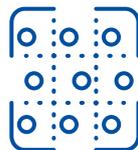# KATANA

Batch & Cohort Analysis

Upscale your results without increasing your workload.

For Whole Slide Images (WSIs) and Tissue Microarrays (TMAs), we provide image analysis and advanced data analytics tailored to your needs.

Deliverables: Image visualization + QC Report + Results Report.

Accurate Cell Segmentation

Best-in-class single cell segmentation for various tissues and modalities.

Our best-in-class AI algorithms precisely capture cell borders and morphological features, even in complex tissue structures.

Deliverables: Nucleus and/orwhole cell segmentation + cell masks for visualization and download.

Deep Feature Extraction

Extract multidimensional data at single-cell and sub-cellular resolution.

Uncover deeply embedded morphological and functional features, derived from full quantification of all detectable cellular and sub-cellular markers and spatial features.

Deliverables: Quantified multidimensional data for direct visualization and download.

Quality Assurance & Quality Control

Optimize your spatial biology workflows and save costs, time, and resources.

We support you in standardizing your spatial biology workflows. Our internally developed QA and QC procedures allow us to detect technical issues and pinpoint their origin.

Deliverables: Consulting and customized quality assessment reports.

High-quality spatial omics data at your fingertips
10 years of our experience are at your service

For every project you plan and execute with Katana Labs, one of our dedicated experts will be at your side as your direct contact. We provide guidance, adapt our analyses to your needs, and can develop custom project solutions when standard approaches are not enough. Contact us and improve the efficiency and cost-effectiveness of your R&D projects today!

Get in touch

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Explore our product

KATANA edge

AI-native cloud platform for spatial omics

SaaS Product

Automated processing

Upload to the cloud
No matter the size, even 100+GB

Visualize & download
Processed and ready for interpretation

Your spatial data is 3 simple steps away

End-to-end SaaS platform for automated image analysis

If you aim to **simplify and standardize your spatial biology workflows,** Katana Labs is your partner. OurSaaS platform, **Katana Edge**, delivers fast, accurate, and scalable analysis across large-scale datasets. Katana Edge is currently available for multiplex immunofluorescence imaging (mIF), Spatial Transcriptomics, Spatial Proteomics, Fluorescence In Situ Hybridization (FISH), Immunohistochemistry (IHC), and advanced IHC for low-expressing biomarkers. With Katana Edge you can **streamline your R&D projects, optimize timelines, and save costs.**

Easy access to compute
Easily set up your account and benefit from an intuitive to use, high-performance platform to access, analyze, and share your data through the browser-based Katana Edge platform. No need for local IT upgrades.

Saving costs
Avoid investing in costly high performance computers or servers required for data processing and storage. Free up your personnel for more important work than manual image analysis.

Speed
Get your data analyzed within hours/days, while you are focusing your efforts on other tasks and priorities. We can set up fully automated image analysis pipelines customized to your needs.