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| **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 |

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| **Sunday 1 September** | | |
| **Time** | **Details** | **Location** |
| 8.55am-9.00am | **Introduction** : **Christopher Walker**  University of Auckland | Dart Room |
| 9.00am - 9.30am | **Lynn Liang (S1)**  Monash University  *Structural insights into class B GPCR activation Chip* | Dart Room |
| 9.30am - 10.00am | **Daniel Scott (S2)**  University of Melbourne  *A molecular ruler for ligand efficacy: Using NMR to probe ligand induced changes in α1A-adrenoceptor conformational equilibria and characterize fragment hits* | Dart Room |
| 10.00am - 10.30am | **Morning Tea** | **Trades Area** |
| 10.30am - 11:00am | **Mick Foley (S3)**  La Trobe University  *A single domain i-body against CXCR4 as a therapy for fibrosis* | Dart Room |
| 11:00am - 11:30am | **Cheng Xue Qin (S4)**  Baker Heart & Diabetes Institute  *Formyl peptide receptors: novel targets for heart disease* | Dart Room |
| 11.30am - 12:00pm | **Karen Gregory (S5)**  Monash University  *Structural insights into biased allosteric modulation of metabotropic glutamate receptor subtype 5* | Dart Room |
| 12.00pm - 12:30pm | **Natasha Grimsey (S6)**  University of Auckland  *Cannabinoid Receptor 2 Signalling Bias and Function in Human Primary Immune Cells* | Dart Room |
| 12:30pm - 13:30pm | **Lunch** | **Trades Area** |
| 13:30pm - 14:00pm | **Wendy Imlach (S7)**  Monash University  *Targeting adenosine A1 receptor signalling to treat chronic pain* | Dart Room |
| 14:00pm - 14:30pm | **Christopher Walker (S8)**  University of Auckland  *Exploring PACAP receptor signalling and pharmacology in sensory neurons* | Dart Room |
| 14.30pm -15:00pm | **Bronwyn Kivell (S9)**  Victoria University of Wellington  *Evaluation of G-protein biased opioids for the development of better, safer analgesics* | Dart Room |
| 15.00pm - 15:30pm | **Levi Sowers (S10)**  University of Iowa  *Central sites controlling CGRP-induced light-aversive behavior* | Dart Room |
| 15:30pm - 16:00pm | **Afternoon Tea** | **Trades Area** |
| **Short Talk and Poster Preview Session** | | |
| 16:00pm - 16:20pm | **David Finlay (S11)**  University of Otago  *Towards neutral antagonism of the CB1 cannabinoid receptor* | Dart Room |
| 16:20pm -16:40pm | **Michael Garelja (S12)**  University of Auckland  *Mechanistic Insights into Ligand-Directed Signalling Bias – Characterization of an Adrenomedullin Alanine Library at Three Relevant Receptors* | Dart Room |
| 16.40pm - 17:20pm | **Three minute poster previews** | Dart Room |
| 17.30pm – 19.00pm | **Poster Session** | **Marquee** |

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| **Monday 2 September** | | |
| **Time** | **Details** | **Location** |
| **G protein-coupled receptors: Form, Function and Therapeutics Keynote**  **Joint session with Neuroendocrinology** | | |
| 9.00am - 10.00am | **Julian Sebag (S13)**  University of Iowa  *MRAP2: an essential GPCR regulatory protein for the control of energy and glucose homeostasis* | Queenstown Room |
| 10.00am - 10.30am | **Morning Tea** | **Trades Area** |
| **Joint session with Neuroendocrinology** | | |
| 10.30am - 11:00am | **Nicola Lee (S14)**  *Garvan Institute of Medical Research*  Leptin controls energy partitioning between fat and bone mass via a hypothalamic NPY relay | Queenstown Room |
| 11:00am - 11:30am | **Alexander Tups (S15)**  University of Otago  *Beneficial Effects of Leptin Antagonism on Glucose Homeostasis in DIO Mice* | Queenstown Room |
| 11.30am - 12:00pm | **Luba Sominsky (S16)**  RMIT University  *Ghrelin at the crossroad between stress and reproduction* | Queenstown Room |
| 12.00pm - 12:30pm | **Ming-Wei Wang (S17)**  Fudan University  *Small molecule agonists for class B G protein-coupled receptors: past, present and future* | Queenstown Room |
| 12:30pm - 13:30pm | **Lunch** | **Trades Area** |
| 13:30pm - 14:00pm | **Angela Finch (S18)**  University of New South Wales  *Control of α1A adrenoceptor ligand binding kinetics* | Dart Room |
| 14:00pm - 14:30pm | **Sebastian Furness (S19)**  Monash Univeristy  *Refining the model for ligand-dependent differential receptor:transducer coupling* | Dart Room |
| 14.30pm - 15:00pm | **Joseph Gingell (S20)**  University of Auckland  *Distinct regulation of two CGRP receptors* | Dart Room |
| 15.00pm - 15:30pm | **Michelle Halls (S21)**  Monash University  *Preassembled GPCR signalling complexes mediate distinct cellular responses to ultra-low ligand concentrations* | Dart Room |
| 15:30pm - 16:00pm | **Afternoon Tea** | **Trades Area** |
| 16:00pm - 16:30pm | **Jack Flanagan (S22)**  University of Auckland  *New tools to dissect G-protein effector interactions in cells* | Dart Room |
| 16:30pm - 17:00pm | **Andrea Vernall (S23)**  University of Otago  *Chromenopyrazole-based chemical tools to study cannabinoid type 2 receptor* | Dart Room |
| 17:00pm - 17:05pm | **Meeting Close** | Dart Room |

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| 18:00pm - 19:30pm | **Queenstown Research Week Opening Night Talks**  Includes Lasker Prize Winner Joan Steitz | Queenstown Room and Clancys Room |