2019 HuBMAP Meeting

Michael Snyder, Stanford
Richard Conroy, NIH

Goals of the Meeting

1. Have a clear Data Release roadmap for Summer 2020
2. Discuss progress over the past year, enhance rigor and reproducibility of our data collection
3. Rapidly integrate the new Rapid Technology Implementation projects
4. Finalize Consortium policies
5. Develop more detailed plans for upcoming meetings

Welcome to Our New RTI Projects!

Less than 2 weeks ago we made 4 new Rapid Technology Implementation awards:

- Yousef Al-Kofahi (GE) - Multi-Scale 3-D Image Analytics for High Dimensional Spatial Mapping of Normal Tissues
- Mike Angelo, Sean Bendall (Stanford) - A robust platform for multiplexed, subcellular proteomic imaging in human tissue
- Neil Kelleher (NW) - Renewable and Specific Affinity Reagents for Mapping Proteoforms in Human Tissues
- Evan Macosko (Broad) - Implementation of Slide-seq for high-resolution, whole-transcriptome human tissue maps

What's been happening?

- Several meetings, including 2 CCF meetings on kidney and lung, demo days...
- Marker paper in final stages of being published, MTA, DUA...
- A lot of groundwork for first data release - Protocols.io, UUID, DRT & portal teams, IRB certifications...
- 11 collaborative projects established
- Increasing collaboration with other consortia - e.g. with HCA on image analysis and metadata...

Some Numbers...

	Papers Published	Sample Data Submitted	Protocols.io Submitted	DUA Signed	IRB Certificate at IEC	SC Attendance
HIVE-IEC				X		4
HIVE-Harvard				X		6
HIVE-CMU	3			X		1?
HIVE-Indiana	3			X		4
HIVE-NYGC	2			X		6
TMC-Caltech	2	3		X	X	4
TMC-Stanford		2		X		4
TMC-UCSD		1	2	X		1?
TMC-UF		1	1	X		4
TMC-VU	3	1	1	X	X	6
TTD-Caltech	2			X		4
TTD-Harvard	2			X		4
TTD-Purdue				X		0?
TTD-Stanford						6

NIH FY20 Plans

- Reissue TMC and TTD FOAs - Winter 2019
- Demo Day - Winter 2019, Spring 2020
- NIH - HCA Meeting (Bethesda) - March 30 - April 1, 2020
- Annual Meeting (Bethesda) - May, 2020
- Functional proteomics workshop (Bethesda) - Summer 2020?
- Data Release - Summer 2020