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Core Facility | Augsburg

## Single Cell



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### Instrumentation:

New high-resolution technologies such as next generation sequencing have revolutionized the field of genomics research over the past decade. Single-cell sequencing technologies are developing rapidly and are becoming increasingly important for many research groups especially when addressing cellular heterogeneity. The flexible Chromium System from 10x Genomics offers great capabilities. To facilitate easy access for a broad user community, we provide close support from experimental design to sample preparation and data processing. Single cell technologies are rapidly evolving; we therefore continuously implement novel approaches in the context of collaborative research projects.

#### Currently available instrumentation:

- 10x Genomics Chromium Controller

#### Instrumentations expected in the near future:

- IsoPlexis IsoSpark

### Services:

- High-throughput single-cell analyses based on 10x Genomics technology (including isolation, barcoding, preparation and consecutive analysis)
- Single cell RNA-seq, single cell immune profiling

#### Currently being established and expected in the near future:

- Single cell ATAC-seq and single cell CNV assays
- Spatial transcriptomics
- Single cell proteomics and secretomics (IsoPlexis based)

### Contact Information:

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