

# New single cell sequencing methods and applications

## 15th Meeting Single Cell Center Heidelberg (SCC HD)

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

March 24, 2022 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/441/> 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 Bryce Lim (Mall lab, DKFZ), Single cell and reprogramming approaches to discover cell fate-regulating transcription factors
- 14:30-14:55 Britta Velten (Stegle lab, EMBL&DKFZ): Identifying temporal and spatial patterns of variation from multi-modal data using MEFISTO
- 14:55-15:20 Ioannis Sarropoulos (Kaessmann lab, Heidelberg University): The regulatory basis of cerebellar development and evolution at single-cell resolution
- 15:20-15:30 *Break*
- 15:30-15:55 Daniel Schraivogel (Steinmetz lab, EMBL): High-speed image-enabled cell sorting enables functional genomic screens of single-cell phenotypes
- 15:55-16:20 Maja Funk (Boutros lab, DKFZ): Identification of intrinsic and extrinsic ageing factors in the intestinal epithelium using single-cell approaches
- 16:20-16:45 Michael Dorrity (EMBL): Cell type-specific temperature sensitivity during development
- 16:45-17:15 *Wrap up followed by opportunity to stay online for discussion and networking in breakout rooms.*