

Dissecting cellular development and deregulation with sc-seq readouts

7th Meeting Single Cell Center Heidelberg (SCC HD)

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

Sept 12, 2019 14:00-17:30, EMBL, Small Operon

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

Please register at <https://indico.dkfz.de/event/136/> if you want to attend.

14:00-14:10 **Eileen Furlong & Karsten Rippe:** Welcome

14:10-15:30 Session I (15 min talks + 10 min discussion), chair Karsten

14:10-14:35 **Florian Heigwer** (DKFZ, Boutros lab) "How cell heterogeneity shapes genetic interaction maps"

14:35-15:00 **Alexandra Poos** (Univ. Hospital Heidelberg & DKFZ, Raab & Rippe group): scATAC-seq analysis of multiple myeloma samples on the 10x Chromium platform

15:00-15:25 **Moritz Przybilla** (DKFZ/EMBL, Stegle group): Lineage tracing using somatic SNVs in mtDNA

15:30-16:00 Coffee break with informal discussions

16:00-17:30 Session II (15 min talks + 10 min discussion), chair Eileen

16:00-16:25 **Felix Frauhammer** (ZMBH, Anders group): Beyond clustering: gene smoothing for supervised data analysis

16:25-16:50 **Samuel Collombet** (EMBL, Heard group): Chromosome architecture in single cells during early embryo development

16:50-17:15 **Constantin Ahlmann-Eltze** (EMBL, Huber group): DESeq2 for single cell data

17:15-17:25 Wrap up, announcements topics of next meeting on 12th Dec 2019 (Bioquant) and 5th Mar 2020 (EMBL).

Discussion with beer & pizza

Bus to EMBL: 13:30 hour, leaving in front of the Bioquant

Bus to Bioquant: 18:15 hour, leaving in front of the EMBL Operon

RNV 39 bus to Bismarckplatz at 18:08, every 30 min