



2024 Human Cell Atlas General Meeting

Sun Sep 29

8:00 AM - 9:00 AM GMT +2 / 2:00 AM - 3:00 AM Your local time (1 Hour)

Registration

8:40 AM - 1:15 PM GMT +2 / 2:40 AM - 7:15 AM Your local time (4 Hours, 35 Min)

Day 1, Part 1: 2024 Human Cell Atlas General Meeting

[WATCH RECORDING](#)

9:00 AM - 9:10 AM GMT +2 / 3:00 AM - 3:10 AM Your local time (10 Min)

Welcoming Remarks

 Main Hall - UNAHotels



Piero Carninci
Principal Investigator
Human Technopole
Speaker

9:10 AM - 9:55 AM GMT +2 / 3:10 AM - 3:55 AM Your local time (45 Min)

State of HCA

 Main Hall - UNAHotels



Piero Carninci
Principal Investigator
Human Technopole
Moderator



Aviv Regev
Principal Investigator
Genentech
Speaker



Sarah Teichmann
Principal Investigator
Cambridge Stem Cell Institute
Speaker

9:55 AM - 10:40 AM GMT +2 / 3:55 AM - 4:40 AM Your local time (45 Min)

Session 1: The State of HCA Atlases Part 1

1. **Alexandra-Chloé Villani** - Updates on Atlas assembly
2. Q&A



John Randell
Chief Alliance Officer
Human Cell Atlas
Moderator



Alexandra-Chloé Villani
Principal Investigator
Broad Institute, Massachusetts G...
Speaker

Sponsored By: Helmsley Charitable Trust



10:40 AM - 11:10 AM GMT +2 / 4:40 AM - 5:10 AM Your local time (30 Min)

Coffee Break

Meet-the-editor

(Michael Fletcher | Nature Genetics)

11:10 AM - 12:00 PM GMT +2 / 5:10 AM - 6:00 AM Your local time (50 Min)

Session 1: The State of HCA Atlases Part 2

1. **Alexandra-Chloé Villani** - CAP Introduction
2. **Jose Ordovas-Montanes** - Gut: Cell Type Annotation
3. **Nelson Johansen** - BICAN: Cell Type Annotation
4. Community Discussion



John Randell
Chief Alliance Officer
Human Cell Atlas
Moderator



Nelson Johansen
Scientist
Allen Institute
Speaker



Alexandra-Chloé Villani
Principal Investigator
Broad Institute, Massachusetts G...
Speaker



Jose Ordovas-Montanes
Principal Investigator
Boston Children's Hospital
Speaker

Sponsored By:



12:00 PM - 1:10 PM GMT +2 / 6:00 AM - 7:10 AM Your local time (1 Hour, 10 Min)

Session 2: Biological Network Updates

📍 Main Hall - UNAHotels

1. **Muzlifah Haniffa:** Framing Talk and Session Moderator
2. **Martijn Nawijn:** Involving the Community in Atlas building – the Lung Bionetwork experience
3. **Malte Luecken:** Tailoring the HCA integration team approach
4. **Panel Discussion:** Bionetwork engagement: Lessons Learned and Mobilizing your Research Community and Consortia
 - *Panelists: Rui Chen, Matthias Kretzler, Martijn Nawijn, and Alexandra-Chloé Villani*
5. **Piero Carninci:** Day 1 Morning recap



Muzlifah Haniffa
Principal Investigator
Wellcome Sanger Institute
Moderator



Rui Chen
Principal Investigator
University of California Irvine
Panelist



Martijn Nawijn
Principal Investigator
University Medical Center Gronin...
Speaker



Matthias Kretzler
Professor
University of Michigan
Panelist



Malte Luecken
Principal Investigator
Helmholtz Center Munich
Speaker



Piero Carninci
Principal Investigator
Human Technopole
Speaker

1:10 PM - 1:50 PM GMT +2 / 7:10 AM - 7:50 AM Your local time (40 Min)

Lunch

1:30 PM - 7:00 PM GMT +2 / 7:30 AM - 1:00 PM Your local time (5 Hours, 30 Min)

