

New single cell sequencing methods and applications

12th Meeting Single Cell Center Heidelberg (SCC HD)

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

June 10, 2021 14:00-17:10 via zoom webinar, opens at 13:45 hour

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

Please register at <https://indico.dkfz.de/event/281/> if you want to attend.

15 min talks + 10 min discussion

14:00-14:05 *Welcome*

14:05-14:30 **Aurelié Ernst** (DKFZ): Single cell multi-omics analysis of chromothriptic medulloblastoma highlights genomic and transcriptomic consequences of genome instability

14:30-14:55 **Daniel Schraivogel** (Steinmetz group, EMBL): High-throughput functional genomics with CRISPR/Cas9 and complex readouts from single cells

14:55-15:20 **Laura Llao Cid** (Seiffert group, DKFZ): Deciphering the complexity of T cell exhaustion in chronic lymphocytic leukemia by integrative single analyses

15:20-15:30 *Break*

15:30-15:55 **Karen Grimes** (Korbel Group, EMBL): Haplotype-aware single-cell multiomics uncovers functional effects of somatic structural variation

15:55-16:20 **Denis Schapiro** (University): "Google Maps" for tissue biology – Mapping the tumor microenvironment with spatial omics technologies.

16:20-16:45 **Stefano Secchia** (Furlong Group, EMBL): Using sciATAC to phenotype mutants at both a cellular and molecular resolution

16:45-17:10 *Wrap up followed by opportunity to stay online for discussion and networking*