

QRW Programme

NZ Immunology

Sunday 26 August – Monday 27 August, 2018

Rydges Hotel, Queenstown, New Zealand

Sunday 26 August

Time	Details	Location
Immuno-Oncology I Chaired by Rod Dunbar (Auckland).		
9.00am – 9.15am	Introduction : Rod Dunbar University of Auckland	
9.15am – 10.00am	Cath Bollard (I1) <i>sponsored by Mediray</i> Children's National Health System, MD, USA <i>T cell therapies for hematologic malignancies: beyond CARs</i>	
10.00am - 10.30am	Morning Tea	
Immuno-Oncology II <i>sponsored by Miltenyi Biotec</i> Chaired by Ian Hermans (Wellington).		
10.30am - 10.40am	Hilary Sheppard (I2) University of Auckland <i>Functional outcomes of fine tuning the expression of PD-L1 and PD-1 proteins to the melanoma immune response</i>	
10.40am – 10.50am	Julia Leman (I3) *B University of Otago <i>Characterising dysfunctional T cells in colorectal cancer</i>	
10.50am - 11.00am	Daniel Verdon (I4) *H 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>	
11.00am – 11.45am	Peng Li (I5) <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>	
Immuno-Oncology III Chaired by Margaret Currie (Christchurch).		
11.45am - 11.55am	Nick Shields (I6) *B University of Otago <i>Tumour cell-derived proteases contribute to antigen processing and enhance cross-presentation</i>	
11.55am – 12.05pm	Milda Naciute (I7) *B University of Otago <i>Immune response to oral therapeutic vaccination against colorectal cancer</i>	

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

Molecular Immunology sponsored by <i>In Vitro Technologies</i> Chaired by Mike Berridge (Wellington).		
4.00pm – 4.10pm	Reuben McGregor (I19) *H University of Auckland <i>Immunoregulatory effects of vitamin D and its mechanism of action in CD4+ T cells, epigenetic clues</i>	
4.10pm – 4.20pm	Alicia Didsbury (I20) *B University of Auckland <i>CD28 co-stimulation delivered in trans can effectively initiate T cell activation</i>	
4.20pm – 4.30pm	Linda Buss (I21) *B University of Otago (Christchurch) <i>T-Cell Distribution in Melanoma from Exercising Mice</i>	
4.30pm – 4.35pm	Mei Lin Tay (I22) University of Auckland <i>Identifying autoantibody targets as new biomarkers for acute rheumatic fever using high content protein arrays</i>	
4.35pm – 4.40pm	Janlin Chan (I23) University of Auckland <i>Evaluation of a novel multi-Staphylococcal Superantigen like (SSL) fusion vaccine for Staphylococcus aureus</i>	
4.40pm – 4.45pm	Kar Yan Soh (I24) University of Auckland <i>Functional analysis of streptococcus virulence factors using a zebrafish infection model</i>	
4.45pm – 5.30pm	<p style="text-align: center;">Watson Oration Professor J Frank Griffin University of Otago <i>sponsored by Mediray</i></p>	
7.00pm – 10.30pm	Conference Dinner	Public Kitchen and Bar

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

9.55am – 10.05am	Sam Blanchett (I27) *B University of Auckland <i>PilVax: a novel peptide carrier for the development of vaccines against tuberculosis</i>	
10.05am-10.15am	Jacelyn Loh (I28) *H University of Auckland <i>Improving mucosal immune responses generated by TeeVax, a T-antigen-based vaccine for the prevention of rheumatic fever</i>	
10.15am – 10.25am	Ashley Gaines (I29) *M University of Auckland <i>Modulation of CX3CR1 Expression on T cells in vitro by common gamma-chain cytokine exposure</i>	
10.25am – 10.30am	Catherine Tsai (I30) University of Auckland <i>PilVax – a novel peptide delivery platform for the development of mucosal vaccines</i>	
10.30am – 11.00am	Morning Tea	
Cell Signalling sponsored by BD Biosciences Chaired by James Ussher (Dunedin)		
11.00am-11.30am	Mike Berridge (I31) Malaghan Institute of Medical Research <i>The presence of mitochondrial DNA controls nuclear immune response gene expression in a breast tumour model</i>	
11.30am – 11.40am	Olivia Burn (I32) *B Malaghan Institute of Medical Research <i>Altering the Mevalonate pathway to enhance CD8+ T cell responses</i>	
11.40am – 11.50am	Rajesh Lamicchane (I33) *B University of Otago <i>Differential regulation of MR1- and cytokine stimulated MAIT cells</i>	
11.50am – 12.00pm	Deepa Patel (I34) *H 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>	
12.10pm – 1.30pm	Lunch	
Tissue Specific Immune Responses sponsored by StemCell Technologies Chaired by Hilary Sheppard (Auckland)		
1.30pm – 1.40pm	Alana Whitcombe (I35) *B University of Auckland <i>Assessing the utility of SpnA, a novel Group A Streptococcus antigen, to improve clinical streptococcal serology</i>	
1.40pm – 1.50pm	Marion Schneider (I36) *H University of Otago <i>Neutrophils suppress mucosal associated invariant T cells</i>	

1.50pm – 2.00pm	Evert Loef (I37) *H 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>	
2.00pm – 2.10pm	Ginny Niemi (I38) *M University of Otago <i>Immunologic considerations of a surgical mouse model of colorectal cancer</i>	
2.10pm – 2.20pm	Elyce Du Mez (I39) *B University of Auckland <i>Individual and cocktails of TLR ligands influence cytokine secretion by human skin explants</i>	
2.20pm – 2.25pm	Douglas Gaskarth (I40) University of Otago <i>Characterising T cell responses in an orthotopic intracaecal mouse model of colorectal cancer</i>	
Infectious Disease Chaired by Fiona Radcliff (Auckland)		
2.30pm – 3.15pm	Alex Corbett (I41) <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>	
3.30pm – 4.00pm	Afternoon Tea	
Closing Chaired by Ries Langley (Auckland).		
4.00pm – 4.30pm	Awards Presentation	
4.30pm – 4.45pm	Closing Remarks	

Key:

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

<u>Queenstown Research Week Opening Night Welcome and Plenary Session</u>		
6.00pm	Welcome and Conference Opening: Peter Shepherd University of Auckland	
6.00pm – 7.00pm	Plenary Introduction: Peter Mace <i>sponsored by Lab Supply Ltd</i> University of Otago	
	Professor Elizabeth Blackburn 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 Sponsor: Health Sciences, University of Otago	
7.00pm	Opening Night Mixer <i>sponsored by Abacus DX</i>	

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



The Maurice and Phyllis Paykel Trust.

