

Oxford Consortium for Single Cell Biology

Oxford Single Cell Symposium

Friday, 19 May 2017

St Catherine's College, Oxford

09.15 – 09.25	Welcome by <i>Doug Higgs</i> , WIMM Director		
	Chair: Doug Higgs		
09.25 – 09.45	Neil Ashley	WIMM	<i>The WIMM Single Cell Facility</i>
09.45 – 10.05	Rory Bowden	WTCHG	<i>The WTCHG Single Cell Facility</i>
10.05 – 10.25	David Knapp	WIMM	<i>Definition of the normal human hematopoietic stem cell state at single-cell resolution</i>
10.25 – 10.45	Quin Wills	WTCHG	<i>Single-cell methods as a post-GWAS toolbox to study diabetes and metabolism</i>
10.45 – 11.15	Break		
	Chair: Irene Roberts		
11.15 – 11.35	Bilyana Stoilova	WIMM	<i>Functional and transcriptional heterogeneity of human hemopoietic lympho-myeloid progenitors at the single cell level</i>
11.35 – 11.55	Steve Sansom	Kennedy	<i>Deconstructing immune system development and dysregulation with single-cell genomics</i>
11.55 – 12.15	Andi Roy	WIMM	<i>Re-ordering the B Cell developmental hierarchy in human fetal life : characterization of a novel human fetal B progenitor</i>
12.15 – 12.50	Peter Donnelly	WTCHG	<i>A novel method for DNA amplification from single sperm cells allows genome-wide sequencing and yields new insights into meiosis.</i>
12.50 – 14.00	Lunch		
	Chair: Catherine Porcher		
14.00 – 14.20	Matthew Daniels	CVM	<i>Excitable single cell phenotyping for disease and drug modelling</i>
14.20 – 14.40	Richard Tyser	DPAG	<i>Single cell approaches to investigate initiation of the first heartbeat</i>
14.40 – 15.10	Stephen Clark	Physics	<i>Joint profiling of chromatin accessibility, DNA methylation and transcription in single cells</i>
15.10 – 15.40	Florian Buettner	Helmholtz /Siemens	<i>Latent variable models to disentangle sources of heterogeneity in single cell RNA-seq data</i>
15.40 – 16.10	Break		
	Chair: Tatjana Sauka-Spengler		
16.10 – 17.00	Rahul Satija	NYGC	<i>Integrated analysis of single cell transcriptomic data across conditions, technologies, and species</i>
17.00 – 17.10	Closing Remarks by Doug Higgs		
DRINKS			

