

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

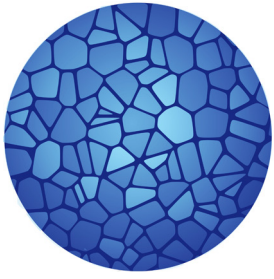
Session leader: Martijn Nawijn

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

Pancreas

Heart

Nervous system

Session leader: Ido Amit

Report back: Florent Ginhoux

Session leader: Roland Eils

Report back: Shalev Itzkovitz

Session leader: Richard Harvey

Report back: Eldad Tzahor

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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