



Research & Innovation 2017

Cells as Models of Disease & New Therapeutics
29th - 30th March 2017, HOMERTON COLLEGE, CAMBRIDGE

Single cell analysis including transcriptomics, NGS, micro-fluidics
Wednesday 29th March 2017

For many years the ability to measure single cells has promised to change how we understand their biology and potential to be modified by medicines. Having techniques that enable us to understand every single cell and how they interact with each other is becoming increasingly important. Novel cell models presents an opportunity to advance drug discovery and development. This track will bring together the industrial and academic experts that are now using these technologies to change the way study biology and find new therapeutics.

SESSION CHAIRS: Frank Craig, Sphere Fluidics & Bertie Gottgens, Cambridge Stem Cell Institute

TIME	SPEAKER	TITLE
09:05 - 09:15	Session Chairs	Opening Remarks & Introduction of Keynote
09:15 - 10:15	Plenary Keynote: Ian Tomlinson (Apollo Therapeutics)	Real Discovery Partnership: Making industrial-academic interactions work
10:15 - 10:30	VENDOR SNAPSHOTS	
10:30 - 11:00	COFFEE BREAK	
11:00 - 11:10	Session Chairs	Introductions
11:10 - 11:40	Mike Stubbington (Sanger)	The Human Cell Atlas
11:40 - 11:45	VENDOR SNAPSHOT	
11:45 - 12:15	Iain Macaulay (Earlham Institute Norwich)	Single cell multi-omics: Multiple measurements from single cells
12:15 - 12:25	VENDOR SNAPSHOTS	
12:25 - 12:55	POSTER TASTERS	
12:55 - 14:00	LUNCH (EXHIBITION & POSTERS)	
14:00 - 14:30	Ana Cvejic (Wellcome Trust andMRC Cambridge Stem Cell Institute)	Exploring the mechanisms of haematopoietic lineage progression at the single-cell level
14:30 - 15:00	Valerie Taly (Paris Descartes University)	Single Cell Analysis in droplet-based microfluidics: towards a new tool for cancer research
15:00 - 15:30	COFFEE BREAK	
15:30 - 16:00	Ulf Landegren (Uppsala University)	Molecular tools for single cell and single molecule analysis
16:00 - 16:30	Cristina LoCelso (Imperial College London)	Healthy and malignant haematopoiesis in the bone marrow: dynamic cells in an evolving environment
16:30 - 17:00	Christoph Merten (EMBL, Heidelberg)	Living droplets - biomedical discovery at high throughput
17:00 - 19:00	NETWORKING, DRINKS RECEPTION & WINE TASTING	