

NIH-HCA Joint Meeting

Pre-Meeting Webinars

Welcome!

Please ask questions in chat...

Goal...

Build a stronger international ecosystem for single cell analysis work by bringing together key researchers in experimental techniques, data management, and analysis to build synergy through agreeing on sharing, standards, pilot projects and cross consortia resources.

One of Many Steps...

- Many cross-consortia meetings are already happening
- This meeting is focused on bringing NIH supported programs together with HCA community to:
 - Discuss common issues & challenges in key areas
 - Coordinate and collaborate on ways forward
- Agenda designed to maximize time for discussion, sharing of plans, and for building links between groups

In-Person Meeting is at Capacity...

- We will live-stream all the plenary sessions
- We will post recordings and materials from the meeting following the event
- There is a waiting list - if you have registered but can't attend please let us know
(nihhca2020@hubmapconsortium.org)

Pre-Meeting Webinars

Getting to know everyone in advance...

Goals...

- Share goals, organization, and status of some of the different consortia attending the meeting
- Highlight areas of focus, data types, opportunities, and challenges faced by the group
- Describe progress / cool science so far
- Identify 3-5 areas of on-going / potential collaboration with other groups

Pre-Meeting Webinars

1/22/2020	11 - 12:30pm ET	Meeting Overview
		Human Cell Atlas
		CZI Seed Network
2/5/2020	11 - 12:30pm ET	Human Tumor Atlas Network
		BRAIN - BRAIN Initiative Cell Census Network
		Human BioMolecular Atlas Program (HuBMAP)
		LungMAP (unconfirmed)
2/19/2020	11 - 12:30pm ET	Swedish Consortium
		Accelerating Medicine Program (AMP)
		Stimulating Peripheral Activity to Relieve Conditions (SPARC)
		LifeTime

Pre-Meeting Webinars

3/4/2020	11 - 12:30pm ET	Kidney Precision Medicine Program (KPMP) / GUDMAP
		Gut Cell Atlas (unconfirmed)
		FANTOM
		French Consortium
3/18/2020	11 - 1:00pm ET	Human Protein Atlas
		Wellcome Trust Consortium
		MRC Consortium (unconfirmed)
		Medicine by Design
		EU H2020

March Meeting

Agenda, Breakouts, Activities, Logistics...

Meeting Organization...

- 20 Breakout topics based on feedback from consortia and attendees focused on techniques and standards. Interactive Talks and Discussion divided in 2 Parts (each 1 hour):
 - Part 1: Frame topic, Identify common challenges
 - Part 2: Discuss areas for collaboration, Prototype short-mid term next steps, participants and solutions
- Organ and tissue specific conversations over lunch
- Plenary sessions for report-back, feedback and suggestions
- Poster sessions, reception, and breaks for networking

Meeting Agenda

Day 1 - 3/30 (8:30 - 7:00 pm)

- Introductions & Framing
- Breakout Session #1
- Lunch (informal organ-focused discussions)
- Breakout #1 Report Back
- Breakout Session #2
- Reception & Poster Session

Day 2 - 3/31 (8:30 - 5:30 pm)

- Breakout #2 Report Back
- Breakout Session #3
- Lunch (informal organ-focused discussions)
- Breakout #3 Report Back
- Breakout Session #4

Meeting Agenda

Day 3 - 4/1 (8:30 - 12:15 pm)

- Breakout #4 Report Back
- Panel Discussion
- Breakout Session #5
- Next Steps

Breakout Sessions

Breakout Session #1 (3/30 Morning)	Clinical Metadata	Data Architecture and Integration	Temporal Analysis	Multiplex Molecular Profiling Tools	Spatial Profiling Tools
Breakout Session #2 (3/30 Afternoon)	Tissue Collection & Processing	Metadata - Schemas & Ontologies	Common Coordinate Frameworks	Multiplex Molecular Profiling Analysis	Spatial Profiling Analysis
Breakout Session #3 (3/31 Morning)	Pilots - tissue collection & analysis	Data QA/QC	Atlas Integration	Antibody Resources & Standardization	Data Modelling & Integration
Breakout Session #4 (3/31 Afternoon)	ELSI Considerations	FAIRness	Outreach	Cell Type Annotation	Data Visualization & Querying

Activities

- **Poster Session** - if you would like to present a poster, please contact us (nihhca2020@hubmapconsortium.org) by February 28
- **Lunch Discussions** - if you are interested in organizing an organ / tissue focused lunch discussion, please contact us
- **Breakout Session #5** - breakout session #5 on the third morning has been set aside for newly formed groups to get together and plan next steps; if any groups need additional time during the meeting to meet please contact us

Logistics

- **Hotel** - [Hyatt Regency Bethesda](https://www.hyatt.com/en-US/group-booking/BETHE/G-PITT) is metro accessible and from Dulles, National, and BWI airports; there is a room block available; cut off is March 9, reference the group G-Pitt or book directly through:
<https://www.hyatt.com/en-US/group-booking/BETHE/G-PITT>
- **Travel & Accommodations** - we are unable to support travel or accommodation costs for this meeting
- **Refreshments & Lunch** - we are seeking sponsorship so that refreshments and lunch are provided during the meeting; other meals will be on your own

Thank you!

All of these materials will be posted on the website...

www.hubmapconsortium.org/nihhca2020

Organizing Committee

- Shannon Hughes (NCI)
- Yong Yao (NIMH)
- Dena Procaccini (OD)
- Richard Conroy (OD)
- Ed Lein (Allen)
- Aviv Regev (Broad)
- Sarah Teichmann (Sanger)
- Kristine Schwenck (Broad)
- Robin Scibek (PSC)
- Donnalyn Roxey / Tim Dunne