

Approaches to acquire and analyze single cell RNA-seq data

2nd Meeting Single Cell Center Heidelberg (SCC HD)

<https://single-cell-center-hd.de>

June 7, 2018 14-17:30, Bioquant, SR 41, ground floor

Organizers: Eileen Furlong, Karsten Rippe, Josephine Bageritz, Charles Girardot

Venue: Bioquant Center, Im Neuenheimer Feld 267, for directions see:

http://malone.bioquant.uni-heidelberg.de/contact/Campus_Heidelberg_BQ.jpg

Please send an e-mail to Sofie Steinfest (s.steinfest@dkfz.de) if you want to attend.

- 14:00-14:15 **Eileen Furlong & Karsten Rippe:** Welcome, announcements and organizational issues
- 14:15-15:30 Session I (15 min talks + 10 min discussion), chair Karsten**
- 14:15-14:40 **Philipp Mallm:** What you ever wanted to know about single cell RNA-seq experiments
- 14:40-15:05 **Bernd Klaus:** An overview of computational methods for the analysis of scRNA-seq data.
- 15:05-15:30 **Josephine Bageritz:** Some insights into the drop-seq technology
- 15:30-16:00 Coffee break with informal discussions**
- 16:00-17:15 Session II (15 min talks + 10 min discussion), chair Eileen**
- 16:00-16:25 **Britta Velten:** Single cell, multiple assays: disentangling cell-to-cell heterogeneity across molecular layers using multi-omics factor analysis
- 16:25-16:50 **Simon Anders:** Interactive visualization tools for single cell transcriptomics
- 16:50-17:15 **Lars Velten:** Stories of blood and bone, one cell at a time
- 17:15-17:30 Wrap up, format/topics of next meetings on Sep 20 and Dec 13, 2018.

Discussion with beer & pizza