

New single cell sequencing methods and applications

8th Meeting Single Cell Center Heidelberg (SCC HD)

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

Dec 12, 2019 14:30-18:00, BioQuant, SR 41, ground floor

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

Please register at <https://indico.dkfz.de/event/155/> if you want to attend.

14:30-15:45 Session I (15 min talks + 10 min discussion), chair Karsten

14:30-14:55 **Lara Klett** (Rippe group, DKFZ & BioQuant): Targeted single cell DNA sequencing of leukemia patient samples to resolve tumor evolution

14:55-15:20 **Nicola Casiraghi** (Stegle group, DKFZ & EMBL): Dissecting tumor subclone structure with copy number variation analysis of scRNA-seq data

15:20-15:45 **Theodore Alexandrov** (EMBL): Spatial single-cell metabolomics

15:45-16:15 Coffee break with informal discussions

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

16:15-16:40 **Jessica Velten** (Ingrid Lohmann group, Univ of Heidelberg): Single cell sequencing of motoneurons and muscle cells in *Drosophila* embryos

16:40-17:05 **Adam Phillip Oel** (Arendt & Crocker groups, EMBL & Kaessmann group, ZMBH) Evolution of retinal cell types in the sea lamprey, *Petromyzon marinus*

17:05-17:30 **Laleh Haghverdi** (Huber group, EMBL): New perspectives for single-cell data integration beyond paired features correlation

17:30-17:40 **Wrap up**, announcement topics of next meetings on 5th March 2020 (EMBL, 14:00 hour), 18th June 2020 (BioQuant, 14:30 hour), 17th September 2020 (EMBL, 14:00 hour), 26th November 2020 (BioQuant, 14:30 hour).

Discussion with beer & pizza