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

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
Pancreas
Heart
Nervous system

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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