

## Accelerate discovery with next-day multiomic profiling using AVITI24™

Join us to learn how one platform can reduce complexity and support faster decisions



### Redefining Sequencing: From Genomics to 5D Multiomics with AVITI24™



# Unil.GF



#### Webinar and online Tools demo

AVITI24™ combines single cell, spatial co-detection of RNA, protein, and morphology, and next-generation sequencing into one integrated system—all powered by our groundbreaking Avidite Base Chemistry™ (ABC™). From drug response pathway deconvolution and genetic perturbation screens to immune profiling and dynamic cell state analysis, AVITI24 empowers you to see more in every experiment. The presentation is followed with an online demo showcasing data, tools and discussing practical considerations.



#### Dr. Wilfred van IJcken

Senior Technical Sales Specialist  
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**Location** Teams meeting online

**Date/Time** 13 -15 h PM CET | January 9 2026

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Please register via the QR-code.

Link: <https://www.elementbiosciences.com/unil>



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## 5D Multiomic Insights

Explore biology at unprecedented depths with AVITI24™. Traditional multiomics approaches require multiple platforms, samples, and integration of disparate datasets. AVITI24 changes that with high-dimensional co-detection of RNA, morphology, protein, and their dynamic response and spatial relationships—all with no library prep. It's the platform designed for discovery.



### Spatial Resolution

With precise single cell imaging, each analyte is spatially captured, revealing the exact intracellular locations of RNA and protein expression, as well as the intricate organization of structures within a sample.

### RNA

Profile 350 transcripts with enhanced sensitivity and dynamic range. With automated onboard probe hybridization, and amplification, you can detect 1000s of transcripts per cell.

### Protein

Map up to 138 cell surface, intracellular, and phospho proteins at subcellular resolution with automated onboard antibody binding, amplification, and detection by ABC sequencing.

### Morphology

Visualize nucleus, cell membrane, actin, endoplasmic reticulum, Golgi apparatus, and mitochondria. Reversible cell labels multiplex feature detection and onboard primary analysis performs real-time segmentation and feature extraction.

### Dynamic Response

Understand cellular responses over time, screen different compounds and dosages, or profile gene perturbations within a single run. Scale your throughput with 1-well, 12-well, and 48-well\* formats for profiling of up to 96 samples in a dual sided run.

\*48-well coming in 2025

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