

Bioconductor CZI / HCA
Seed Networks Symposium:
Work in Progress

July 20, 2020

Introduction to the symposium

Bioconductor <https://bioconductor.org>

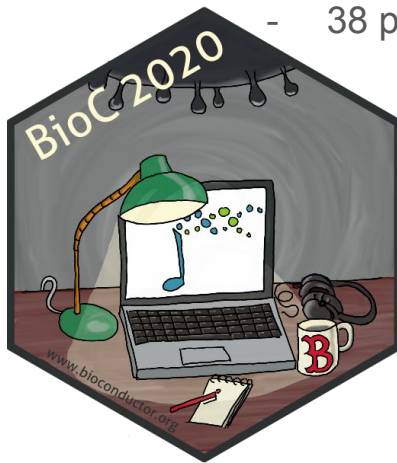
- Statistical analysis and comprehension of high-throughput genomic data
- 1900+ R packages contributed by our global user base
- Widely used & well respected

Single cell resources

- 100+ existing packages
- [Orchestrating single-cell analysis with Bioconductor](#)
- Annual conference next week!

Seed networks for the human cell atlas see

- "...bring together experimental scientists, computational biologists, software engineers, and physicians to support the continued development of the Human Cell Atlas (HCA)"
- 38 projects, of which we are one



Bioconductor's contributions

- Access and represent HCA data
- Methods and benchmarks for emerging and integrative data
- Methods for scalable, performant analysis

Today

- Recent updates from across our collaboration
- Short talks, with question & answer opportunities

Project leaders

- Aedin Culhane
- Greg Finak
- Kasper Hansen
- Stephanie Hicks
- Wolfgang Huber
- Martin Morgan
- Davide Risso
- Matt Ritchie