

# 24<sup>th</sup> Meeting Single Cell Center Heidelberg (SCC HD)

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

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Heidelberg Mannheim

**June 13, 2024 14:00-17:00 EMBL Large Operon**

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

**Please register at <https://indico.dkfz.de/event/869/> if you want to attend.** Please note that you need to register with an e-mail address from a Heidelberg/Mannheim academic institution.

14:00-14:05 Welcome

14:05-14:30 **Marco Cosenza** (EMBL) "Landscape of chromosome alterations and de novo rearrangement processes in micronucleated cells".

14:30-14:55 **Hammad Seddik** (Cell Isolation and Molecular Imaging Unit, Medical Faculty Mannheim) "Spatial profiling identifies fate changes of  $\alpha$ -SMA-positive CAF and CD68-positive macrophage populations during disease progression from cirrhosis towards HCC formation"

14:55-15:20 **Christian Tischer** (EMBL) "Nextflow workflow for the analysis of ISS imaging data".

15:20-15:45 *Break*

15:45-16:10 **Severina Klaus** (Infectious Diseases Imaging Platform, UKHD) "Expanding insights: harnessing expansion microscopy for high-resolution analysis of virus-host interactions"

16:10-16:35 **Carl Herrmann** (COS, Heidelberg University) "Interpretable perturbational models for single-cell analysis"

16:35-17:00 **Umut Yildiz** (EMBL) "SUM-seq: a cost-efficient, scalable method for profiling chromatin accessibility and gene expression in single cells".

17:00 *Wrap up followed by opportunity to stay for discussion and networking*

**Discussion with beer & pizza**

Date for the next meeting: 19 September 2024 at BioQuant (14h00-17h30)