

**Dr. Hannes Arnold**

Technical Sales Specialist, 10x Genomics, Inc.

**Dr. Thorsten Lemker**

Sales Manager Southern Germany, 10x Genomics, Inc.

## **“10x Genomics Chromium Technology: Multiple Features in Single Cells - Biology at True Resolution.”**

**7 May 2019, 11:00 (s.t.)**

**Venue:** IMB Seminar Room, 2<sup>nd</sup> Floor  
Institute of Molecular Biology (IMB)  
Johannes Gutenberg University Campus Mainz

All are welcome to attend.

## **10x Genomics Chromium Technology: Multiple Features in Single Cells - Biology at True Resolution.**

10x Genomics was the first vendor to offer with its Chromium technology a fully integrated commercial solution for single cell RNA sequencing. 10x Genomics subsequently built on this technology to offer multiple applications based on its Chromium technology. Notably, paired analysis of B cell and T cell receptor chains, a single cell DNA assay for the analyses of copy number variations and a single cell ATAC assay for the epigenetic analysis of the accessibility of chromatin in single cells. Most recently, 10x Genomics expanded its single cell solutions with the Chromium Feature Barcoding technology, enabling the simultaneous measurement of many phenotypes in a single cell. This includes but is not limited to immuno phenotyping, studying the interaction of antigens with T cell receptors and the effect of CRISPR/Cas9-based genome editing in single cells.

This presentation will introduce the Chromium technology-based integrated solutions portfolio and further provide examples how these applications can provide information around multiple features of the same cell in parallel, further highlighting the disruptive character of single cell applications.