



MWC Research Symposium and Future Science Day Programme

Thursday 11th February

Venue: Engineering 405-460, Level 4, 20 Symonds Street, University of Auckland

Zoom link: <https://auckland.zoom.us/j/98671374858?pwd=YXBERlorZ25OK1lvWS9HNVhSaE5EQT09>

Meeting ID: 986 7137 4858 **Passcode:** 972896

9:00 – 9:15 Welcome/Mihi

Session 1: Metabolic Disease		Chair: Peter Shepherd
9:15 – 9:45	Peter Shepherd	Introduction
	Debbie Hay	GPCRs in Metabolic Disease Flagship
	Conor O'Sullivan	Sugar in Schools Study
9:45 – 10:45	Genetics and Metabolic Disease Flagship	
	Megan Leask	Identifying Novel Genetic Variants
	Troy Merry	Linking gene variants with human metabolic phenotypes
	Kate Lee	Studying specific impacts of gene variants
	Rinki Murphy	Understanding clinical implications of genetic variants
10:45 - 11:15	Morning Tea	
Session 2: Cancer		Chairs: Cris Print and Adam Patterson
11:15 – 12:45	Cris Print	Karakia Timatanga and brief introduction
	Saem Park	Characterization of the tumour microenvironment using Vectra Polaris
	Ian Hermans	Peptide vaccines: shifting targets. Experiences with Avalia Immunotherapies
	Roslyn Kemp	Immune diversity in the tumour microenvironment and its clinical impact
	Zhe (Regan) Fu	Tarloxotinib as an immune modulator
	Iman Kaviani	The development of immunoconjugates for cancer therapy
	Jack Flanagan	Molecular Approaches To Cancer Therapy: CSF-1R inhibitors
	Khanh Tran	Genomic characterisation of melanoma with new therapeutic combinations
	Sunali Mehta	Studies on p53 isoforms and YB-1: New insights into immuno-oncology and therapeutic opportunities
	Adam Patterson	Brief summary and Karakia whakamutunga
12:45 – 1:30	Lunch	



Session 3: MWC4 Overview		Chair: Greg Cook
1:30 – 2:00	Overview of plans for MWC4 – Greg Cook, Emily Parker, Margaret Brimble and Peter Shepherd	
Session 4: Infectious Disease		Chair: Shaun Lott
2:00 - 3:30	Veronica Playle	Whole genome sequencing for another global pandemic
	Kurt Krause	Overview of the MWC viral flagship with an eye to the future
	Jeremy Owen	New methods for natural product discovery from uncultivated microbes
	Nikki Moreland and Reuben McGregor	Understanding rheumatic fever for the development of diagnostics and vaccines against Group A <i>Streptococcus</i>
	Wanting Jiao and Jo Hicks	Combating antimicrobial resistance: Targeting cysteine biosynthesis in <i>Neisseria gonorrhoeae</i>
3:30 - 4:00	Afternoon Tea/ Early Career Mentoring break out session	

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Session 5: Future Science Research Talks (1)		Chair: Rebekah Bower
4:00 - 4:20	Kate Lee	Opening of Future Science Programme
	Sarah A Kessans	LUCY in the sky with protein crystals.
4:20 – 5:30 (Research Talks – Session 1)	Arielle Sulit	Metatranscriptomics Suggests Potential Mechanisms of Host-Microbiome Interactions on the Immune Response in Colorectal Cancer.
	Kiel Hards	Interspecies electron transfer mediates energy generation in pathogen- commensal communities.
	Lupe Isaia	An Undetected Outbreak of Carbapenem-resistant <i>Acinetobacter baumannii</i> within the Tupua Tamasese Mea'ole Hospital linked to Middlemore Hospital.
	Alan Cameron	Chemoselective Peptide Modification and Antimicrobial Applications.
Session 6: Future Science Poster session		
5:30 – 7:30	ECR poster presentations	
	Venue: Level 4 Atrium, Engineering Building, 20 Symonds Street	



MWC Future Science Day Programme

Friday 12th February

Zoom link: <https://auckland.zoom.us/j/97868572926?pwd=cDI4M1c1T0ZJR3lhZ2trZTFPdWM2QT09>

