

Hybrid Conference Programme

Start (GMT)	Finish (GMT)	Presenter details
Wednesday 10 June 2026		
12:30	13:30	Registration, lunch and networking
13:15		<i>Briefing for KNS, Session 1 speakers, microphone runners, committee & moderator- Auditorium</i>
13:30	13:45	Welcome and introductions
13:30	13:40	Wellcome Connecting Science: <i>Nagehan Ramazanoglu Bahadir, Wellcome Connecting Science, UK</i>
13:40	13:45	Scientific programme committee: Leeat Keren, Weizmann Institute of Science, Israel Cole Trapnell, University of Washington, USA Roser Vento-Tormo, Wellcome Sanger Institute, UK
13:45	14:35	Keynote
		<i>Chair: Roser Vento-Tormo, Wellcome Sanger Institute, UK</i> <i>Moderator: Lucia Wagner, University Of Virginia, USA</i>
13:45	14:35	Leveraging Single-Cell Technologies to Engineer the Immune System Ido Amit, Weizmann Institute of Science, Israel
14:35	14:45	Comfort break
14:45	16:45	Session 1: New computational approaches for single-cell analysis
		<i>Chair: Ido Amit, Weizmann Institute of Science, Israel</i> <i>Moderator: Lucia Wagner, University Of Virginia, USA</i>
14:45	15:15	Cellular and molecular mechanisms underlying multiple sclerosis: Insights from single-cell and spatial omics Gonçalo Castelo-Branco, Karolinska Institute, Sweden
15:15	15:45	Tracing dynamical prototypes in single-cell data Mor Nitzan, Hebrew University, Israel
15:45	16:15	Virtual Patient Labs: AI-Driven Simulation and Diagnostics for Precision Oncology Charlotte Bunne, EPFL, Switzerland
16:15	16:30	Probabilistic transcript-aware segmentation via Bayesian modeling of RNA assignment enhances spatial data analyses <i>Alex Lederer, Lausanne University Hospital (CHUV), Switzerland</i>
16:30	16:45	Comparative Biology at Single-Cell Resolution: Rigorous Matching of Atlases for Cross-Species Analysis <i>Marc-Antoine Jacques, EMBL-EBI, UK</i>
16:45	17:30	Refreshment break and networking
17:15		<i>Briefing for Sponsored talk speaker & chair - Auditorium</i>
17:30	18:00	Poster pitch talks for odd number posters
		<i>Chair: Roser Vento-Tormo, Wellcome Sanger Institute, UK</i>
18:00	18:15	Sponsored talk
18:00	18:15	Unlocking Same-Cell Biology: Non-Destructive Temporal Profiling and Precision Engineering via FluidFM® Technology <i>Tobias Beyer, CytoSurge, Switzerland</i>
18:15	19:15	Poster session 1 - odd number posters
19:15	21:00	Dinner
19:15		Bar open (card payments only)

