



Clinical Immunology, Autoimmunity & Tolerance, Systems Immunology Pre-Meeting Workshop

9:00-9:10 Welcome and Acknowledgement of Country

9:10am - 10:45am Session 1: Clinical immunology and translation

Chair: Vanessa Bryant

9:10-9:50 Michelle Linterman: *'How human T and B cell response to vaccination changes with age'*

9:50-10:05 Joseph Mackie: *'Novel inborn errors of immunity in STAT3: From genotype to phenotype'*

10:05-10:20 Danika Hill *'Impaired HA-specific T follicular helper cell and antibody responses to influenza vaccination are linked to inflammation in humans'*

10:20-10:35 Anthony Farchione *'Dysregulated naive CD4+ T-cell proliferative responses in coeliac disease'*

10:35-10:45 Discussion

10:45am - 11:15am Morning Tea

11:15am - 1pm Session 2: Systems immunology and immune homeostasis (Sponsored by St Vincent's Institute Medical Research)

Chair: Di Yu

11:15-11:55 Dan Littman *'Regulation of immune homeostasis by the microbiota'*

11:55-12:10 Jazmina Gonzalez Cruz *'Adding a new string to our bow: Spatial transcriptomics for easy cancer treatment personalization'*

12:10-12:25 Garth Cameron *'Glycolipids from the gut symbiont Bacteroides fragilis are agonists for Natural Killer T cells and induce their regulatory differentiation'*

12:25-12:40 Hannah Law *'Utilising pseudotime and trajectory analysis to reveal functional plasticity of human lymph node T follicular helper (Tfh) and Pre-Tfh cells'*

12:40-12:50 Discussion



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12:50pm – 1:50pm Lunch

1:50pm – 3:30pm Session 3: Autoimmunity and tolerance

Chair: Emma Hamilton-Williams

1:50-2:30 Fabio Luciani *'Dissecting immuno-pathogenesis in active and refractory Coeliac disease using single cell multi-omics'*

2:30-2:45 Stephanie Huang: *'Inhibition of Leukocyte DNA release attenuates inflammation in experimental anti-neutrophil cytoplasmic antibody associated vasculitis'*

2:45-3:00 Felix March-Wakefield *'Peripheral B-cell dysregulation is associated with relapse after long-term quiescence in patients with multiple sclerosis'*

3:00-3:15 Cynthia Turnbull: *'DECTIN-1 as a modifier gene for CTLA-4 Haploinsufficiency'*

3:15-3:25 Discussion

3:25-3:45: Close and prizes