Meeting ID: 978 6857 2926 **Passcode:** 606875

Venue: Engineering 405-460, 20 Symonds Street, University of Auckland

Session 1: Future Science Research Talks (2)		Chair: Rakesh Banerjee
9:00 – 10:30 (Research Talks – Session 2)	Kate Lee	Good morning
	Hannah Burden	Understanding the metabolic effects of the Māori and Pacific unique gene variant CREBRF R457Q.
	Rose McLellan	Delineating the biosynthetic pathway to indole diterpenes in <i>Aspergillus alliaceus</i> .
	Mak Sarwar	Dual targeting of PI3K/Src in ovarian cancer.
	Alana Whitcombe	Comprehensive analysis of SARS-CoV-2 antibody dynamics in New Zealand.
	Tayla Rees	A Tale of Two Peptides: Identifying targets of peripheral AMY1 receptor.
10:30 - 11:00	Morning Tea	
Session 2: Future Science 3 minute talks		Chair: Euan Rodger
11:00 – 11:40	Three minute talks; Aparajita Chakraborty, George Chang, Peter Choi, Kevin Kasim, Jordan McCone, Keely Oldham, Ruby Roach, Khanh Tran, Niloofar Zandvakili	
11:40 – 12:00	Rakesh Banerjee & Simon Jackson	Presentation of 'hive mind' and prizegiving

Registration desk: Level 4 Atrium, Faculty of Engineering, Building 405, 20 Symonds St

QR codes will be at building entrances and on the registration desk – please scan with your NZ COVID19 Tracer app

Face masks will be available at the registration desk.

Guest Wi-Fi access

Select the wireless: UoA-Guest-WiFi

Enter the username: wireless@uoa.ac.nz

Enter the password: HWk65EoO



Confirmed speakers and affiliations

MWC Research Symposium	
Professor Dame Margaret Brimble	School of Chemical Sciences, University of Auckland
Professor Greg Cook	Department of Microbiology and Immunology, University of Otago
Dr Jack Flanagan	School of Medical Sciences, University of Auckland
Dr Zhe (Regan) Fu	The Malaghan Institute of Medical Research
Professor Debbie Hay	Department of Pharmacology and Toxicology, University of Otago
Professor Ian Hermans	The Malaghan Institute of Medical Research
Dr Jo Hicks	School of Science, University of Waikato
Dr Wanting Jiao	Ferrier Research Institute, Victoria University of Wellington
Dr Iman Kavianinia	School of Chemical Sciences, University of Auckland
Professor Roslyn Kemp	Department of Microbiology and Immunology, University of Otago
Professor Kurt Krause	Department of Biochemistry, University of Otago
Dr Megan Leask	Department of Biochemistry, University of Otago
Dr Kate Lee	School of Medical Sciences, University of Auckland
Dr Reuben McGregor	School of Medical Sciences, University of Auckland
Dr Sunali Mehta	Department of Pathology, University of Otago
Dr Troy Merry	School of Medical Sciences, University of Auckland
Dr Nikki Moreland	School of Medical Sciences, University of Auckland
Associate Professor Rinki Murphy	School of Medicine, University of Auckland
Mr Conor O'Sullivan	The Moko Foundation
Dr Jeremy Owen	School of Biological Sciences, Victoria University of Wellington
Dr Saem Park	School of Biological Sciences, University of Auckland
Professor Emily Parker	Ferrier Research Institute, Victoria University of Wellington
Associate Professor Adam Patterson	School of Medical Sciences, University of Auckland
Dr Veronica Playle	School of Medical Sciences, University of Auckland
Professor Cris Print	School of Medical Sciences, University of Auckland
Professor Peter Shepherd	School of Medical Sciences, University of Auckland
Dr Khanh Tran	School of Medical Sciences, University of Auckland

