

# Kick-off MULTI-SPACE technology hub for spatial transcriptomics

Mar 9, 2023 14:00-17:30 BioQuant, SR 41, ground floor

*Organizers:* Eileen Furlong, Karsten Rippe, Josephine Bageritz & Julio Saez-Rodriguez

The workshop will introduce the MULTI-SPACE spatial transcriptomics technology hub that is open for use by scientists from all the institutions of the Health + Life Science Alliance Heidelberg Mannheim (<https://www.health-life-sciences.de/>).

**Please register at <https://indico.dkfz.de/event/595/> if you want to attend.**

- 14:00-14:05 Welcome
- 14:05-14:15 **Andrea Leibfried:** Introduction of Health + Life Science Alliance Heidelberg Mannheim and its Innovation Campus MULTI-SPACE program
- 14:15-14:25 **Karsten Rippe** (DKFZ & BioQuant): Overview of spatial transcriptomics instrumentation from the Innovation Campus MULTI-SPACE call 2022
- 14:25-14:35 **Philipp Mallm** (Single Cell Open Lab, DKFZ): Spatial transcriptomics on the Merscope system from Vizgen
- 14:35-14:45 **Lukas Mathur & Eileen Furlong** (GenTechDev, EMBL): Seq-FISH+ - Spatial transcriptomics at single molecule resolution
- 14:45-14:55 **David Ibberson & Bianka Berki** (Deep Sequencing Core Facility, Heidelberg University): Seq-scope with the Illumina MiniSeq sequencer
- 14:55-15:05 **Anne Rademacher** (DKFZ & BioQuant) & **Holger Erfle** (Advanced Biological Screening Facility, Heidelberg University): Spatial transcriptomics for the rest of us – “Custom Cartana” (HybISS) workflows and automated imaging
- 15:05-15:15 **Ulrike Engel** (Nikon Imaging Center, Heidelberg University) & **Denis Schapiro** (UKHD): Supporting spatial transcriptomics data analysis
- 15:15-15:25 **Summary discussion and introduction of breakout session schedule**
- 15:25-15:45 *Coffee break*
- 15:45-16:30 **Breakout sessions**
- Breakout I: **SR41: How to get started/logistics (Josy, Philipp)**
- Breakout II: **SR42: Novel readouts & technology development (Karsten, Eileen)**
- Breakout III: **SR43: Data analysis (Julio, Denis)**
- 16:30-17:00 **SR41 Plenum:** *Presentation of results from breakout sessions (10 min each)*
- 17:00-17:15 *Wrap up & action items followed by discussion and networking with pizza & beer*