

# HUMAN CELL ATLAS

HCA MEETING  
STANFORD UNIVERSITY  
PALO ALTO, CA

FEBRUARY 23–24, 2017

## Day 1: Thursday, February 23, 2017

8:00–8:30 [Registration](#)

8:30–9:20

Welcome remarks

Steve Quake

Update from Chan–Zuckerberg Science

Cori Bargmann

General update on the HCA

Aviv Regev, Sarah Teichmann

9:20–9:55

Short Talks Session 1

Format is 5-minute talk + 2-minute questions (5 talks)

Robert Singer, Xiaowei Zhuang, Long Cai, Sten Linnarsson, Ed Lein

9:55–10:25 [Coffee break](#)

10:25–11:35

Short Talks Session 2

Format is 5-minute talk + 2-minute questions (10 talks)

George Church, Ed Boyden, Emily Sylwestrak (Deisseroth lab),

Garry Nolan, Sean Bendall, Emma Lundberg, Viviana Gradinaru,

Sunny Xie, Nicholas Navin, Thierry Voet

11:35–12:00 Discussion

12:00–1:00 [Lunch and poster set-up](#)

1:00–2:10

Short Talks Session 3

Format is 5-minute talk + 2-minute questions (9 talks)

Alex Shalek, Jay Shendure, William Greenleaf, Howard Chang,

Ulf Landegren, Allon Klein, Fiona Watt, Nir Hacohen, Michael Elowitz

2:10–2:40 Discussion

2:40–3:00 [Coffee break](#)

3:00–4:30

Breakout Sessions 1

Large-scale, single-cell RNA-Seq approaches: droplets, microwells, microfluidics, plate-based

Chair/summarizer: Mike Snyder

Speakers: Emmanouil Dermitzakis, Chris Love, Linas Mazutis, Zemin Zhang, Xu Xun, Rahul Satija

*In situ* spatially resolved approaches: FISH-based strategies, *in situ* sequencing, tomography approaches, clearing methods

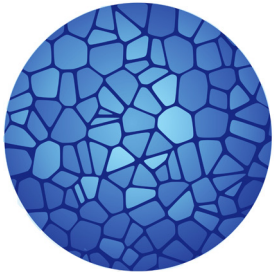
Chair/summarizer: Barbara Wold

Speaker: Mats Nilsson

Compute infrastructure, quality control / data standardization and modeling of data

Chair/summarizer: Jeremy Freeman

Speakers: Anthony Philippakis, Peter Kharchenko, Peter Campbell, Rolf Apweiler



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4:30–5:30 Presentation from break-out sessions  
5:30–6:30 Executive session/white papers; poster session  
6:30 [Dinner](#)

## Day 2: Friday, February 24, 2017

8:00–9:30 Breakout Sessions 2  
Temporally resolved approaches / lineage tracing  
Chair / summarizer: Jonathan Weissman  
  
Multi-omics, epigenetics and protein measurement  
Chair / summarizer: Mike Stubbington  
Speakers: Fuchou Tang, Savas Tay, Bill Burkholder, Jason Buenrostro, Iain Macaulay, Chuan He  
  
Tissue sourcing and biological context  
Chair / summarizer: Arnold Kriegstein  
Speakers: Seung Kim, Mike Longaker, Michelle Monje, Sean Wu, Trevor Pugh, Nikolaus Rajewsky  
  
[9:30–9:50](#) [Coffee break](#)  
  
9:50–10:50 Presentation from break-out sessions / white papers  
10:50–11:20 White paper update (Nir Hacohen, Peter Campbell)  
11:20–11:30 Next meeting: Sweden computation (Sten Linnarsson)  
11:30–11:35 Closing remarks (Steve Quake)  
11:35–12:30 Executive session  
Opportunity for funders to meet