



25th Meeting Single Cell Center Heidelberg (SCC HD)

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

Supported by



Health + Life Science Alliance
Heidelberg Mannheim

September 19, 2024 14:00-17:30 BioQuant

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

Please register at <https://indico.dkfz.de/event/870/> if you want to attend. Please note that you need an e-mail address from a Heidelberg/Mannheim academic institution to register.

14:00-14:05 Welcome

14:05-14:30 **Adam Cribbs** (University of Oxford, UK, Computational and Systems Biology Group Leader)

“Addressing Errors and Artefacts in Long-Read Single-Cell Sequencing: Challenges and Solutions”.

14:30-14:55 **Elyas Heidari** (DKFZ & EMBL, AI in Oncology, Gerstung Group / Statistical genomics and systems genetics, Stegle Group).

“Fast and accurate cell segmentation of highly multiplexed spatial omics using graph neural networks with segger”.

14:55-15:20 **Yulia Ermakova** (EMBL, Gen Tech Dev open Lab, Furlong and Saka Group)

“Antibody toolbox for spatial omics”.

15:20-15:45 *Coffee Break*

15:45-16:10 **Sina Dadmand** (DKFZ, Turcan Group)

“Deciphering the effect of (R)-2-hydroxyglutarate on the tumor microenvironment of IDH mutant gliomas”.

16:10-16:35 **Valentina Baderna** (EMBL, Krebs Group)

“Dissecting genetic and epigenetic contribution to chromatin opening”.

16:35-17:00 **Ricardo O. Ramirez Flores** (UKHD & EMBL-EBI, Saez Group)

“Complementing single-cell taxonomies with a multicellular analysis of tissues “.

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

Discussion with beer & pizza

Date for the next meeting: 5th December 2024 at EMBL (14h00-17h30).