

New methods and readouts for single cell analysis
5th Meeting Single Cell Center Heidelberg (SCC HD)
<https://single-cell-center-hd.de>

March 14, 2019 14-17:30, EMBL Operon

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

Venue: EMBL Operon, for directions see:

https://www.embl.de/training/events/info_participants/travel_information/files/EMBL_Campus_Map.pdf

Bus to EMBL: 13:30 hour, leaving in front of the main entrance of the Bioquant (INF 267, pre-registration required with Sofie Steinfest, s.steinfest@dkfz.de)

- 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 Eileen**
- 14:15-14:40 **Theodore Alexandrov & Luca Rapppez** (EMBL): SpaceM: a method for spatial single-cell metabolomics
- 14:40-15:05 **Simon Anders** (ZMBH): Interactive visual tools for single-cell data analysis / Single-cell transcriptome data analysis by foot: How to side-step black-box tools.
- 15:05-15:30 **Can Sönmezer** (EMBL): Quantification of TF binding at the resolution of single DNA molecules
- 15:30-16:00 Coffee break with informal discussions**
- 16:00-17:30 Session II (15 min talks + 10 min discussion), chair Karsten**
- 16:00-16:25 **Karsten Rippe** (DKFZ & Bioquant): scATAC-seq on different platforms and integration with scRNA-seq
- 16:25-16:50 **Ashley Sanders** (EMBL): Dissecting complex rearrangement processes by strand-specific sequencing.
- 16:50-17:15 **Hyobin Jeong** (EMBL): Strand-seq to study genetic & epigenetic intra-tumor heterogeneity
- 17:15-17:30 Wrap up, format/topics of next meetings on 13th June 2019 (Bioquant), 12th Sept 2019 (EMBL), 12th Dec 2019 (Bioquant) and 5th Mar 2020 (EMBL)
- 17:30 - **Discussion with beer & pizza in the EMBL Operon Foyer**
- 17:30 - **Single Cell Clinic in V207 (pre-registration required with Roman Schefzik r.schefzik@dkfz-heidelberg.de)**

Bus to Bioquant: 18:30 hour, leaving in front of the EMBL Operon
RNV 39 bus to Bismarckplatz at 18:08, every 30 min