

**Hybrid Conference Programme**

Start (GMT)	Finish (GMT)	Presenter details
<b>Wednesday 10 June 2026</b>		
12:30	13:30	<b>Registration, lunch and networking</b>
13:15		<i>Briefing for KNS, Session 1 speakers, microphone runners, committee &amp; moderator- Auditorium</i>
13:30	13:45	<b>Welcome and introductions</b>
13:30	13:40	<b>Wellcome Connecting Science:</b> <i>Nagehan Ramazanoglu Bahadir, Wellcome Connecting Science, UK</i>
13:40	13:45	<b>Scientific programme committee:</b> <a href="#">Leeat Keren, Weizmann Institute of Science, Israel</a> <a href="#">Cole Trapnell, University of Washington, USA</a> <a href="#">Roser Vento-Tormo, Wellcome Sanger Institute, UK</a>
13:45	15:15	<b>Session 1: New computational approaches for single-cell analysis</b> <i>Chair: Roser Vento-Tormo, Wellcome Sanger Institute, UK</i> <i>Moderator: Lucia Wagner, University Of Virginia, USA</i>
13:45	14:15	Cellular and molecular mechanisms underlying multiple sclerosis: Insights from single-cell and spatial omics <a href="#">Gonçalo Castelo-Branco, Karolinska Institute, Sweden</a>
14:15	14:45	Tracing dynamical prototypes in single-cell data <a href="#">Mor Nitzan, Hebrew University, Israel</a>
14:45	15:00	Probabilistic transcript-aware segmentation via Bayesian modeling of RNA assignment enhances spatial data analyses <i>Alex Lederer, Lausanne University Hospital (CHUV), Switzerland</i>
15:00	15:15	Comparative Biology at Single-Cell Resolution: Rigorous Matching of Atlases for Cross-Species Analysis <i>Marc-Antoine Jacques, EMBL-EBI, UK</i>
15:15	16:00	Refreshment break and networking
15:45	16:00	<i>Briefing for speakers &amp; chairs - Auditorium</i>
16:00	17:15	<b>Session 1 (cont'd): New computational approaches for single-cell analysis</b> <i>Chair: Roser Vento-Tormo, Wellcome Sanger Institute, UK</i> <i>Moderator: Lucia Wagner, University Of Virginia, USA</i>
16:00	16:30	Assembling a single-cell perturbation atlas of the zebrafish embryo <a href="#">Cole Trapnell, University of Washington, USA</a>
16:30	17:00	Evolution of Gene Regulatory mechanisms as a driver for cell type expansions in animals <a href="#">Heather Marlow, University of Chicago, USA</a>
17:00	17:15	ICEPS for fast and robust detection of spatially variable genes <i>Michael Prummer, ETH Zurich, Switzerland</i>
17:15	17:45	<b>Poster pitch talks for odd number posters</b> <i>Chair: Leeat Keren, Weizmann Institute of Science, Israel</i>
17:45	18:00	<b>Sponsored talk</b>
17:45	18:00	Unlocking Same-Cell Biology: Non-Destructive Temporal Profiling and Precision Engineering via FluidFM® Technology <i>Tobias Beyer, CytoSurge, Switzerland</i>
18:00	19:00	<b>Poster session 1 - odd number posters</b>
19:00	21:00	Dinner
19:00		Bar open (card payments only)

