

In Situ Hybridisation and Spatial Omics Symposium

Wednesday 20th May 2026

Session 1: Advancing In Situ Hybridization Technologies			
Time	Presenter	Title	Location
8:30 - 9:00		Registration	Atrium and Gallery
9:00 - 9:10	Dr Julia Jones	Welcome & Introduction of session chair, Dr Dario Bressan	Lecture Theatre
9:10 - 9:40	Prof Long Cai (Caltech)	Spatial RNA and DNA profiling of low-grade gliomas	Lecture Theatre
9:40 - 10:10	Prof Ilan Davis (University of Glasgow)	The case for bespoke FISH approaches to mRNA detection using advanced microscopy for absolute sensitivity at high/super-resolution	Lecture Theatre
10:10 - 10:40	Dr Ryan MacDonald (University College London)	Multiplexing to explore retina ageing and disease	Lecture Theatre
10:40 - 11:10		Coffee/tea	Atrium and Gallery
11:10 - 11:25	Dr Aneesh Acharya (Molecular Instruments)	HCR™ Gold and Pro: RNA-FISH, HiFi Encoder-Powered Multiplex IF, and RNA-ISH for High-Fidelity Spatial Detection	Lecture Theatre
11:25 - 11:55	Dr Brian Beliveau (University of Washington)	Technologies for investigating chromatin structure in situ	Lecture Theatre
11:55 - 12:15	Multiple	Poster Flash talks	Lecture Theatre
12:15 - 14:15		Lunch and poster session	Atrium and Gallery
Session 2: ISH in Disease Diagnostics and Therapeutics			
Time	Presenter	Title	Location
14:15 - 14:20	Dr Aldo Ciaiu Uitz	Introduction of the Chair, Dr Boye Schnack Nielsen	Lecture Theatre
14:20 - 14:50	Dr Susan Bullman (MD Anderson Cancer Center)	Intratumoral Microbes: From microniches to single cells	Lecture Theatre/Virtual
14:50 - 15:20	Dr Raza Ali (CRUK CI)	Spatial predictors of response to neoadjuvant IO therapy	Lecture Theatre
15:20 - 15:35	Dr Hower Lee HAGA.BIO	Focus where it truly matters: In situ RNA detection at single nucleotide resolution,	Lecture Theatre

		bridging discovery and validation.	
15:35 - 16:25		Coffee/tea	Atrium and Gallery
16:25 - 16:40	Alex Hobbs (OGT)	Advancing Digital Pathology for FFPE Tissue Slides	Lecture Theatre
16:40 - 17:10	Prof Udeni Balasuriya (Louisiana State University)	Spatial Molecular Pathology at the Virus-Host Interface: Unraveling Complex Pathogenic Mechanisms using RNAscope™ and IHC	Lecture Theatre
17:10 - 17:25	Dr Paul Edwards (Leica Biosystems)	How Multiplex Detection Unlocks Deeper Insights	Lecture Theatre
17:25 - 17:55		Panel discussion	Lecture Theatre
18:30		Leave for Homerton College (Symposium dinner)	

Thursday 21st May 2026

Session 3: The Future of Spatial Biology: Integrating ISH with Multiomics and AI			
Time	Presenter	Title	Location
8:45 - 8:50	Dr Boye Schnack Nielsen	Introduction of the Chair, Dr Julia Jones	Lecture Theatre
8:50 – 9:20	Prof Rong Fan (Yale University)	Spatially Decoding non-coding RNA Regulation in Human Cancers	Lecture Theatre
9:20 - 9:50	Prof Thomas Walter (Institute Paris)	Computational Methods for Linking Morphological Phenotypes and Spatial Gene Expression	Lecture Theatre
9:50 - 10:20	Dr Dario Bressan (CRUK CI)	Multi-level and multi-scale analysis of the tumour micro-environment	Lecture Theatre
10:20 - 10:35	Dr David Mason, Visiopharm	Visiopharm's flexible biology-led image analysis for spatial-multiomics and in-situ hybridisation	Lecture Theatre
10:35 - 11:15		Coffee/tea	Atrium and Gallery

11:15 - 11:45	Prof John Le Quesne (CRUK SI)	Self-supervised Artificial Intelligence for the Interpretation of Data-Rich Spatial Biology Images	Lecture Theatre
11:45 - 12:00	Pedro Espinosa Gonzalez (Indica Labs)	AI-Driven Image Analysis to Advance ISH Quantification and Spatial Biology in HALO®	Lecture Theatre
12:00 - 13:00		12:00 -13:00	Atrium and Gallery
Session 4: 3D Models and ISH in Complex Biological Systems			
13:00 - 13:05	Dr Will Howat	Introduction of the Chair, Prof Scott Fraser	Lecture Theatre
13:05 -13:35	Prof Hernan Garcia (Berkeley)	Scaling Up Physical Biology of Embryonic Development	Lecture Theatre
13:35 - 14:05	Dr Boye Schnack Nielsen (Bioneer)	microRNAs in brain organoids and other 3D cell models	Lecture Theatre
14:05 - 14:20	Dr Romain Le Bail (Bio-Techne)	Expand your Multiomics capabilities with RNAscope and COMET	Lecture Theatre
14:20 - 15:00		Coffee/tea	Atrium and Gallery
15:00 - 15:30	Prof Madeline Lancaster (MRC LMB)	Exploring brain morphogenesis and cell fate using organoids	Lecture Theatre
15:30 - 16:00	Dr Richard Tyser (Cambridge Stem Cell Institute)	Mapping Mammalian Heart Development: The emergence and differentiation of cardiac progenitors.	Lecture Theatre
16:00 - 16:30		Panel discussion	Lecture Theatre
16:30 - 16:45	Dr Julia Jones	Announcement of poster prize winner and symposium close	Lecture Theatre