Day 1, Part 2: 2024 Human Cell Atlas General Meeting

WATCH RECORDING

1:50 PM - 2:50 PM GMT +2 / 7:50 AM - 8:50 AM Your local time (1 Hour)

Technology Showcase Day 1

📍 Main Hall - UNAHotels

- 1. Michael Schnall-Levin (10x Genomics):** Expanding the Boundaries of Single Cell and Spatial Genomics
- 2. Daniel Garalde (Oxford Nanopore Technologies):** New dimensions of biology revealed by full-length sequencing
- 3. Dalia Daujotyte (Illumina):** Empowering Biological Insights and Discovery with Single-Cell Solutions from Illumina
- 4. Spence Fast (Element Biosciences):** Integrated Multiomic and Genomic Profiling for Precision Biology on the AVITI24 platform
- 5. George Emanuel (Vizgen):** Deep Dive into Spatial Biology with MERFISH Technology and the MERSCOPE Ultra™ Platform



Yoni Bock
Strategic & Scientific Advisor
Science Impact Consulting
Moderator



Dalia Daujotyte
Senior Director, Multiomic Assay...
Illumina
Speaker



Michael Schnall-Levin
Chief Technology Officer
10x Genomics
Speaker



Spence Fast
Senior Applications Technical Sal...
Element Bio
Speaker



Daniel Garalde
Director of Technology Markets
Oxford Nanopore
Speaker



George Emanuel
Scientific Co-Founder; Senior Dir...
Vizgen
Speaker

2:50 PM - 3:10 PM GMT +2 / 8:50 AM - 9:10 AM Your local time (20 Min)

Break

3:09 PM - 4:10 PM GMT +2 / 9:09 AM - 10:10 AM Your local time (1 Hour, 1 Min)

Session 3: Defining a Spatial Biology Roadmap for HCA

1. **Holger Heyn:** Framing Talk
2. **Oliver Stegle:** Assembling and analysing multi-modal spatial atlases
3. **Kevin Byrd:** Deciphering Tissue Circuits and Cellular Interactomes in Spatially-anchored, 3D Landscapes
4. **Grace Hui Ting Yeo:** Beyond Single Cell: Spatial Characterization of the Colorectal Cancer Tumor Microenvironment



Holger Heyn
Principal Investigator
Consortio CNAG
Moderator



Oliver Stegle
Principal Investigator
DKFZ (German Cancer Research ...
Speaker



Kevin Matthew Byrd
Principal Investigator
University of North Carolina
Speaker



Grace Hui Ting Yeo
Principal Investigator
Genome Institute of Singapore
Speaker

Sponsored By: 10x Genomics



4:10 PM - 5:40 PM GMT +2

10:10 AM - 11:40 AM Your local time

(1 Hour, 30 Min)

Breakout 1: Optimizing and comparing technology platforms

📍 Breakout Room 1 (6th Floor) - UNAHotels

WATCH RECORDING

Breakout 1: Optimizing and comparing technology platforms

[Read More](#)



Holger Heyn
Principal Investigator
Consortio CNAG
Moderator



Sanja Vickovic
Core Faculty Member and Director
NYGC
Moderator

4:10 PM - 5:40 PM GMT +2

10:10 AM - 11:40 AM Your local time

(1 Hour, 30 Min)

Breakout 2: Analysis (algorithm and computational pipeline development)

📍 Breakout Room 2 (6th Floor) - UNAHotels

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Breakout 2: Analysis (algorithm and computational pipeline development)

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Shyam Prabhakar
Senior Group Leader
A*STAR Genome Institute of Sing...
Moderator



Oliver Stegle
Principal Investigator
DKFZ (German Cancer Research ...
Moderator

4:10 PM - 5:40 PM GMT +2

10:10 AM - 11:40 AM Your local time

(1 Hour, 30 Min)

Breakout 3: Atlasing – health & disease

📍 Main Hall - UNAHotels

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Breakout 3: Atlasing – health & disease

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Kevin Matthew Byrd
Principal Investigator
University of North Carolina
Moderator



