

HUMAN CELL ATLAS

HCA MEETING

BROAD INSTITUTE OF
MIT AND HARVARD
AUDITORIUM
415 MAIN STREET
CAMBRIDGE, MA 02142

NOVEMBER 1–2, 2018

Day 1: Thursday, November 1, 2018

8:00–9:00 am Breakfast

9:00–9:30 am Welcome and State of the HCA

Aviv Regev
Sarah Teichmann

9:30–10:50 am **Session 1: State of the Working Groups**

Analysis Working Group

Dana Pe'er
John Marioni
Peter Kharchenko

Standards and Technology Working Group

Holger Heyn
Xiaowei Zhuang

Ethics Working Group

Bartha Knoppers
Barbara Wold
Roderic Guigo

Lightning updates from the atlases:

Development

Kidney

Gut

Lung

Muzlifah Haniffa
Sam Behjati
Henk Stunnenberg
Jay Rajagopal

10:50–11:15 am Break

11:15–12:30 pm **Session 2: The Brain**

Toward a Brain Cell Atlas

What has been done?

What can be learned?

Data Coordination Platform Demo

Arnold Kreigstein
Sten Linnarsson

Laura Clarke
Brian O'Connor
Genevieve Haliburton
Tim Tickle

12:30–2:30 pm Lunch

2:30–4:30 pm Day 1 Breakout Sessions

Lung (Auditorium, lobby level):

Martijn Nawijn, Naftali Kaminski, Jay Rajagopal, Dana Pe'er

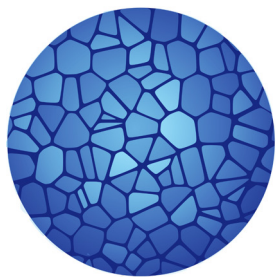
Gut/colon and small intestine (Yellowstone, 2nd floor):

Omer Yilmaz, Ramnik Xavier, Kat Hadjantonakis,
Alexander van Oudenaarden

Immune Cell Atlas (Galapagos, 5th floor):

Nir Hacohen, Alexandra-Chloé Villani, Kerstin Meyer, Fabian Theis

4:30–5:00 pm Break



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NOVEMBER 1–2, 2018

5:00–6:00 pm

Day 1 Breakout Session Summaries

Lung: Martijn Nawijn

Gut/colon and small intestine: Ramnik Xavier,
Alexander van Oudenaarden

Immune Cell Atlas: Alexandra-Chloé Villani

6:00–6:15 pm

Day 1 Meeting Summary

6:30–8:30 pm

Dinner

Day 2: Friday, November 2, 2018

8:30–9:00 am

Breakfast

9:00–11:00 am

Day 2 Breakout Sessions

Heart and vasculature (Auditorium, lobby level):

Rick Mitchell, Raj Gupta, Michela Nosedà, Barbara Engelhardt

Kidney (Yellowstone, 2nd floor):

Matthias Kretzler, Anna Greka, Sam Behjati, Jimmie Ye

Liver (Monadnock, 2nd floor):

Sonya MacParland, Neil Henderson, Muzlifah Haniffa, Gary Bader

11:00–11:30 am

Break

11:30–12:30 pm

Day 2 Breakout Session Summaries

Heart and vasculature: Raj Gupta

Kidney: Anna Greka, Sam Behjati

Liver: Gary Bader

12:30–1:00 pm

Day 2 Meeting Summary

1:00–2:00 pm

Adjourn and grab-and-go lunch

Hosted by the Broad Institute of MIT and Harvard and kindly supported by The Kavli Foundation.

