

## QRW Programme

### NZ Immunology

Sunday 26 August – Monday 27 August, 2018

Rydges Hotel, Queenstown, New Zealand

## Sunday 26 August

Time	Details	Location
<b>Immuno-Oncology I</b> <b>Chaired by Rod Dunbar (Auckland).</b>		
9.00am – 9.15am	<b>Introduction : Rod Dunbar</b> University of Auckland	Clancy's Room
9.15am – 10.00am	<b>Cath Bollard (I1)</b> <i>sponsored by Mediray</i> Children's National Health System, MD, USA <i>T cell therapies for hematologic malignancies: beyond CARs</i>	Clancy's Room
10.00am - 10.30am	<b>Morning Tea</b>	Trades Area
<b>Immuno-Oncology II</b> <i>sponsored by Miltenyi Biotec</i> <b>Chaired by Ian Hermans (Wellington).</b>		
10.30am - 10.40am	<b>Hilary Sheppard (I2)</b> University of Auckland <i>Functional outcomes of fine tuning the expression of PD-L1 and PD-1 proteins to the melanoma immune response</i>	Clancy's Room
10.40am – 10.50am	<b>Julia Leman (I3) *B</b> University of Otago <i>Characterising dysfunctional T cells in colorectal cancer</i>	Clancy's Room
10.50am - 11.00am	<b>Daniel Verdon (I4) *H</b> University of Auckland <i>Detection and quantification of Programmed Cell Death Protein-1 (PD-1) receptor occupancy by single-dose nivolumab in chronic hepatitis B patient</i>	Clancy's Room
11.00am – 11.45am	<b>Peng Li (I5)</b> <i>sponsored by the MWC</i> Guangzhou Institutes of Biomedicine and Health, Guangzhou, China <i>A combination of chimeric switch-receptor T cells targeting both PD-1 and CTLA-4 suppresses tumor growth</i>	Clancy's Room
<b>Immuno-Oncology III</b> <b>Chaired by Margaret Currie (Christchurch).</b>		
11.45am - 11.55am	<b>Nick Shields (I6) *B</b> University of Otago <i>Tumour cell-derived proteases contribute to antigen processing and enhance cross-presentation</i>	Clancy's Room
11.55am – 12.05pm	<b>Milda Naciute (I7) *B</b> University of Otago <i>Immune response to oral therapeutic vaccination against colorectal cancer</i>	Clancy's Room

12.05pm – 12.15pm	<b>Jody Hazlett (I8) *M</b> University of Otago <i>Investigation of combination treatment of an aromatase inhibitor and anti-inflammatory treatment in a model of oestrogen receptor positive breast cancer</i>	Clancy's Room
12.15pm – 12.20 pm	<b>Abel Ang (I9)</b> University of Otago (Christchurch) <i>Effect of ascorbate on tumour associated macrophage phenotype ex vivo</i>	Clancy's Room
12.20pm – 12.25pm	<b>Janet Rhodes (I10)</b> University of Otago <i>Refining multiplex immunohistochemistry to quantify in situ immune infiltrate: improving survival of colorectal cancer patients</i>	Clancy's Room
12.30pm – 2.00pm	<b>Lunch</b>	Trades Area
<b>Inflammation</b> sponsored by Biolegend <b>Chaired by Paul Hessian (Dunedin).</b>		
2.00pm – 2.30pm	<b>Kathryn Friend (I11)</b> Biolegend <i>TotalSeq™ simultaneous proteomics and transcriptomics - the future of single cell analysis</i>	Clancy's Room
2.30pm – 2.40pm	<b>Silke Neumann (I12) *H</b> University of Otago <i>Investigating post-stroke immune responses in lean and obese mice</i>	Clancy's Room
2.40pm – 2.50pm	<b>Hamish Angus (I13) *B</b> University of Otago <i>Novel investigation of Crohn's disease T cell phenotypes and functionality in an in vitro human colonoid model</i>	Clancy's Room
2.50pm – 3.00pm	<b>Josh Lange (I14) *B</b> Malaghan Institute of Medical Research <i>Novel agonists to explore the function of mucosal associated invariant T (MAIT) cells as cellular adjuvants</i>	Clancy's Room
3.00pm – 3.10pm	<b>Natalie Lorenz (I15) *H</b> University of Auckland <i>Immune priming: Is it a major driver for rheumatic fever?</i>	Clancy's Room
3.10pm – 3.15pm	<b>Simon Shirley (I16)</b> AgResearch <i>Is the immune system of naïve mice affected by cow's milk?</i>	Clancy's Room
3.15pm – 3.20pm	<b>Gemma Laws (I17)</b> University of Otago <i>The effect of the probiotic Streptococcus salivarius (BLIS) K12 on human systemic immune responses</i>	Clancy's Room
3.20pm – 3.25pm	<b>Aarthi Rajesh (I18)</b> University of Otago <i>Depletion of Langerhans cell promote accelerated wound closure</i>	Clancy's Room
3.30pm	<b>Afternoon Tea</b>	Trades Area