Alexandra-Chloé Villani
Principal Investigator
Broad Institute, Massachusetts G...
Moderator

5:49 PM - 6:34 PM GMT +2 / 11:49 AM - 12:34 PM Your local time (45 Min)

Keynote #1

📍 Main Hall - UNAHotels

Nicole Soranzo: Insights from profiling immune cells in human population cohorts



Piero Carninci
Principal Investigator
Human Technopole
Moderator



Nicole Soranzo
Principal Investigator
Human Technopole
Keynote

6:34 PM - 6:39 PM GMT +2 / 12:34 PM - 12:39 PM Your local time (5 Min)

Day 1 Closing Remarks

📍 Main Hall - UNAHotels



Piero Carninci
Principal Investigator
Human Technopole
Speaker

6:39 PM - 8:39 PM GMT +2 / 12:39 PM - 2:39 PM Your local time (2 Hours)

Reception with Exhibitor and Poster Viewing

Mon **Sep 30**

7:59 AM - 1:00 PM GMT +2 / 1:59 AM - 7:00 AM Your local time (5 Hours, 1 Min)

Day 2, Part 1: 2024 Human Cell Atlas General Meeting

📍 UNAHOTELS Expo Fiera Milano

WATCH RECORDING

9:00 AM - 9:05 AM GMT +2 / 3:00 AM - 3:05 AM Your local time (5 Min)

Welcome Day 2



Piero Carninci
Principal Investigator
Human Technopole
Speaker

9:05 AM - 9:50 AM GMT +2 / 3:05 AM - 3:50 AM Your local time (45 Min)

Keynote #2

📍 Main Hall - UNAHotels



Muzlifah Haniffa
Principal Investigator
Wellcome Sanger Institute
Moderator



Yasmine Belkaid
President of Institut Pasteur
Institut Pasteur
Keynote

9:50 AM - 10:30 AM GMT +2 / 3:50 AM - 4:30 AM Your local time (40 Min)

Presentation of Diversity Task Force Recommendations

📍 Main Hall - UNAHotels

Diversity Task Force Recommendations (25 minutes)

Q&A and Audience Feedback (15 minutes)



Musa Mhlanga
Principal Investigator
Radboud Institute for Molecular ...
Moderator



Shyam Prabhakar
Senior Group Leader
A*STAR Genome Institute of Sing...
Speaker



Kian Hong Kock
Scientist
Genome Institute of Singapore (G...
Speaker



Sophia George
Principal Investigator
University of Miami, Sylvester Co...
Speaker

10:30 AM - 11:00 AM GMT +2 / 4:30 AM - 5:00 AM Your local time (30 Min)

Coffee Break

Meet-the-editor

(Michael Fletcher | Nature Genetics)

11:00 AM - 12:15 PM GMT +2 / 5:00 AM - 6:15 AM Your local time (1 Hour, 15 Min)

Session 4: Roadmap for Advancing Equity and Diversity in the HCA

📍 Main Hall - UNAHotels

Regional Talk Moderator: Partha Majumder

1. **Senjuti Saha:** From Cells to Community: Advancing Public Health with Single-Cell Genomics
2. **Mariana Boroni** and **Patricia Severino:** Integrating Latin America to the Human Cell Atlas: Capacity Building and Community Engagement
3. **Kondwani Jambo:** Establishing single-cell genomics in Malawi: Applications, challenges and opportunities
4. **Naomi Habib** and **Laleh Haghverdi:** Human Cell Atlas Middle East Initiative
5. Panel + Feedback Session
Moderator: Shyam Prabhakar

- *Panelists:* Yasmine Belkaid, Sophia George, Naomi Habib, Laleh Haghverdi, Kondwani Jambo, Senjuti Saha, Patricia Severino



Prof. Partha Majumder
Distinguished Professor
John C. Martin Center for Liver Re...
Moderator



Senjuti Saha
Deputy Executive Director
Child Health Research Foundation
Speaker



Mariana Boroni
Principal Investigator
INCA - Brazilian National Cancer I...
Speaker



