

# HUMAN CELL ATLAS

HCA MEETING

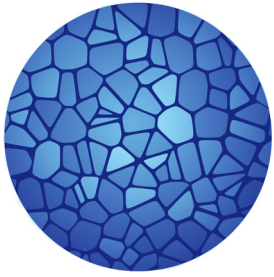
DAVID LOPATIE  
CONFERENCE CENTRE  
WEIZMANN INSTITUTE  
REHOVOT, ISRAEL  
18–19 OCTOBER, 2017

## Day 1: Wednesday, 18 October, 2017

2:30–3:00 pm	Registration / reception	
3:00–3:05 pm	Opening remarks	Ido Amit
3:05–4:35 pm	White Paper presentation	Aviv Regev and Sarah Teichmann
	Discussion moderator: Sten Linnarsson	
4:35–4:55 pm	Break	
4:55–6:15 pm	Session 1: The immune system Session chair: Muzlifah Haniffa	
	Perspective from immunology	Christophe Benoist
	Application of 2D and 3D highly multiplex optical imaging to the identification, characterization, and localization of single cells in complex tissues	Ronald Germain
	Analysing rogue clones in the immune system by single cell genome and transcriptome, connected to serum antibody proteome	Christopher Goodnow
	Genetic studies of human hematopoiesis	Vijay Sankaran
6:30–8:30 pm	Dinner, Wolfson House Garden	

## Day 2: Thursday, 19 October, 2017

8:30–9:00 am	Breakfast / registration	
9:00–10:20 am	Session 2: How to build an atlas Session chair: Alex van Oudenaarden	
	Overview: What should an organ-specific tissue atlas have: lung as an example?	Jay Rajagopal
	Challenges and lessons for tissue acquisition	Kristin Ardlie
	Considerations for tissue-based analyses	Christine Lacobuzio
	Experimental design	Barbara Engelhardt
	Towards an atlas of the human brain	Sten Linnarsson
10:20–10:45 am	Break	
10:45–12:15 pm	Breakout sessions 1	
	Liver	Session leader: Ludovic Vallier Report back: Gary Bader
	Kidney	Session leader: Menna Clatworthy Report back: Anna Greka
	Lung	Session leader: Martijn Nawijn Report back: Herbert Schiller
	Skin	Session leader: Benny Geiger Report back: Muzlifah Haniffa



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12:15–1:15 pm	Breakout summary	
1:15–2:30 pm	Lunch	
1:20–2:20 pm	DCP roundtable discussion	DCP Team
2:30–4:00 pm	Breakout sessions 2	
	Gut	Session leader: Ido Amit Report back: Florent Ginhoux
	Pancreas	Session leader: Roland Eils Report back: Shalev Itzkovitz
	Heart	Session leader: Richard Harvey Report back: Eldad Tzahor
	Nervous system	Session leader: Mario Suvà Report back: Evan Macosko
4:00–5:00 pm	Breakout summary	
5:00–5:15 pm	Break	
5:15–5:45 pm	Meeting summary and closing remarks	
5:45–7:00 pm	Light dinner	

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