

New single cell sequencing methods and applications

14th Meeting Single Cell Center Heidelberg (SCC HD)

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

December 9, 2021 14:00-17:15 video conference, opens at 13:45 hour

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

Please register at <https://indico.dkfz.de/event/284/> if you want to attend.

Details to join online: The Zoom link will be sent upon successful registration. Please note that you need to register with an e-mail address from a Heidelberg/Mannheim academic institution.

15 min talks + 10 min discussion

14:00-14:05 *Welcome*

14:05-14:30 **Tobias Gerber** (Arendt group, EMBL): Dissecting transcriptomic heterogeneity in a gigantic single-celled syncytium

14:30-14:55 **Daniel Dimitrov** (Saez-Rodriguez Group, HD-Uni): Comparison of Resources and Methods to infer Cell-Cell Communication from Single-cell RNA Data

14:55-15:20 **Mathias Boulanger** (Krebs Group, EMBL): Exploring transcription factor occupancy at cis-regulatory elements over kilobases

15:20-15:30 *Break*

15:30-15:55 **Patrick Van Nierop Y Sanchez** (Lohmann Group, HD-Uni): Mapping stem cell behaviour in the *Drosophila* male stem cell niche

15:55-16:20 **Sinem Saka** (Saka Group, EMBL): A DNA toolset for spatial biology from molecules to tissues

16:20-16:45 **Aino-Maija Leppä** (Trumpf Group, DKFZ): Decoding the effect of chromosomal rearrangements in CK-AML at single-cell resolution

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