Patricia Severino
Principal Investigator
Hospital Israelita Albert Einstein
Speaker



Kondwani Jambo
Principal Investigator
Malawi Liverpool Wellcome Rese...
Speaker



Naomi Habib
Principal Investigator
Hebrew University of Jerusalem
Speaker



Laleh Haghverdi
Principal Investigator
Berlin Institute for Molecular Sys...
Speaker



Shyam Prabhakar
Senior Group Leader
A*STAR Genome Institute of Sing...
Moderator



Sophia George
Principal Investigator
University of Miami, Sylvester Co...
Panelist



Yasmine Belkaid
President of Institut Pasteur
Institut Pasteur
Panelist

12:15 PM - 12:55 PM GMT +2 / 6:15 AM - 6:55 AM Your local time (40 Min)

Lunch

12:45 PM - 6:00 PM GMT +2 / 6:45 AM - 12:00 PM Your local time (5 Hours, 15 Min)

Day 2, Part 2: 2024 Human Cell Atlas General Meeting

WATCH RECORDING

12:55 PM - 1:55 PM GMT +2 / 6:55 AM - 7:55 AM Your local time (1 Hour)

Technology Showcase Day 2

📍 Main Hall - UNAHotels

- 1. Matthieu Pesant (*Takara Bio*):** Enabling biomarker discovery at scale with a new single-cell genomics system
- 2. Charlie Roco (*Parse Biosciences*):** Advances in Split Pool Barcoding
- 3. Ariel Jaimovich (*Ultima Genomics*):** Driving large-scale single cell studies with transformative sequencing economics
- 4. Giovanna Prout (*Scale Biosciences*):** A Quantum Leap in Single Cell Omics
- 5. Fireside Chat with David Ruau, Aviv Regev, and Sarah Teichmann**



Yoni Bock
Strategic & Scientific Advisor
Science Impact Consulting
Moderator



Ariel Jaimovich
VP, Applications
Ultima Genomics
Speaker



Aviv Regev
Principal Investigator
Genentech
Speaker



Matthieu Pesant
Senior Market Strategy Manager,
Takara Bio Europe
Speaker



Giovanna Prout
CEO & President
Scale Biosciences
Speaker



Sarah Teichmann
Principal Investigator
Cambridge Stem Cell Institute
Speaker



Charlie Roco
Co-Founder & CTO
Parse Biosciences
Speaker



David Ruau
NVIDIA
Speaker

1:55 PM - 2:05 PM GMT +2 / 7:55 AM - 8:05 AM Your local time (10 Min)

Break

2:05 PM - 2:50 PM GMT +2 / 8:05 AM - 8:50 AM Your local time (45 Min)

Session 5: Computational Analysis

- 1. Shila Ghazanfar:** Statistical approaches to learn from single cell spatial omics data
- 2. Mo Lotfollahi:** Generative machine learning to model cellular perturbations
- 3. Julio Saez-Rodriguez:** Knowledge-based computational approaches to dissect multi-cellular programs from single-cell atlases



Gary Bader
Principal Investigator
University of Toronto
Moderator



Julio Saez-Rodriguez
EMBL-EBI
Speaker



Shila Ghazanfar
Lecturer
The University of Sydney
Speaker



Mo Lotfollahi
Principal Investigator
Sanger Institute
Speaker

3:00 PM - 4:30 PM GMT +2

9:00 AM - 10:30 AM Your local time

(1 Hour, 30 Min)

Breakout 1: How can we strengthen the computational biology communit...

📍 Main Hall - UNAHotels

Breakout 1: How can we strengthen the computational biology community within the HCA?

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Gary Bader
Principal Investigator
University of Toronto
Moderator



Julio Saez-Rodriguez
EMBL-EBI
Moderator

3:00 PM - 4:30 PM GMT +2

9:00 AM - 10:30 AM Your local time

(1 Hour, 30 Min)

Breakout 2: What are the major computational challenges for the HCA?

📍 Breakout Room 1 (6th Floor) - UNAHotels

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Breakout Session 2: What are the major computational challenges for the HCA?