Thursday 11 June 2026		
09:15	09:30	Briefing for Session 2 speakers, chair & moderator - Auditorium
09:30	11:00	Session 2: Single-cell going large scale Chair: Cole Trapnell, University of Washington, USA Moderator: Poorva Jain, University of Oxford, UK
09:30	10:00	Do We Really Need Everything Everywhere All At Once? Spatial, AI, and Everything in Between Sizun Jiang, Harvard Medical School, USA
10:00	10:30	Whole animal CRISPR screens James Gagnon, The University of Utah, USA
10:30	10:45	Resolving drug-tolerant persister states in oesophageal adenocarcinoma through integrated single-cell morphological and transcriptomic profiling. Martina Conti, Imperial College London, UK
10:45	11:00	A Single-Cell Perturbation Atlas of Oncology Drug Effects on Vaccine Responses in Human Tonsil Organoids Dingwen Su, University of Tübingen, Germany
11:00	11:45	Refreshment break and networking
11:30		Briefing for Session 3 speakers, chair & moderator - Auditorium
11:45	13:15	Session 3: Single-cell technology development Chair: Roser Vento-Tormo, Wellcome Sanger Institute, UK Moderator: Poorva Jain, University of Oxford, UK
11:45	12:15	Spatial Proteomics for next-generation pathology Leeat Keren, Weizmann Institute of Science, Israel
12:15	12:45	Toward continuous, information-rich DNA recording in mammals Theresa Loveless, Rice University, USA
12:45	13:00	Single-cell CRISPR activation screens in primary B cells discover gene regulatory mechanisms for hundreds of autoimmune risk loci. Hamish King, WEHI - Walter and Eliza Hall Institute of Medical Research, Australia
13:00	13:15	CellMate-seq uncovers ligand-receptor dialogues between individual cells Stefanie Grosswendt, Berlin Institute of Health/ Max Delbrück Center in the Helmholtz Association, Germany
13:15	14:30	Lunch and networking
14:15		Briefing for Session 4 speakers, chair & moderator - Auditorium
14:30	16:00	Session 4: Single-cell beyond the transcriptome Chair: Leeat Keren, Weizmann Institute of Science, Israel Moderator: Bianca Frade, Federal University of Rio de Janeiro, Brazil
14:30	15:00	Epigenomic evolution of breast cancers at single-cell resolution Céline Vallot, Institut Curie, France
15:00	15:30	Lipids as Molecular Codes for Supracellular Architectures Giovanni D'Angelo, EPFL, Switzerland
15:30	15:45	Cellular and molecular architecture of human ectopic pregnancies Ana Paredes, Wellcome Sanger Institute, UK
15:45	16:00	From Mutation to Transcription: mechanisms of clonal expansion in haematopoiesis at single cell resolution Laura Mincarelli, Wellcome Sanger Institute, UK
16:00	16:45	Refreshment break and networking
16:30		Briefing for Poster pitch chair - Auditorium
16:45	17:15	Poster pitch talks for even number posters Chair: Leeat Keren, Weizmann Institute of Science, Israel
17:15	18:15	Poster session 2 - even number posters
18:15	20:30	Dinner
18:15		Bar open (card payments only)

Friday 12 June 2026		
09:15	09:30	Briefing for Session 5 speakers, chair & moderator - Auditorium
09:30	11:00	Session 5: Single-cell analysis of non-model organisms <i>Chair: Cole Trapnell, University of Washington, USA</i> <i>Moderator: Bianca Frade, Federal University of Rio de Janeiro, Brazil</i>
09:30	10:00	The Malaria Cell Atlas Mara Lawniczak, Wellcome Sanger Institute, UK
10:00	10:30	Evolution of Gene Regulatory mechanisms as a driver for cell type expansions in animals Heather Marlow, University of Chicago, USA
10:30	10:45	From Cells to Data in One Plate — Breaking the Throughput Barrier in Single-Cell Metagenomics with Semi-Permeable Capsules <i>Iryna Yakovenko, Umea University, Sweden</i>
10:45	11:00	Exploring the evolutionary diversity of pigment cells using iPACS, a fully integrated label-free imaging flow cytometry – scRNA-Seq approach. <i>Dimitri Meistermann, University of Helsinki, Finland</i>
11:00	11:30	Refreshment break and networking
11:15		Briefing for Session 6 speakers, chair, moderator & committee - Auditorium
11:30	13:00	Session 6: Spatial technologies <i>Chair: Leeat Keren, Weizmann Institute of Science, Israel</i> <i>Moderator: Valentina Lorenzi, Wellcome Sanger Institute, UK</i>
11:30	12:00	Spatial transcriptomics by in situ sequencing Mats Nilsson, Stockholm University, Sweden
12:00	12:15	Inferring the neighborhood composition dynamics in spatial transcriptomics data with cell-type velocity <i>Serafima Dubnov, The Hebrew University of Jerusalem, Israel</i>
12:15	12:30	Spatial Omics: Building Virtual Embryo and Revolutionizing Cell Lineage Studies <i>Guangdun Peng, Chinese Academy of Sciences, China</i>
12:15	12:45	ICEPS for fast and robust detection of spatially variable genes <i>Michael Prummer, ETH Zurich, Switzerland</i>
12:45	13:00	Spatial Transcriptomics Anchored to In Vivo PET Imaging Links a Disease-Driving Osteogenic Niche to Imaging Signal in Aortic Stenosis <i>Stefan Veizades, The University of Edinburgh, UK</i>
13:00	13:15	Closing Remarks Scientific Programme Committee: Leeat Keren, Weizmann Institute of Science, Israel Cole Trapnell, University of Washington, USA Rosier Vento-Tormo, Wellcome Sanger Institute, UK
13:15	14:15	Lunch and departures
14:15		Coach departure for Stansted and Heathrow airports
14:25		Coach departure for Cambridge train station and city centre