



MantaPlex™

Spatial Intelligence



Unlock new insights with intuitive software
for multiplex single-cell and spatial phenotyping



Spatial Insights

Understand cell:cell interactions within a complex tissue microenvironment



Guided Workflow

Step-by-step guidance, easy-to-use tools, and an intuitive no-code user interface



Speed & Precision

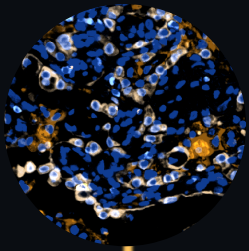
Rapid analysis of whole-slide images using expert-validated workflows



Local & Secure

Run analyses locally while keeping sensitive imaging data fully protected

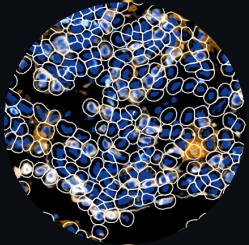
Research-use software - not for clinical or diagnostic use



01

Visualize

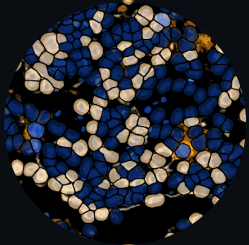
View and annotate tissue, identify artifacts, and create tissue masks either manually or with our selection of automation tools.



02

Segment

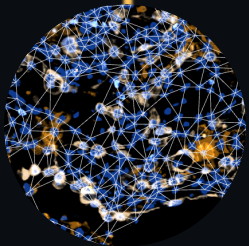
Perform nuclear and cell segmentation with modular, adjustable thresholding and processing parameters.



03

Quantify

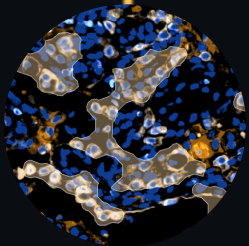
Assess biomarker expression (highplex compatible) and classify cells with a personalized, user-defined hierarchy.



04

Map

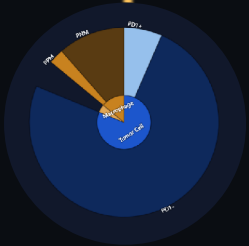
Identify cell:cell interactions using proximity profiling and nearest neighbour analyses.



05

Detect

Automatically identify single- or multi-class cell clusters and create structures connecting neighbours.



06

Navigate

Explore single-cell and spatial summary data using our interactive Results Dashboard.

↓ Import

OME-TIFF, QTIFF, TIFF, CZI, SCN and other image formats

↑ Export

CSV and XLSX tables as analysis-ready outputs

📄 Report

Automatically exports analysis parameters for scientific traceability

🔗 Platforms

Supports images from most highplex imaging platforms, slide scanners, and confocal microscopes

💻 System

Runs locally on Windows 10 or later, with 8GB of memory

Join our community and start your journey with MantaPlex

Visit us at www.mantalys.fr or scan the QR code to get started.