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Shila Ghazanfar
Lecturer
The University of Sydney
Moderator



Vinicius Maracaja-Couros
Principal Investigator
University of Chile
Moderator

3:00 PM - 4:30 PM GMT +2

9:00 AM - 10:30 AM Your local time

(1 Hour, 30 Min)

Breakout 3: How can we enable users to query, analyze and access HCA da...

📍 Breakout Room 2 (6th Floor) - UNAHotels

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Breakout 3: How can we enable users to query, analyze and access HCA data?

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Mariana Boroni
Principal Investigator
INCA - Brazilian National Cancer I...
Moderator



Muzlifah Haniffa
Principal Investigator
Wellcome Sanger Institute
Moderator

4:45 PM - 5:15 PM GMT +2 / 10:45 AM - 11:15 AM Your local time (30 Min)

Session 6: Looking to the Future

📍 Main Hall - UNAHotels

Panel Discussion with Q&A



Jay Shin
Senior Group Leader
A*STAR, Genome Institute of Sin...
Moderator



Kevin Matthew Byrd
Principal Investigator
University of North Carolina
Panelist



Sophia George
Principal Investigator
University of Miami, Sylvester Co...
Panelist



Laleh Haghverdi
Principal Investigator
Berlin Institute for Molecular Sys...
Panelist



Kian Hong Kock
Scientist
Genome Institute of Singapore (G...
Panelist

5:15 PM - 5:25 PM GMT +2 / 11:15 AM - 11:25 AM Your local time (10 Min)

Action Items and Next Steps

📍 Main Hall - UNAHotels



Gary Bader
Principal Investigator
University of Toronto
Speaker



Holger Heyn
Principal Investigator
Consortio CNAG
Speaker



Shyam Prabhakar
Senior Group Leader
A*STAR Genome Institute of Sing...
Speaker



Alexandra-Chloé Villani
Principal Investigator
Broad Institute, Massachusetts G...
Speaker

5:25 PM - 5:30 PM GMT +2 / 11:25 AM - 11:30 AM Your local time (5 Min)

Closing Remarks

📍 Main Hall - UNAHotels



Piero Carninci
Principal Investigator
Human Technopole
Speaker



Sarah Teichmann
Principal Investigator
Cambridge Stem Cell Institute
Speaker



Aviv Regev
Principal Investigator
Genentech
Speaker



Shyam Prabhakar
Senior Group Leader
A*STAR Genome Institute of Sing...
Speaker



Jay Shin
Senior Group Leader
A*STAR, Genome Institute of Sin...
Speaker

Tue Oct 01

8:00 AM - 8:30 AM GMT +2 / 2:00 AM - 2:30 AM Your local time (30 Min)

Shuttle to Human Technopole

A shuttle service from UNAHOTELS Expo Fiera Milano to Human Technopole will be available on 1 October for the HCA 'Cells in Context' Symposium and the HCA Middle East Meeting. Two shuttle buses will be provided for the convenience of our registered attendees. Please note that the shuttles will depart from UNAHOTELS Expo Fiera Milano without any additional stops or pick-ups along the route. One shuttle bus will leave promptly at 8 AM local time. The second shuttle bus will leave promptly at 8:15 AM local time.

9:00 AM - 12:00 PM GMT +2

3:00 AM - 6:00 AM Your local time

(3 Hours)

HCA 'Cells in Context' Symposium Sessions Part I

📍 Main Hall - Human Technopole

Session 1: Single-cell analysis of environmental exposures (9:00 - 10:30 AM)

Session Moderator: Christoph Bock

Christoph Bock, Piero Carninci, and Giuseppe Testa: Cells in Context Introduction and Overview

Giuseppe Testa: (*Representative paper*) Hormonal signaling and endocrine disruption in human neurodevelopment: an atlas of environmental exposures in brain organoids

Peng Gao: (*Representative Paper*) Integrating Exposomics and Multi-Omics: From Bulk to Single-Cell

José Ordovas-Montanes: (*Representative Paper*) Memory of exposures at human barrier tissues with diverse environments

