

New single cell sequencing methods and applications

13th Meeting Single Cell Center Heidelberg (SCC HD)

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

September 16, 2021 14:00-17:15 video conference, opens at 13:45 hour

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

Details to join:

<https://embl-org.zoom.us/j/91215515435?pwd=cWtBSWs0R0pVazlxbmhmNXZYwaWRZUT09>

Meeting ID: 912 1551 5435

Passcode: 618853

Please register at <https://indico.dkfz.de/event/283/> if you want to attend.

15 min talks + 10 min discussion

14:00-14:05 *Welcome*

14:05-14:30 **Jeroen Krijgsveld** (DKFZ): Single-cell proteomics: promise and challenges

14:30-14:55 **Danila Bredikhin** (Stegle group, EMBL & DKFZ): Muon – a framework for single-cell multimodal omics data integration and interpretation

14:55-15:20 **Selina Jansky** (Westermann group, DKFZ): Developmental programs in neuroblastoma dissected by single-cell analysis

15:20-15:30 *Break*

15:30-15:55 **Mikaela Behm** (Odom group, DKFZ): Dissecting the impact of carcinogens on skin tissue homeostasis by single-cell sequencing.

15:55-16:20 **Constantin Ahlmann-Eltze** (Huber Group, EMBL): Transformation and preprocessing of scRNA-seq data

16:20-16:45 **Simon Steiger** (Rippe group, DKFZ & Bioquant): Retrieving interactions of tumor cells and the microenvironment from scRNA-seq data

16:45-17:15 *Wrap up followed by opportunity to stay online for discussion and networking in breakout rooms.*