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| **QRW Satellite** **CRISPR Technologies**Monday 6th December 2021Rydges Hotel, Queenstown, New Zealand |

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| **Monday 6 December**  |
| **Time** | **Details** | **Location** |
| 8:30am - 9:30 am | **Mihi whakatau** | **Queenstown Room** |
| 9:30am - 9:45am | **Morning Tea** | **Level 5, Lobby** |
| 9:45am – 10:30am | **Mihi whakatau continues** | **Clancy Room** |
| 10.30am - 10.40m | **Introduction**: **Peter Fineran** | **Wakatipu Rm** |
| **Session 1: Clinical applications of CRISPR** **Chaired by: J. Hollywood (Auckland) S. Saadlee (Otago)** |
| 10.40am - 11.05am  | **Ciaran Lee ZOOM (C1)**University College Cork, Ireland *CRISPR gene editing. Proceed with caution* | **Wakatipu Rm** |
| 11.05am – 11.30am  | **Alasdair Russell ZOOM (C2)**Cancer Research UK, Cambridge *Title* | **Wakatipu Rm** |
| 11.30am - 11.45am  | **Hilary Sheppard (C3)** *sponsored by Maurice Wilkins Centre*University of Auckland*Gene-editing for the clinic* | **Wakatipu Rm** |
| 11.45am – 12.00pm | **Tet Woo Lee (C4)**University of Auckland, ACSRC*GCVL – A tool to disentangle different biological effects in pooled CRISPR/Cas9 knockout screens* | **Wakatipu Rm** |
| 12.00am - 12.15pm | **Barbara Lipert (C5)**University of Auckland, ACSRC*Lessons from genetic screens and single-gene knockouts with the CRISPR/Cas9 system* | **Wakatipu Rm** |
| 12.15pm - 12.30pm | **Aniruddha Chatterjee (C6)** *sponsored by QIAGEN*University of Otago*Editing DNA methylation in cancer cells* | **Wakatipu Rm** |
| 12.30pm - 12.40pm | **Chloe Malhi (C7)**,University of Auckland, *Dissecting the PD-1/PD-L1 axis in melanoma using a microRNA-based fine-tuning approach.* | **Wakatipu Rm** |
| 12.40pm – 1.35pm | **LUNCH** | **Trade Area (w overflow on L5 & Bazaar Restaurant)** |
| 1.35pm - 1.45pm | **Rakesh Banerjee (C8)**,University of Otago*Investigating DNA methylation as a mechanism for paradoxical gene activation using targeted epigenetic editing* | **Wakatipu Rm** |
| 1.45pm - 2.00pm | **Sarah Diermeier (C9)** *sponsored by Thermo Fisher Scientific*University of Otago*CRISPR/Cas technologies to study long non-coding RNAs* | **Wakatipu Rm** |
| **Session 2: New CRISPR technologies and biology****Chaired by: I. Basak (Otago) and N. McKean (Auckland)** |
| 2.00pm – 2.25pm | **Gavin Knott ZOOM (C10)**Monash University, Australia*‘Squeezing DNA into the active site’ – How ABEs edit the genome* | **Wakatipu Rm** |
| 2.25pm – 2.35pm | **Luke Stevenson (C11)**Victoria University, Wellington, Ferrier Institute*Developing a CRISPR-Cas9 system in Penicillium paxilli for secondary metabolite production* | **Wakatipu Rm** |
| 2.35pm – 2.45pm | **Leah Smith (C12)**University of Otago*Inverse regulation of CRISPR-Cas and surface-based immunity discriminates plasmids versus phages* | **Wakatipu Rm** |
| 2.45pm – 2.55pm | **David Mayo Muñoz (C13)**University of Otago*Type III CRISPR-Cas enables resistance against nucleus-forming jumbo phages* | **Wakatipu Rm** |
| 2.55pm – 3.05pm | **Nils Birkholz (C14)**University of Otago*Insights into anti-CRISPR control by the autoregulator Aca2* | **Wakatipu Rm** |
| 3.05pm – 3.15pm | **Saddlee Shehreen (C15)**University of Otago*Genome-wide analyses highlight the importance of anti-CRISPR regulation in mobile genetic elements* | **Wakatipu Rm** |
| 3.15pm – 3.30pm | **Joanna Putterill (C16)**University of Auckland*What are they doING in flowering time and development? Gene editing of INHIBITOR OF GROWTH genes in the model legume Medicago* | **Wakatipu Rm** |
| 3.30pm – 4.00pm | **AFTERNOON BREAK**  | **Trade Area & L5** |
| **Session 3: CRISPR in model systems****Chaired by: L. Smith and J. Smith (Otago)** |
| 4.00pm – 4.15pm | **Prasanna Kallingappa (C17)**University of Auckland, VJU*Fine Tuning CRISPR/Cas9 for Generating Genetically Altered Rodents* | **Wakatipu Rm** |
| 4.15pm – 4.30pm | **Björn Oback (C18)** *sponsored by Bio-Rad Laboratories Pty Ltd*AgResearch, Ruakura*Fetal kidney complementation in gene edited, immune-compatible sheep* | **Wakatipu Rm** |
| 4.30pm – 4.45pm | **Tanja Linnerz (C19)**University of Auckland*Exploring the role for the gout susceptibility gene ABCG2 during acute gouty inflammation* | **Wakatipu Rm** |
| 4.45pm – 4.55pm | **Natasha Elizabeth Mckean (C20)**University of Auckland*Creating a Transgenic Sheep Model of Alzheimer’s Disease* | **Wakatipu Rm** |
| 4.55pm – 5.05pm | **Brittany Vining ZOOM (C21)**Monash University, Australia*NT2/D1-cas9: a novel in vitro model for male human disorders of sex development* | **Wakatipu Rm** |
| 5.05pm  | **Closing remarks: V. Sander (Auckland)** | **Wakatipu Rm** |
| From 5.15pm | **POSTER SESSION** *sponsored by Bio-Rad Laboratories Pty Ltd* | **Level 7, Marquee** |
| 5.00pm-7.30pm | **EVENING SOCIAL FUNCTION***sponsored by Millennium Science***Canapes and drinks** | **Trade Area** |