

SingHealth Immunopathology Workshop

8 - 9 May 2023
Academia, Singapore General Hospital

Day One, Monday | 8 May 2023

8.30 am - 3 pm | Auditorium, Level 1

3 pm - 5 pm | L1-S1, Level 1

PROGRAMME

8.30am - 9.00am	Breakfast & registration
9.00am - 9.10am	Welcome address <i>Tony Lim, MBBS</i> <i>Chairman, SGH Division of Pathology</i> <i>Academic Chair, SingHealth Duke-NUS Pathology Academic Clinical Programme</i> <i>Professor, Duke-NUS Medical School</i>
9.10am - 9.55am	The overview of Spatial Technologies in the use of Immunopathology <i>Carlo B. Bifulco, MD</i> <i>Director and Head of Molecular Path, Providence, USA</i>
9.55am - 10.40am	The overview of immunoscore and spatial techs in the use of Immuno-Oncology – why do clinicians care? <i>Houssein Abdul Sater, MD</i> <i>Head of Oncology Research, Cleveland Clinic, Florida, USA</i>
10.40am - 11.15am	Break
11.15am - 12.00pm	The best practice of multiplex/hyperplex IHC/IF – Global community consensus <i>Joe Yeong, MBBS, PhD</i> <i>Principal Investigator, SGH Department of Anatomical Pathology and Institute of Molecular and Cell Biology (IMCB), A*STAR</i> <i>Assistant Professor, Duke-NUS Medical School</i>
12.00pm - 12.45pm	What are the tools for spatial techs analysis – How to make pathological sense? <i>Chin Wee Tan, PhD</i> <i>Senior Research Fellow, Division Bioinformatics, WEHI, University of Adelaide, Australia</i>
12.45pm - 1.30pm	Lunch
1.30pm - 2.15pm	Challenges and hurdles from imaging, analysis to clinical impact – TLS as a paradigm for IO <i>Tullia C. Bruno, PhD</i> <i>Assitant Professor of Immunology, UPMC Hillman Cancer, University of Pittsburgh, USA</i>
2.15pm - 3.00pm	Image processing and management for reproducible spatial biology analysis <i>Loo Lit-Hsin, PhD</i> <i>Senior Principal Investigator, Bioinformatics Institute (BII), A*STAR</i>
3.00pm - 3.15pm	Break
3.15pm - 5.00pm	Poster and projects discussion (Interaction session with refreshments)
5.00pm	End

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Day Two, Tuesday | 9 May 2023

8.00 am - 5 pm | Skills Lab 2A & 2B, Level 2

PROGRAMME

8.00am - 8.30am	Breakfast & registration
8.30am - 9.05am	Ultra High-Plex RNA and Protein at Single-Cell Resolution <i>Jennifer Hart</i> <i>Global Director, Technical Sales, NanoString Technologies</i>
9.05am - 9.45am	All you can ask about Spatial (Panel Discussion) <i>Carlo B. Bifulco, MD</i> <i>Tullia C. Bruno, PhD</i> <i>Houssein Abdul Sater, MD</i> <i>Loo Lit-Hsin, PhD</i> <i>Joe Yeong, MBBS, PhD</i> <i>Jennifer Hart</i> <i>Chin Wee Tan, PhD</i>
9.45am - 10.15am	Tea Break
10.15am - 10.35am	AtoMx Spatial Informatics Platform Demonstration <i>Gen Yong, PhD</i> <i>Field Application Scientist, Manager APAC, NanoString Technologies</i>
10.35am - 11.15am	Bioinformatics Analysis of Spatial Data <i>Tan Chin Wee, PhD</i> <i>Senior Post Doctoral Fellow, Walter and Eliza Hall Institute of Medical Research</i>
11.15am - 11.30am	Your Friendly Neighbourhood Service Provider <i>LifeStrands Genomics</i>
11.30am - 12.30pm	Lunch
12.30pm - 1.00pm	Poster award announcement
1.00pm - 1.40pm	General Visium Update (Tech overview) <i>Sean Tan, PhD</i> <i>Field Applications Manager, 10x Genomics</i>
1.40pm - 2.10pm	Space Ranger for CytAssist <i>Quy Xiao Xuan Lin, PhD</i> <i>Senior Scientist, Applied Bioinformatics, 10x Genomics</i>
2.10pm - 2.25pm	Image Registration for CytAssist <i>Sean Tan, PhD</i> <i>Field Applications Manager, 10x Genomics</i>
2.25pm - 2.55pm	Tea Break
2.55pm - 3.25pm	Spot Deconvolution Techniques <i>Quy Xiao Xuan Lin, PhD</i> <i>Senior Scientist, Applied Bioinformatics, 10x Genomics</i>
3.25pm - 4.25pm	Loupe and Websummary Demo - Visium FFPE Breast Walkthrough <i>Anjali Verma, PhD</i> <i>Senior Field Applications Scientist, 10x Genomics</i>
4.25pm - 5.00pm	Questions and Answers
5.00pm	End