

HUMAN CELL ATLAS

HCA MEETING
BARCELONA, SPAIN

10–11 OCTOBER, 2019

Day 1: Thursday, 10 October, 2019

12:00–13:00 [Registration and lunch](#)

13:00–13:10 **Welcome** (Auditorium)

13:10–13:40 **State of HCA**

13:40–14:55 **Building the HCA Roadmap**

Sample selection

Cell type annotation

Practical example: the gut

From theory to practice

14:55–15:25 [Break](#)

15:25–17:25 **Breakout 1: Organs**

Breakout #1: Gut (Agora)

Breakout #2: Immune (Auditorium)

Breakout #3: Lung (Tau)

Breakout #4: Development (Alpha)

Breakout #5: Kidney (Beta)

Breakout #6: Heart (Gamma)

17:25–17:55 [Group photo and break](#)

17:55–18:55 **Breakout 1 report back** (Auditorium)

18:55–19:25 **Keynote – Another ATLAS: exploring the energy frontier at CERN**

20:00–21:30 [Dinner \(Asador de Aranda, Avda. Tibidabo, 31\)](#)

Holger Heyn, Joan Pallarés

Aviv Regev, Sarah Teichmann

Chair: Roland Eils

Monique van der Wijst

Peter Kharchenko, Ed Lein

Orit Rozenblatt-Rosen

Dana Pe'er

Garabet Yeretssian,
Paul Klenerman

Alexandra-Chloe Villani,
Effi Kenigsberg, Holger Heyn
Martijn Nawijn, Fabian Theis,
Herbert Schiller

Alain Chedotal,
Paolo Giacobini

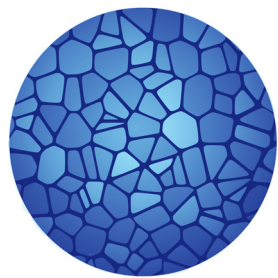
Anna Greka,
Menna Clatworthy

Michela Nosedà

Chair: Kerstin Meyer

Keynote: Jon Butterworth

Chair: Ivo Gut



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Day 2: Friday, 11 October, 2019

8:30 Breakfast

9:00–9:30 **Demos** (Auditorium)

Interactive demo and training: HCA portals

1. Single Cell Expression Atlas (EMBL–EBI)

2. Single Cell Portal (Broad)

3. Xena / Cell Browser visualisation
portals (UCSC)

Chair: Ed Lein

Irene Paptheodorou

Vicky Horst

Maximillian Haeussler,
Jing Zhu

9:30–10:30 **HCA Challenges and Solutions** (Auditorium)

Data privacy

Genetic diversity

Equity

Ethics toolkit

Chair: Ed Lein

Sarion Bowers

Shyam Prabhakar

Musa Mhlanga

Bartha Knoppers

10:30–11:00 Break

11:00–12:00 **Emerging HCA Topics** (Auditorium)

Spatial proteomics

Spatial transcriptomics

DCP data talks

Chair: Orit Rozenblatt-Rosen

Bernd Bodenmiller

Mats Nilsson

Benjamin Stewart

Rui Chen

12:00–13:30 Lunch

13:30–15:00 **Breakout 2: Spatial Technologies**

Breakout #1: Spatial transcriptomics
(Auditorium)

Breakout #2: Spatial proteomics
(Alpha)

Breakout #3: Spatial imaging, processing
and data integration (Agora)

Jeffrey Moffitt,
Sanja Vickovic

Mike Angelo,
Bernd Bodenmiller

Guo-Cheng Yuan,
Leeat Keren

15:00–15:30 Break

15:30–16:30 **Breakout 2 report back** (Auditorium)

Chair: Holger Heyn

16:30–17:00 **“Ask Me Anything” panel**

Chair: Jay Shin

Kristin Ardlie, Dana Pe’er,

Aviv Regev, Musa Mhlanga,

Sarah Teichmann, Fabian Theis

17:00–17:10 **Closing remarks**

Aviv Regev, Sarah Teichmann

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