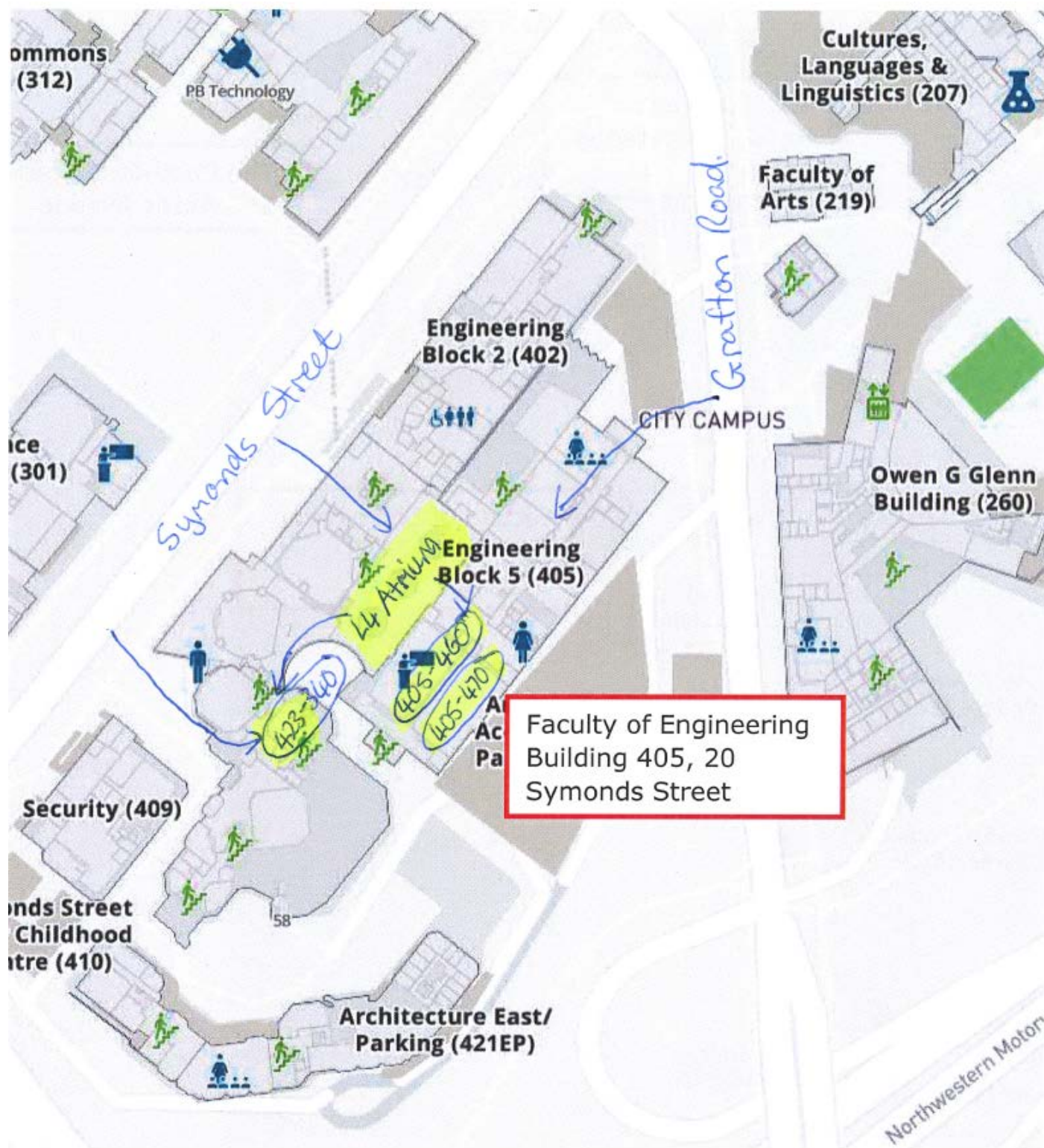


MWC Future Science Day Research Talks	
Ms Hannah Burden	School of Medical Sciences, University of Auckland
Dr Alan Cameron	School of Chemical Sciences, University of Auckland
Dr Kiel Hards	Department of Microbiology and Immunology, University of Otago
Ms Lupe Isaia	Department of Microbiology and Immunology, University of Otago
Dr Sarah Kessans	School of Physical and Chemical Sciences, University of Canterbury
Ms Rose McLellan	Ferrier Research Institute, Victoria University of Wellington
Ms Tayla Rees	School of Biological Sciences, University of Auckland
Dr Mak Sarwar	Department of Obstetrics and Gynaecology, University of Otago, Christchurch
Ms Arielle Sulit	School of Natural and Computational Sciences, Massey University
Ms Alana Whitcombe	School of Medical Sciences, University of Auckland
MWC Future Science Day 3 minute talks	
Ms Aparajita Chakraborty	School of Biological Sciences, University of Auckland
Dr George Chang	School of Medical Sciences, University of Auckland
Dr Peter Choi	School of Medical Sciences, University of Auckland
Mr Kevin Kasim	School of Biological Sciences, University of Auckland
Dr Jordan McCone	School of Chemical and Physical Sciences, Victoria University of Wellington
Ms Keely Oldham	School of Science, University of Waikato
Ms Ruby Roach	School of Fundamental Sciences, Massey University
Dr Khanh Tran	School of Medical Sciences, University of Auckland
Ms Niloofer Zandvakili	School of Medical Sciences, University of Auckland



Maps of MWC Symposia venue and accommodation providers

Symposia venue –





Accommodation –

