

Bioconductor CZI / Human Cell Atlas Seed Networks Symposium: Work in Progress 2020

Date: July 20, 2020, 3 PM US Eastern time

Location: <https://czi.zoom.us/j/98111956017>

Schedule

3:00 - 4:00 Public session

3:00 Introduction (3 minutes)

3:03 - 3:10 Data access and representation (7 minutes)

- Data access (Morgan / Ramos / van Twisk)
- Data representations (Morgan / van Twisk)
- Large scale and remote data (Huber / Smith)

3:10 - 3:30 Methods for emerging data (20 minutes)

- Multimodal analysis cell population annotation from CITEseq (Finak)
- Long-read scRNAseq (Ritchie)

3:30 - 3:50 Methods for scalable, performant analysis (20 minutes)

- Scalable clustering -- minibatch kmeans (Risso)
- Corral; preprocessing matrix factorization (Culhane)

3:50 - 3:55 Outreach (5 minutes)

- Orchestrating Single-Cell Analyses (OSCA) in Bioconductor with HDF5 (Hicks/Risso)

3:55 - 3:59 Challenges & opportunities (5 minutes)

- Ongoing activities across the group (Hansen)
- RNA velocity in detail (Hansen)

4:00 - 5:00 Meeting with the sponsors (Closed to the public)