<b>Molecular Immunology</b> sponsored by <i>In Vitro Technologies</i> Chaired by <b>Mike Berridge (Wellington)</b> .		
4.00pm – 4.10pm	<b>Reuben McGregor (I19) *H</b> University of Auckland <i>Immunoregulatory effects of vitamin D and its mechanism of action in CD4+ T cells, epigenetic clues</i>	Clancy's Room
4.10pm – 4.20pm	<b>Alicia Didsbury (I20) *B</b> University of Auckland <i>CD28 co-stimulation delivered in trans can effectively initiate T cell activation</i>	Clancy's Room
4.20pm – 4.30pm	<b>Linda Buss (I21) *B</b> University of Otago (Christchurch) <i>T-Cell Distribution in Melanoma from Exercising Mice</i>	Clancy's Room
4.30pm – 4.35pm	<b>Mei Lin Tay (I22)</b> University of Auckland <i>Identifying autoantibody targets as new biomarkers for acute rheumatic fever using high content protein arrays</i>	Clancy's Room
4.35pm – 4.40pm	<b>Janlin Chan (I23)</b> University of Auckland <i>Evaluation of a novel multi-Staphylococcal Superantigen like (SSL) fusion vaccine for Staphylococcus aureus</i>	Clancy's Room
4.40pm – 4.45pm	<b>Kar Yan Soh (I24)</b> University of Auckland <i>Functional analysis of streptococcus virulence factors using a zebrafish infection model</i>	Clancy's Room
4.45pm – 5.30pm	<b>Watson Oration</b> <b>Professor J Frank Griffin</b> <b>University of Otago</b> <i>sponsored by Mediray</i>	Clancy's Room
5.30pm -7.00pm	<b>Social Function with drinks and nibbles</b> <i>sponsored by Abcam</i>	Trades Area
7.00pm – 10.30pm	<b>Conference Dinner</b>	Public Kitchen and Bar

<b>Monday 27 August</b>		
Time	Details	Location
<b>AGM</b> <b>Ries Langley</b>		
8.00am – 9.00am	Annual General Meeting (NZASI)	Clancy's Room
<b>New Technologies in Immunology</b> Chaired by <b>Roslyn Kemp (Dunedin)</b> .		
9.00am – 9.45am	<b>Yury Goltsev (I25)</b> sponsored by <i>Maurice Wilkins Centre</i> Stanford University, CA, USA <i>Dissection of cellular niches by multi-dimensional tissue imaging</i>	Clancy's Room
<b>Vaccines</b> sponsored by the <i>MWC</i> Chaired by <b>Sarah Hook (Dunedin)</b> .		
9.45am – 9.55am	<b>Brin Ryder (I26) *B</b> University of Otago <i>BCG vaccination induces ILC expansion and alters phagocyte dynamics early after mycobacterial challenge</i>	Clancy's Room