Break (10:30 - 11:00 AM)

Session 2: Updates from the Human Cell Atlas Organoid Biological Network (11:00 - 12:00 PM)

Session Moderator: Giuseppe Testa

Leander Dony and Barbara Treutlein: (*Representative paper*) Brain organoid atlas (and morphogens in brain development)

Gray Camp: (*Representative paper*) Gut organoid atlas (and beyond)

Christoph Bock: (*Representative paper*) An atlas of genetic variation in colon organoids
[Read More](#)



Christoph Bock
Principal Investigator
CeMM & Medical University of Vienna
Speaker



Peng Gao
Assistant Professor
University of Pittsburgh
Speaker



Gray Camp
Principal Investigator
Institute of Human Biology Basel
Speaker



Piero Carninci
Principal Investigator
Human Technopole
Speaker



Jose Ordovas-Montanes
Principal Investigator
Boston Children's Hospital
Speaker



Barbara Treutlein
Principal Investigator
ETH Zurich



Giuseppe Testa
Principal Investigator
Fondazione Human Technopole
Speaker



Leander Dony
Postdoctoral Associate
Helmholtz Zentrum Munchen
Speaker

9:00 AM - 10:40 PM GMT +2
3:00 AM - 4:40 PM Your local time
(13 Hours, 40 Min)

HCA Middle East Meeting - Talks

📍 Breakout 1 - Human Technopole 019

Highlights on Single Cell Research in the Middle East (9:00 - 10:40 AM) Session Moderator: Ahmed Sadik

Naomi Habib: Welcome and Framing Talk

Mo Li: High-Throughput Generation of Human Blastoids from Single Cells in Bioreactors and Mechanisms of Human Blastocyst Cavitation

Colin Cess: Compound-SNE: soft alignment of single-cell embeddings

Shaista Medad: The characterisation of blood and immune cells across diverse bone marrow sites during human prenatal development

Mo Lotfollahi: Generative machine learning to model cellular perturbations

Soulafa Mamlouk: Following cancer evolution and plasticity after treatment and relapse

Tala Shahin: The Impact of Ethnicity on the Single-cell Immune Response to Falciparum Malaria
[Read More](#)



Mo Li
Associate Professor
King Abdullah University of Scien...
Speaker



Mo Lotfollahi
Principal Investigator
Sanger Institute
Speaker



Naomi Habib
Principal Investigator
Hebrew University of Jerusalem
Moderator



Ahmed Sadik
Bioinformatics Scientist
German Cancer Research Center
Moderator



Colin Cess
Postdoc
Max Delbrück Center
Speaker



Soulafa Mamlouk
Principal Investigator
Charité University Hospital
Speaker



Laleh Haghverdi
Principal Investigator
Berlin Institute for Molecular Sys...
Moderator



Ms. Shaista Madad
PhD student
Wellcome Sanger Institute, Unive...
Speaker



Tala Shahin
Postdoctoral Associate
New York University Abu Dhabi
Speaker



Erin Rist
Science Advisor
Klarman Family Foundation
Moderator

11:10 AM - 12:30 PM GMT +2

5:10 AM - 6:30 AM Your local time

(1 Hour, 20 Min)

HCA Middle East Meeting - Discussion Group 1

📍 Breakout 1 - Human Technopole 019

Discussion Group 1: Capitalizing national efforts to build stronger HCA Middle East initiatives

Moderators: Ahmed Sadik and Erin Rist

[Read More](#)



Erin Rist

Science Advisor
Klarman Family Foundation
Moderator



Ahmed Sadik

Bioinformatics Scientist
German Cancer Research Center
Moderator

11:10 AM - 12:30 PM GMT +2

5:10 AM - 6:30 AM Your local time

(1 Hour, 20 Min)

HCA Middle East Meeting - Discussion Group 2

📍 Breakout 1 - Human Technopole 019

Discussion Group 2: Local Challenges and opportunities for capacity strengthening in the HCA Middle East network