**Thursday 11 June 2026**

09:15	09:30	Briefing for Session 2 speakers, chair & moderator - Auditorium
<b>09:30</b>	<b>11:00</b>	<b>Session 2: Single-cell going large scale</b> <i>Chair: Cole Trapnell, University of Washington, USA</i> <i>Moderator: Poorva Jain, University of Oxford, UK</i>
09:30	10:00	Do We Really Need Everything Everywhere All At Once? Spatial, AI, and Everything in Between <a href="#">Sizun Jiang, Harvard Medical School, USA</a>
10:00	10:30	Whole animal CRISPR screens <a href="#">James Gagnon, The University of Utah, USA</a>
10:30	10:45	Resolving drug-tolerant persister states in oesophageal adenocarcinoma through integrated single-cell morphological and transcriptomic profiling. <i>Martina Conti, Imperial College London, UK</i>
10:45	11:00	A Single-Cell Perturbation Atlas of Oncology Drug Effects on Vaccine Responses in Human Tonsil Organoids <i>Dingwen Su, University of Tübingen, Germany</i>
11:00	11:45	Refreshment break and networking
11:30		Briefing for Session 3 speakers, chair & moderator - Auditorium
<b>11:45</b>	<b>13:15</b>	<b>Session 3: Single-cell technology development</b> <i>Chair: Cole Trapnell, University of Washington, USA</i> <i>Moderator: Poorva Jain, University of Oxford, UK</i>
11:45	12:15	Spatial Proteomics for next-generation pathology <a href="#">Leeat Keren, Weizmann Institute of Science, Israel</a>
12:15	12:45	Toward continuous, information-rich DNA recording in mammals <a href="#">Theresa Loveless, Rice University, USA</a>
12:45	13:00	Single-cell CRISPR activation screens in primary B cells discover gene regulatory mechanisms for hundreds of autoimmune risk loci. <i>Hamish King, WEHI - Walter and Eliza Hall Institute of Medical Research, Australia</i>
13:00	13:15	CellMate-seq uncovers ligand–receptor dialogues between individual cells <i>Stefanie Grosswendt, Berlin Institute of Health/ Max Delbrück Center in the Helmholtz Association, Germany</i>
13:15	14:30	Lunch and networking
14:15		Briefing for Session 4 speakers, chair & moderator - Auditorium
<b>14:30</b>	<b>16:00</b>	<b>Session 4: Single-cell beyond the transcriptome</b> <i>Chair: Leeat Keren, Weizmann Institute of Science, Israel</i> <i>Moderator: Valentina Lorenzi, Wellcome Sanger Institute, UK</i>
14:30	15:00	Epigenomic evolution of breast cancers at single-cell resolution <a href="#">Céline Vallot, Institut Curie, France</a>
15:00	15:30	Lipids as Molecular Codes for Supracellular Architectures <a href="#">Giovanni D'Angelo, EPFL, Switzerland</a>
15:30	15:45	Cellular and molecular architecture of human ectopic pregnancies <i>Ana Paredes, Wellcome Sanger Institute, UK</i>
15:45	16:00	From Mutation to Transcription: mechanisms of clonal expansion in haematopoiesis at single cell resolution <i>Laura Mincarelli, Wellcome Sanger Institute, UK</i>
16:00	16:45	Refreshment break and networking
16:30		Briefing for Poster pitch chair - Auditorium
<b>16:45</b>	<b>17:15</b>	<b>Poster pitch talks for even number posters</b> <i>Chair: Leeat Keren, Weizmann Institute of Science, Israel</i>
<b>17:15</b>	<b>18:15</b>	<b>Poster session 2 - even number posters</b>
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
<b>09:30</b>	<b>10:30</b>	<b>Session 5: Single-cell analysis of non-model organisms</b> <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 <a href="#">Mara Lawniczak, Wellcome Sanger Institute, UK</a>
10:00	10:15	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>
10:15	10:30	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>
10:30	11:00	Refreshment break and networking
10:45	11:00	Briefing for Session 6 speakers, chair, moderator & committee - Auditorium
<b>11:00</b>	<b>12:15</b>	<b>Session 6: Spatial technologies</b> <i>Chair: Leeat Keren, Weizmann Institute of Science, Israel</i> <i>Moderator: Bianca Frade, Federal University of Rio de Janeiro, Brazil</i>
11:00	11:30	Spatial transcriptomics by in situ sequencing - <b>virtual</b> <a href="#">Mats Nilsson, Stockholm University, Sweden</a>
11:30	11:45	Inferring the neighborhood composition dynamics in spatial transcriptomics data with cell-type velocity - <b>virtual</b> <i>Serafima Dubnov, The Hebrew University of Jerusalem, Israel</i>
11:45	12:00	Spatial Omics: Building Virtual Embryo and Revolutionizing Cell Lineage Studies <i>Guangdun Peng, Chinese Academy of Sciences, China</i>
12:00	12:15	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>
<b>12:15</b>	<b>13:05</b>	<b>Keynote</b> <i>Chair: Roser Vento-Tormo, Wellcome Sanger Institute, UK</i> <i>Moderator: Lucia Wagner, University Of Virginia, USA</i>
12:15	13:05	Leveraging Single-Cell Technologies to Engineer the Immune System <a href="#">Ido Amit, Weizmann Institute of Science, Israel</a>
<b>13:05</b>	<b>13:15</b>	<b>Closing Remarks</b> <b>Scientific Programme Committee:</b> <a href="#">Leeat Keren, Weizmann Institute of Science, Israel</a> <a href="#">Cole Trapnell, University of Washington, USA</a> <a href="#">Roser Vento-Tormo, Wellcome Sanger Institute, UK</a>
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