

Cytometry, Science and Strategy Event

14th of November, 2022

Time	Session Topic	Presenter	Talk
1:00 pm	Opening	Adrian Smith and Laurence Macia	<i>Introduction To The 2022 Cytometry, Science And Strategy Event</i>
1:10 pm	Flow Cytometry	Mahmoud Azar	<i>Introduction To Flow Cytometry Analysers At Sydney Cytometry</i>
		Linda Lin	<i>Deep Phenotyping Of Multiple Sclerosis Patients' Leukocyte Subsets And Extracellular Vesicles</i>
		Shivam Purohit	<i>Using Conventional Flow Cytometry To Investigate How Varicella Zoster Virus Infects And Functionally Hijacks Mucosal Associated Invariant T Cells</i>
1:27 pm	Cell Sorting	Steven Allen	<i>Introduction To Cell Sorting At Sydney Cytometry</i>
1:30 pm	Genomic Cytometry	Alexandra Sharland	<i>Introduction To Genomic Cytometry At Sydney Cytometry</i>
		Claire Wishart	<i>Connecting Transcriptomes Across Neuroinflammatory Disease Reveals Conserved And Unique Microglial And Monocyte Response Programs</i>
		Moumita Paul	<i>Multi-Modality Madness: TCR Sequence, Antigen Specificity, And Gene Expression Come Together</i>
1:49 pm	Mass Cytometry	Zarwa Yaseen	<i>Introduction To Mass Cytometry At Sydney Cytometry</i>
		Lauren Stern	<i>Defining Immune Signatures Associated With Cytomegalovirus Reactivation In Stem Cell Transplant Recipients Using Mass Cytometry</i>
		Angela Ferguson	<i>Cell And Tumour-Region Dependent Progression In Head And Neck Cancer Revealed By High-Dimensional Spatial Analysis</i>
		Farhan Ameen	<i>Shifting Your Frame Of Reference: A Novel Framework For The Evaluation Of Cell Relationships</i>
2:10 pm	Image Cytometry	Kathy On	<i>Introduction To Image Cytometry At Sydney Cytometry</i>
		Caroline Ashley	<i>Measuring SARS-CoV-2 Neutralising Antibodies Using The Opera Phenix Plus High-Content Screening System</i>
		Jessica Chedid	<i>A High-Content Analysis Pipeline For The Quantification Of Alpha-Synuclein Pathology And The Autophagy-Lysosomal Pathway In An Ipsc-Derived Model Of Parkinson's Disease</i>
2:25 pm	Data Analysis	Thomas Ashhurst	<i>Introduction To Data Analysis At Sydney Cytometry</i>
		Duan Ni	<i>Adopting Seurat As An Alternative In High Dimensional Flow Cytometry Data Analysis</i>
		Lucie Kraftova	<i>Peanut Allergy: Adult Blood Vs Cord Blood Immunophenotypes Differentiation Via Single Cell Data Analysis Approach</i>
2:40 pm	Integrating Technologies	Alanna Spiteri	<i>Multi-modal tracking of microglial response kinetics in neuroinflammatory disease</i>
3:00 pm	Afternoon Tea		
3:30 pm	Panel Discussion	Chair: Simon Ringer	<i>The Future Of Cytometry In The Multi-Omics Era</i>
			Panelists: Jean Yang, Peter Thorn, Alexandra Sharland and John Rasko
4:30 pm	Discussion	Laurence Macia and Adrian Smith	<i>The Academic and Technical Directors will lead discussions, joined by the Sydney Cytometry Academic Advisory Committee</i>
5:00 pm	Close		