

<p>QRW Programme Signal Transduction Satellite G protein-coupled receptors: Form, Function and Therapeutics Sunday 1 September – Monday 2 September, 2019 Rydges Hotel, Queenstown, New Zealand</p>
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Sunday 1 September		
Time	Details	Location
8.55am-9.00am	Introduction : Christopher Walker <i>Sponsored by Mediray</i> University of Auckland	Dart Room
Session 1: Chair Joseph Gingell		
9.00am - 9.30am	Lynn Liang (S1) <i>Sponsored by Mediray</i> Monash University <i>Structural insights into class B GPCR activation</i>	Dart Room
9.30am - 10.00am	Daniel Scott (S2) University of Melbourne <i>A molecular ruler for ligand efficacy: Using NMR to probe ligand induced changes in α1A-adrenoceptor conformational equilibria and characterize fragment hits</i>	Dart Room
10.00am - 10.30am	Morning Tea	Trades Area
Session 2: Chair Lynn Liang		
10.30am - 11:00am	Mick Foley (S3) La Trobe University <i>A single domain i-body against CXCR4 as a therapy for fibrosis</i>	Dart Room
11:00am - 11:30am	Cheng Xue Qin (S4) Baker Heart & Diabetes Institute <i>Formyl peptide receptors: novel targets for heart disease</i>	Dart Room
11.30am - 12:00pm	Karen Gregory (S5) Monash University <i>Structural insights into biased allosteric modulation of metabotropic glutamate receptor subtype 5</i>	Dart Room
12.00pm - 12:30pm	Natasha Grimsey (S6) <i>Sponsored by PerkinElmer</i> University of Auckland <i>Cannabinoid Receptor 2 Signalling Bias and Function in Human Primary Immune Cells</i>	Dart Room
12:30pm - 13:30pm	Lunch	Trades Area
Session 3: Chair Karen Gregory		
13:30pm - 14:00pm	Wendy Imlach (S7) <i>Sponsored by Thermo Fisher Scientific</i> Monash University <i>Targeting adenosine A1 receptor signalling to treat chronic pain</i>	Dart Room
14:00pm - 14:30pm	Christopher Walker (S8) University of Auckland <i>Exploring PACAP receptor signalling and pharmacology in sensory neurons</i>	Dart Room
14.30pm -15:00pm	Bronwyn Kivell (S9) <i>Sponsored by In Vitro Technologies</i>	Dart Room

	Victoria University of Wellington <i>Evaluation of G-protein biased opioids for the development of better, safer analgesics</i>	
15.00pm - 15:30pm	Levi Sowers (S10) University of Iowa <i>Central sites controlling CGRP-induced light-aversive behavior</i>	Dart Room
15:30pm - 16:00pm	Afternoon Tea	Trades Area
Short Talk and Poster Preview Session: Chair Rebekah Bower		
16:00pm - 16:20pm	David Finlay (S11) University of Otago <i>Towards neutral antagonism of the CB1 cannabinoid receptor</i>	Dart Room
16:20pm - 16:40pm	Michael Garelja (S12) University of Auckland <i>Mechanistic Insights into Ligand-Directed Signalling Bias – Characterization of an Adrenomedullin Alanine Library at Three Relevant Receptors</i>	Dart Room
16.40pm - 17:20pm	Three minute poster previews	Dart Room
17.30pm – 19.00pm	Poster Session <i>Sponsored by Mediray</i>	Marquee

Monday 2 September		
Time	Details	Location
G protein-coupled receptors: Form, Function and Therapeutics Keynote Joint session with Neuroendocrinology: Chair Christopher Walker		
9.00am - 10.00am	Julien Sebag (S13) <i>Sponsored by University of Auckland, School of Biological Sciences</i> University of Iowa <i>MRAP2: an essential GPCR regulatory protein for the control of energy and glucose homeostasis</i>	Clancy's Room
10.00am - 10.30am	Morning Tea	Trades Area
Joint session with Neuroendocrinology: Co-chairs Christina Buchanan and Mike Garratt		
10.30am - 11:00am	Nicola Lee (S14) <i>Garvan Institute of Medical Research</i> Leptin controls energy partitioning between fat and bone mass via a hypothalamic NPY relay	Clancy's Room
11:00am - 11:30am	Alexander Tups (S15) <i>Sponsored by Lab Supply Ltd</i> University of Otago <i>Beneficial Effects of Leptin Antagonism on Glucose Homeostasis in DIO Mice</i>	Clancy's Room
11.30am - 12:00pm	Sarah Spencer (S16) RMIT University <i>Ghrelin at the crossroad between stress and reproduction</i>	Clancy's Room
12.00pm - 12:30pm	Ming-Wei Wang (S17) Fudan University <i>Small molecule agonists for class B G protein-coupled receptors: past, present and future</i>	Clancy's Room

12:30pm - 13:30pm	Lunch	Trades Area
Session 4: Chair Natasha Grimsey		
13:30pm - 14:00pm	Angela Finch (S18) University of New South Wales <i>Control of α1A adrenoceptor ligand binding kinetics</i>	Dart Room
14:00pm - 14:30pm	Sebastian Furness (S19) Monash Univeristy <i>Refining the model for ligand-dependent differential receptor:transducer coupling</i>	Dart Room
14.30pm - 15:00pm	Joseph Gingell (S20) University of Auckland <i>Distinct regulation of two CGRP receptors</i>	Dart Room
15.00pm - 15:30pm	Michelle Halls (S21) Monash University <i>Preassembled GPCR signalling complexes mediate distinct cellular responses to ultra-low ligand concentrations</i>	Dart Room
15:30pm - 16:00pm	Afternoon Tea	Trades Area
Session 5: Chair Sebastian Furness		
16:00pm - 16:30pm	Jack Flanagan (S22) <i>sponsored by Millennium Science New Zealand</i> University of Auckland <i>New tools to dissect G-protein effector interactions in cells</i>	Dart Room
16:30pm - 17:00pm	Andrea Vernall (S23) <i>Sponsored by Maurice Wilkins Centre</i> University of Otago <i>Chromenopyrazole-based chemical tools to study cannabinoid type 2 receptor</i>	Dart Room
17:00pm - 17:05pm	Meeting Close	Dart Room
18:00pm - 19:30pm	Queenstown Research Week Opening Night Talks <i>Sponsored by University of Otago</i> Includes Lasker Prize Winner Joan Steitz	Queenstown Room and Clancys Room