Moderators: Naomi Habib and Laleh Haghverdi

Breakout Room 018

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Laleh Haghverdi

Principal Investigator
Berlin Institute for Molecular Sys...
Moderator



Naomi Habib

Principal Investigator
Hebrew University of Jerusalem
Moderator

12:00 PM - 1:30 PM GMT +2 / 6:00 AM - 7:30 AM Your local time (1 Hour, 30 Min)

Lunch

📍 Canteen - Human Technopole

1:00 PM - 5:00 PM GMT +2 / 7:00 AM - 11:00 AM Your local time (4 Hours)

HCA 'Cells in Context' Symposium Part II

📍 Main Hall - Human Technopole

Session 3: Modeling the interface to the environment with organoids and cell-based systems (1:00 - 2:15 PM)

Session Moderator: Christoph Bock

Sarah Teichmann: (*Representative Paper*) Toward engineering an artificial thymus for immune cell modulation

Francesco Pasqualini: (*Representative Grant*) Engineering human cardiac tissue models to study ECM interactions

Roser Vento-Tormo: (*Representative Paper*) The placenta as an organ that controls body-environment interactions

Session 4: Selected Flash Talks (2:15 - 3:15 PM)

Session Moderator: Christoph Bock

Tamas Korcsmaros: Exploring gut organoids in health and disease with a microbial co-culture system that enables multi-omics mapping and personalized studies

Ivano Legnini: Spatial gene perturbations to study neural tube patterning in organoids

Ankit Agrawal: NiCo: Unraveling Cellular Interactions in Tissue Niches Through Spatial Transcriptomics Data

Leonie Küchenhoff: A cross-organ comparison of fibrotic diseases

Meng Liu: Modeling polycystic kidney disease using human PSCs-derived kidney organoid

Nicolo Caporale: Multiplexing cortical brain organoids for the longitudinal dissection of developmental traits at single cell resolution

Seyoon Lee: Build Local Collaborations for Global Impact – SCAID

Michela Nosedà: An organotypic atlas of human vascular cells

Break (3:15 - 3:45 PM)

Session 5: Open discussion of challenges and research priorities at the interface of single cell atlases, organoid technology, and environmental exposures (3:45 - 4:45 PM)

Session Moderator: Giuseppe Testa

Closing Remarks (4:45 - 5:00 PM)

**Piero Carninci**

Principal Investigator
Human Technopole
Speaker

**Roser Vento Tormo**

Group Leader
Wellcome Sanger Institute Speaker

**Tamas Korcsmaros**

Group Leader
Imperial College
Speaker

**Leonie Küchenhoff**

PhD Candidate
Heidelberg University Hospital

**Sarah Teichmann**

Principal Investigator Cambridge Stem Cell
Institute Speaker

**Christoph Bock**

Principal Investigator
CeMM & Medical University of Vienna Speaker

**Ivano Legnini**

Research Group Leader
Human Technopole
Speaker

**Meng Liu**

Postdoctoral Associate
NTU Singapore

**Francesco Pasqualini**

Associate Professor University of Pavia
Speaker

**Giuseppe Testa**

Principal Investigator Fondazione Human
Technopole Speaker

**Ankit Agrawal**

Postdoctoral Associate University of
Wuerzburg Speaker

**Nicolò Caporale**

Postdoctoral Associate Human
Technopole



Speaker

Seyoon Lee

PhD Candidate
Seoul National University
Speaker



Speaker

Michela Nosedà

Principal Investigator
Imperial College
Speaker



Speaker

4:45 PM - 5:00 PM GMT +2 / 10:45 AM - 11:00 AM Your local time (15 Min)

Shuttle to UNAHOTELS Expo Fiera Milano

📍 Human Technopole

A return shuttle service from Human Technopole to UNAHOTELS Expo Fiera Milano will be available on 1 October. Two shuttle buses will be provided for the convenience of our registered attendees. Please note that the shuttles will depart from Human Technopole without any additional stops or drop-offs along the route. One shuttle bus will leave promptly at 5:05 PM local time, the second shuttle bus will depart at 5:20 PM local time.