impacts on humanity. She identified that a fundamental premise of colonial superiority underpinned current evaluation processes and methods in Aotearoa, New Zealand. She also highlighted that colonial-based ideologies and actions relating to evaluation deprived Māori communities of engaging their own values and principles in the evaluation process.

Based on her action research, Tania developed a new model for evaluation – Pou Mārama, a Māori values-centric framework founded on the kaingākau of Wairua (spirituality), Aroha (care and compassion), Tiaki (protection), and Ora (wellbeing). To achieve transformative outcomes and foster positive impact, Pou Mārama integrates the principles of Whanaungatanga (building respectful relationships), Manaakitanga (embracing complexity), Kaitiakitanga (translating interdisciplinary knowledge into creative solutions), and Rangatiratanga (ethical leadership).

Associate Professor Amanda Yates, BOS 4, panel 2, p.4

Ngāti Rangiwewehi, Ngāti Whakaue, Te Aitanga a Māhaki, Rongowhakaata

Bio

Associate Professor Amanda Yates is the programme leader and principal investigator of the Urban Wellbeing Research Programme, National Science Challenge Building Better Homes, Towns and Cities. She directs He Puna Ora, a regenerative action lab that is focused on urban system change. She works with councils, iwi and communities exploring place-based, indigenous led strategies and actions for urban transformation in an era of climate and biodiversity emergency.

Poster presentations

Zena Elliot for bio see p.10 of programme

Ngāti Awa

Title & Abstract

The Interplay of Patriarchy and Systemic Racism - The Role of Whakawhanaungatanga in The Creative Process and How Mahi Tahi can Facilitate Indigenous Wellbeing

This practice-led research explores the impacts of colonisation on wahine / ia kaiwhakairo through the lens of a toki (adze) and mana wahine theory. The research inquiry adopts a pūrākau methodology that functions simultaneously with practice-led research methods activated through whakairo wānanga and grounded in the values and principles of whakawhanaungatanga, kaitiakitanga, manaakitanga, wairuatanga and mauri ora. Knowledge can be understood through the experience of indigenous creative practice. Questions about the relationships between materials, techniques, context, interpretations, and their connection to Te ao Māori are transformative. It is through these devices we may reclaim, reimagine, and sculpt an aspiring future for wahine carvers. The research has unearthed harmful intricate connections between patriarchy, and systemic racism that often remain hidden beneath the surface of societal norms. The study aims to reveal the complexities of these interconnecting systems through lived experiences, official information, and personal communications, obtained during the research. The evidence calls into question the behaviours of institutions and organisations that actively protect systemic racism and the patriarchal systems that perpetuate discrimination, disparities, and trauma within diverse and indigenous creative communities. Moreover, the research presents the transformative potential of indigenous creative arts practice as a tool for confronting these oppressive ideologies and fostering well-being through whakawhanaungatanga and creative expression. By exploring the intersection and synchronised layers of these issues, we can better understand their complex nature and create innovative approaches through indigenous art practice that can facilitate wellness and empowerment. This study seeks to carve a pathway for a more equitable and inclusive future.

Jessica Roach

Taranaki

Bio

I am from a small rural town called Opunake in Taranaki. I am a New Zealand Māori/ European, with local ties to the Ngāti Kahumate hapu of Taranaki iwi. I completed my BSc at AUT; majoring in Marine Biology in 2020, then undertook a two-year MSc in Marine Science during 2021-2022. I have always been around the ocean growing up where it be for surf lifesaving or recreation, so I decided this is where I wanted my future job to be. I have since begun my PhD in 2023 focusing on the potential for a Bull-kelp aquaculture industry in New Zealand, which is a project funded by the Blue Economy CRC in Australia.

Title & Abstract

Creating opportunities for Bull Kelp aquaculture

Jessica Roach¹, Paul South² and W. Lindsey White¹

¹School of Science, Auckland University of Technology, ²Cawthron Institute

The Blue Economy Co-operative Research Centre is driving innovation in offshore developments to enhance renewable energy output, seafood production, and job creation, thereby transforming traditional blue economy sectors. This study focuses on the potential of large brown algae, specifically *Durvillaea poha* and *D. antarctica*, for offshore seaweed cultivation due to their wave energy tolerance and rich content of alginates and fucoidan. These polysaccharides, crucial in various brown algae, are especially abundant in this Genus.

However, a significant knowledge gap exists in the necessary biological information required for successful cultivation of *Durvillaea* species in New Zealand, especially concerning reproduction, early life-cycle development, growth, hatchery methods, and grow-out requirements. Addressing this gap is crucial for developing a successful bull kelp aquaculture industry.

Part of my PhD project is focused on monthly observations of *D. antarctica* and *D. poha* during their reproductive season to assess variations in fecundity and early zygote development and maturation. This also involved experiments investigating gamete viability, gamete release after sample collection, timed gamete release in relation to successful fertilization, and crossbreeding between the two species.

Dr Valance Smith

Ngāpuhi, Waikato, Ngāti Haina, Ngāti Pākehā

Bio

Dr Valance Smith is Kaihautū Tiriti, Assistant Pro Vice-Chancellor: Māori Advancement. Valance provides cultural leadership to AUT. His 2014 doctoral thesis looked at the role of contemporary Māori music in promoting te reo Māori. More recently, his research applies mātauranga Māori across many disciplines of research including Kaitiakitanga, well-being, and research in design for health.

Title & Abstract

Kaurilands – Oranga

Oranga is a suite of kaupapa Māori projects that aim to restore the collective health of trees, forests, and people, by connecting to and resourcing Māori communities and their environmental knowledge holders to explore solutions embedded in mātauranga Māori. Our projects are grounded in indigenous knowledge and practices and will collectively show how mātauranga-led research can contribute to addressing contemporary biosecurity issues,

specifically kauri dieback and myrtle rust, while integrating the aspirations of Māori and their communities, and strengthening and sustaining valuable knowledge structures



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TE WĀNANGA ARONUI
O TĀMAKI MAKĀU RAU