



2020 High Dimensional Data Analysis Homeshow

17th-21th August



Systems Immunology: Technology, Quantification and Application SIG

Presented by :

Thomas Ashhurst
High-Dimensional Cytometry Specialist,
Sydney Cytometry Facility,
The University of Sydney

Felix Marsh-Wakefield
Discipline of Pathology,
School of Medical Sciences,
The University of Sydney

Givanna Haryona
School of Computer Science,
The University of Sydney

	Monday 17 th August	Tuesday 18 th August	Wednesday 19 th August	Thursday 20 th August	Friday 21 st August
Online lecture 1000-1130 AEST	Introduction and basics <ul style="list-style-type: none"> • Overview of computational analysis workflows 	Data preparation and batch alignment <ul style="list-style-type: none"> • Data preparation • Quality control • Data transformation • Batch alignment 	Clustering and dimensionality reduction <ul style="list-style-type: none"> • Approaches to clustering • Approaches to dimensionality reduction 	Quantification and statistics <ul style="list-style-type: none"> • Creating summary data • Heatmaps • Graphs • Statistical analysis • VALIDATION 	Specialist tasks <ul style="list-style-type: none"> • Time-series analysis • Classification for replicative analysis • Data integration
Hands-on practical Stream A: 1230-1400 Stream B: 1430-1600	<ul style="list-style-type: none"> • Introduction to R • Introduction to Spectre 				<div style="border: 2px solid orange; padding: 5px; background-color: #00aaff; color: white; text-align: center;"> 5 minute registrant presentations Prizes to be awarded </div>

All sessions: \$40 / \$60 (students/non-students)
 Lecture only: free / \$20 (students/non-students)

[Register now – click here!](#)

ACS Members get access to recorded online lecture content after the event.
 Join now! @ www.cytometry.org.au