9.55am – 10.05am	<b>Sam Blanchett (I27) *B</b> University of Auckland <i>PilVax: a novel peptide carrier for the development of vaccines against tuberculosis</i>	Clancy's Room
10.05am-10.15am	<b>Jacelyn Loh (I28) *H</b> University of Auckland <i>Improving mucosal immune responses generated by TeeVax, a T-antigen-based vaccine for the prevention of rheumatic fever</i>	Clancy's Room
10.15am – 10.25am	<b>Ashley Gaines (I29) *M</b> University of Auckland <i>Modulation of CX3CR1 Expression on T cells in vitro by common gamma-chain cytokine exposure</i>	Clancy's Room
10.25am – 10.30am	<b>Catherine Tsai (I30)</b> University of Auckland <i>PilVax – a novel peptide delivery platform for the development of mucosal vaccines</i>	Clancy's Room
10.30am – 11.00am	<b>Morning Tea</b>	Trades Area
<b>Cell Signalling</b> sponsored by BD Biosciences <b>Chaired by James Ussher (Dunedin)</b>		
11.00am-11.30am	<b>Mike Berridge (I31)</b> Malaghan Institute of Medical Research <i>The presence of mitochondrial DNA controls nuclear immune response gene expression in a breast tumour model</i>	Clancy's Room
11.30am – 11.40am	<b>Olivia Burn (I32) *B</b> Malaghan Institute of Medical Research <i>Altering the Mevalonate pathway to enhance CD8+ T cell responses</i>	Clancy's Room
11.40am – 11.50am	<b>Rajesh Lamicchane (I33) *B</b> University of Otago <i>Differential regulation of MR1- and cytokine stimulated MAIT cells</i>	Clancy's Room
11.50am – 12.00pm	<b>Deepa Patel (I34) *H</b> Malaghan Institute of Medical Research <i>To float like a butterfly, sting like a bee: A kinase-independent role of Protein kinase R in Anthrax lethal-toxin treated macrophages</i>	Clancy's Room
12.10pm – 1.30pm	<b>Lunch</b>	Trades Area
<b>Tissue Specific Immune Responses</b> sponsored by StemCell Technologies <b>Chaired by Hilary Sheppard (Auckland)</b>		
1.30pm – 1.40pm	<b>Alana Whitcombe (I35) *B</b> University of Auckland <i>Assessing the utility of SpnA, a novel Group A Streptococcus antigen, to improve clinical streptococcal serology</i>	Clancy's Room
1.40pm – 1.50pm	<b>Marion Schneider (I36) *H</b> University of Otago <i>Neutrophils suppress mucosal associated invariant T cells</i>	Clancy's Room

1.50pm – 2.00pm	<b>Evert Loef (I37) *H</b> University of Auckland <i>Human monocyte-derived dendritic cells respond chemokinetically to full-length CCL21, in contrast to the chemotactic responses to CCL19 and CCL21 that is C-terminally truncated by plasmin, as shown by live-cell microscopy</i>	Clancy's Room
2.00pm – 2.10pm	<b>Ginny Niemi (I38) *M</b> University of Otago <i>Immunologic considerations of a surgical mouse model of colorectal cancer</i>	Clancy's Room
2.10pm – 2.20pm	<b>Elyce Du Mez (I39) *B</b> University of Auckland <i>Individual and cocktails of TLR ligands influence cytokine secretion by human skin explants</i>	Clancy's Room
2.20pm – 2.25pm	<b>Douglas Gaskarth (I40)</b> University of Otago <i>Characterising T cell responses in an orthotopic intracaecal mouse model of colorectal cancer</i>	Clancy's Room
<b>Infectious Disease</b> <b>Chaired by Fiona Radcliff (Auckland)</b>		
2.30pm – 3.15pm	<b>Alex Corbett (I41)</b> <i>sponsored by Abacus DX</i> University of Melbourne and Peter Doherty Institute for Infection and Immunity, Melbourne, Australia <i>Potential for vaccination strategies targeting MAIT cells demonstrated by protection against lethal Legionella infection in mice</i>	Clancy's Room
3.30pm – 4.00pm	<b>Afternoon Tea</b>	Trades Area
<b>Closing</b> <b>Chaired by Ries Langley (Auckland).</b>		
4.00pm – 4.30pm	<b>Awards Presentation</b>	Clancy's Room
4.30pm – 4.45pm	<b>Closing Remarks</b>	Clancy's Room

**Key:**

- \*B** Buck Student Award Finalist
- \*H** Heslop Postdoc Award Finalist
- \*M** Marbrook Technician Award Finalist

<b>Queenstown Research Week Opening Night Welcome and Plenary Session</b>		
6.00pm – 6.10pm	<b>Welcome and Conference Opening: Peter Shepherd</b> University of Auckland	Queenstown & Clancy's Room
6.10pm – 6.25pm	<b>Official Opening: Prof. Juliet Gerrard</b> Prime Minister's Chief Science Advisor	Queenstown & Clancy's Room
6.25pm – 7.30pm	<b>Plenary Introduction: Peter Mace</b> University of Otago	Queenstown & Clancy's Room
	<b>Professor Elizabeth Blackburn</b> 2009 Nobel Prize in Physiology or Medicine for discovery of how chromosomes are protected by telomeres and the enzyme telomerase University of California, San Francisco <i>Sponsored by Health Sciences, University of Otago</i>	Queenstown and Clancy's Room
7.30pm – 9.00pm	<b>Opening Night Mixer</b> <i>sponsored by Abacus DX</i>	Trades Area

ASI-NZ wishes to acknowledge the generous support of our sponsors:

**The Maurice Wilkins Centre**



**Biolegend**



**StemCell Technologies**



**BD Biosciences**



**Miltenyi Biotec**



**In Vitro Technologies**



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**The Maurice and Phyllis Paykel Trust.**

