

QRW Programme
QMB Molecular Biology
 29 August – 31 August, 2016
 Rutherford Hotel, Nelson, New Zealand

Monday 29 August

Time	Details	Location
6.00 pm – 6.10 pm	Opening: Hon Steven Joyce , and Queenstown Research Week Chair Dr. Peter Shepherd	Maitai 2
6.10 pm – 6.40 pm	QRW Lecture: Professor Yaping Zhang 'Genetics of adaptation to high altitude'	Maitai 2
6.40 pm – 7.30 pm	QRW Lecture: Professor John Gurdon (Nobel Laureate)	Maitai 2
7.30 pm	QRW Social	Maitai 1 and 2

Tuesday 30 August

Time	Details	Location
<u>Molecular & structural biology</u>		
8.30am - 8.35am	Introduction : Jane Allison (Chair) Massey University	Maitai 2
8.35am - 9.20am (40+5)	Keynote 1 Leann Tilley (Q1) University of Melbourne <i>Imaging and modelling malaria parasites</i>	Maitai 2
9.20am - 9.40am (15+5)	Selected Matloob Husain (Q2) University of Otago <i>Host actin filament-stabilising protein, cortactin promotes influenza virus infection, but undergoes caspase-mediated degradation in epithelial cells</i>	Maitai 2
9.40am - 10.00am (15+5)	Selected Herah Hensji (Q3) University of Auckland <i>Long noncoding RNA ZFAS1 in ribosome regulation: a riddle wrapped in a mystery inside an enigma</i>	Maitai 2
10.00am-10.30am	Morning Tea	Maitai 1
	Chair: Ren Dobson , University of Canterbury	
10.30am - 11.05am (30+5)	Plenary 1 Antoine van Oijen (Q4) University of Woollongong <i>Single-molecule studies of DNA replication: the plasticity of the replisome</i>	Maitai 2
11.05am - 11.25am (15+5)	Selected Alicia Lai (Q5) University of Canterbury <i>Emergence of RNA editing in a long term evolution experiment</i>	Maitai 2
11.25am - 12.05pm (10x4min)	Lightning talks I Sponsored by NZSBMB <i>See abstract book for details</i>	Maitai 2
12.05pm - 12.30pm (20+5)	Plenary 2 James Murphy (Q6) Sponsored by BIC Walter & Eliza Hall Institute of Medical Research <i>The secret life of kinases: insights into non-catalytic functions from pseudokinases</i>	Maitai 2
12.30pm-1.30pm	Lunch	Maitai 1

	Chair: Kerry Loomes , University of Auckland	
1.30pm - 2.15pm (40+5)	Keynote 2 Dominika Emlund (Q7) Monash University <i>Single-particle cryo-electron microscopy - coming of age?</i>	Maitai 2
2.15pm - 2.35pm (15+5)	Selected Dorien Coray (Q8) University of Canterbury <i>Mutational robustness of RNA and protein: transitions from an RNA world</i>	Maitai 2
2.35pm – 2.55pm (15+5)	Selected Ashley Buckle (Q9) Monash University <i>Circumventing the stability-function trade-off in protein engineering</i>	Maitai 2
2.55pm - 3.30pm (30+5)	ThermoFisher Scientific™ Awardee Jane Allison (Q10) Massey University <i>Molecules in motion: computational molecular biology</i>	Maitai 2
3.30pm-4.00pm	Afternoon Tea	Maitai 1
	Chair: Anthony Poole , University of Canterbury	
4.00pm-4.40pm (10x4min)	Lightning talks II Sponsored by NZSBMB <i>See abstract book for details</i>	Maitai 2
4.40pm - 5.25pm (40+5)	Keynote 3 Ted Baker (Q11) Sponsored by pH Scientific University of Auckland <i>Riding the structural biology wave: towards an atomic view of biology</i>	Maitai 2
6.00pm-8.00pm	Joint QMB and MedSci Poster session	Maitai 2

Wednesday 31 August		
Time	Details	Location
<u>Marine molecular biology, ecology & evolution</u>		
8.50am - 8.55am	Introduction : Maren Wellenreuther Plant+Food Research/Lund University	Maitai 2
	Chair: Jonathan Puddick , Cawthron Institute	
8.55am - 9.40am (40+5)	Keynote 1 Ben Hankamer (Q12) University of Queensland <i>Developing next-generation solar powered microalgae systems for the production of high value products, foods and renewable solar fuels</i>	Maitai 2
9.40am - 10.00am (15+5)	Selected Michael Packer (Q13) Cawthron Institute <i>Microalgae and cyanobacteria as a source of functional food ingredients: increasing production, yield and range of bioactives</i>	Maitai 2
10.00am-10.30am	Morning Tea	Maitai 1
	Chair: Jonathan Puddick , Cawthron Institute	
10.30am - 11.05am (30+5)	Plenary 1 Kim Handley (Q14) Sponsored by Cawthron University of Auckland <i>Microbial seafloor response to the Gulf of Mexico oil spill</i>	Maitai 2
11.05am - 11.25am (15+5)	Selected Xavier Pochon (Q15) Cawthron Institute <i>Enhancing environmental biomonitoring using high-</i>	Maitai 2

	<i>throughput sequencing</i>	
11.25am - 12.00pm (30+5)	Plenary 2 Rochelle Constantine (Q16) University of Auckland <i>Plankton to Pooh: What metabarcoding can tell us about whales and their diet</i>	Maitai 2
12.00pm-12.30pm (25+5)	Illumina™ Emerging Researcher Award Erica Todd (Q17) University of Otago <i>Whole-transcriptome profiling of flexible sexual phenotypes in a model sex-changing fish, the bluehead wrasse</i>	Maitai 2
12.30pm-1.30pm	Lunch	Maitai 1
	Chair: Maren Wellenreuther , PFR/Lund University	
1.30pm - 2.15pm (40+5)	Keynote 2 Luciano Beheregaray (Q18) Flinders University <i>Evolutionary Genomics of Adaptation to Environmental Change in Non-model Aquatic Organisms</i>	Maitai 2
2.15pm - 2.35pm (15+5)	Selected Michael Bartlett (Q19) University of Canterbury <i>Rapid adjustment of ejaculate quality in response to sperm competition risk</i>	Maitai 2
2.35pm - 2.55pm (15+5)	Selected David Palmer (Q20) Lincoln University <i>Why Animalia (Metazoans) are more efficient at turning food into usable energy than other life forms</i>	Maitai 2
2.55pm - 3.30pm (30+5)	Plenary 3 Marnie Blewitt (Q21) Sponsored by Merck Walter & Eliza Hall Institute of Medical Research <i>Screening for epigenetic modifiers and characterising their molecular mechanisms of action, using X inactivation as a model system</i>	Maitai 2
3.30pm-4.00pm	Afternoon Tea	Maitai 1
	Chair: Maren Wellenreuther , PFR/Lund University	
4.00pm - 4.25pm (20+5)	NZSBMB/BIC speaker Kelan Chen (Q22) WEHI <i>Mechanistic and Structure-Function Characterisation of the Epigenetic Regulator SMCHD1</i>	Maitai 2
4.25pm - 5.10pm (40+5)	Keynote 3 Neil Gemmell (Q23) Sponsored by NeSI, NZGL & REANNZ University of Otago <i>Fishing for answers with RNA-seq</i>	Maitai 2
6.00pm-7.30pm	Fashionomics Sponsored by ThermoFisher Scientific	Rutherford Hotel Lobby
7.30pm-late	QMB Dinner	Maitai 2