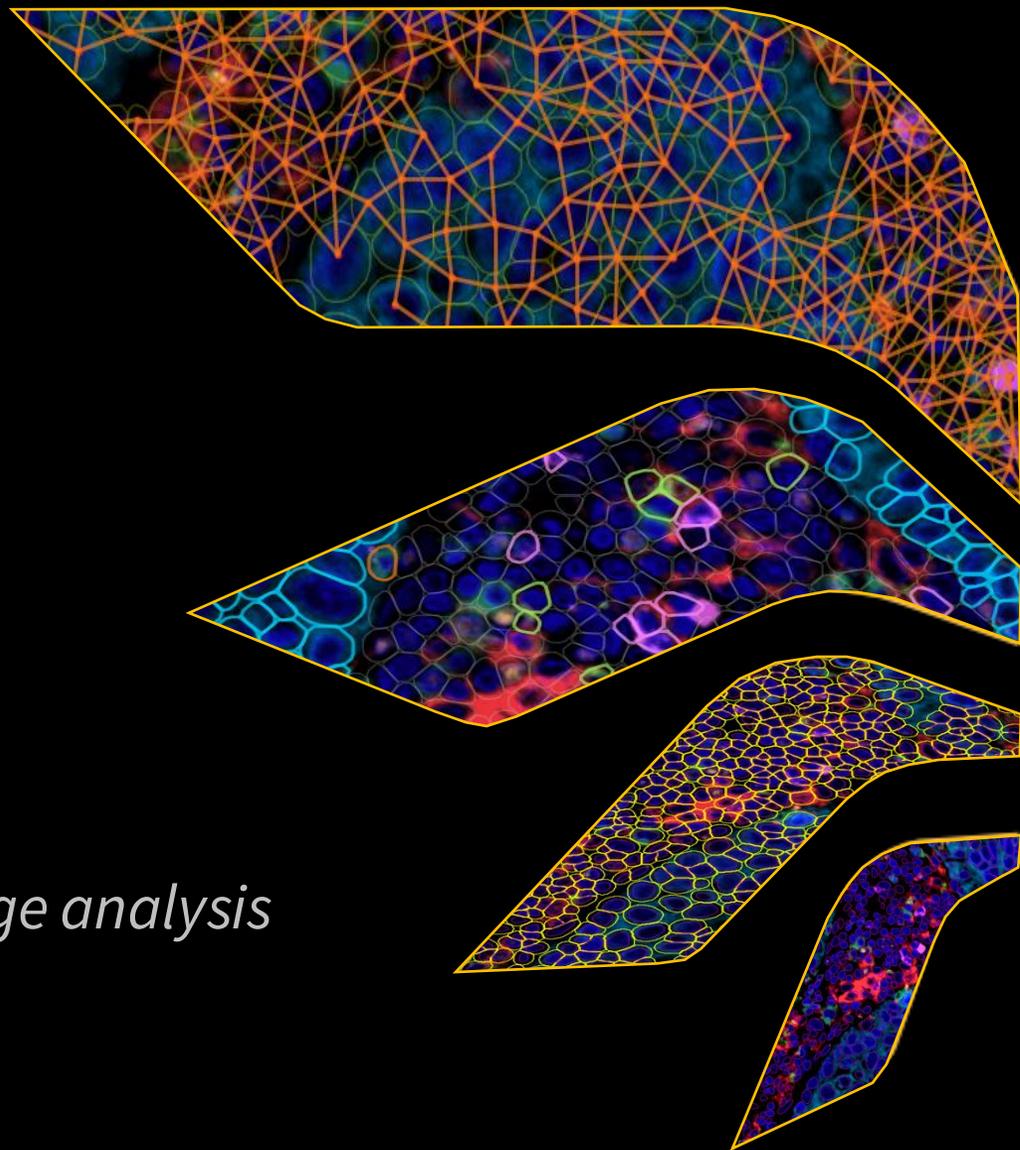




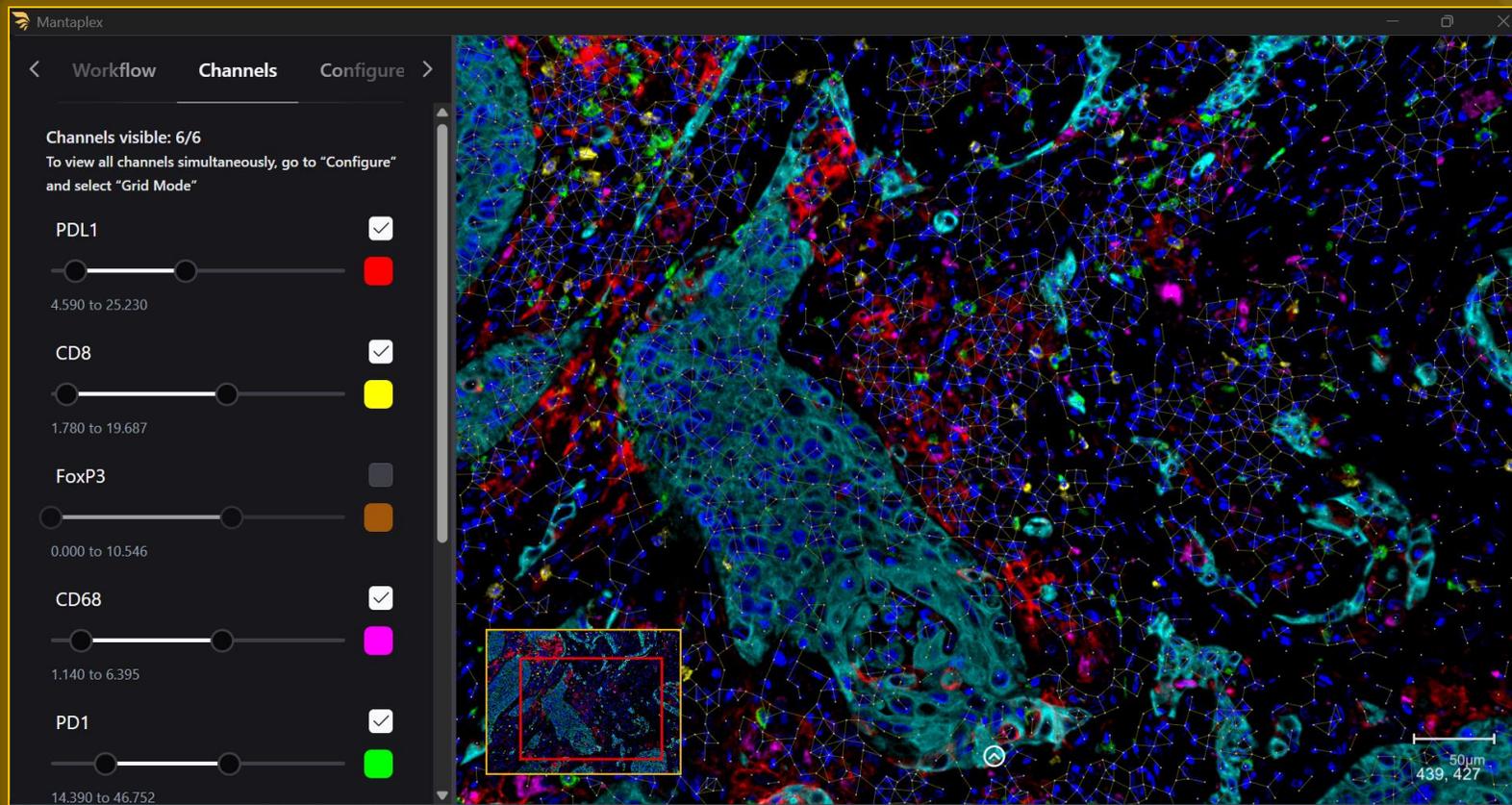
# MantaPlex

*Bringing visionary intelligence to multiplex spatial image analysis*



# MantaPlex

An intuitive software package empowered with light, fast high-performance AI for state-of-the-art spatial image analysis



- Explore different analysis approaches within our user-friendly guided workflow
- Unlock rigorously validated pre-trained algorithms for single-cell spatial image analysis
- Produce trustworthy, reproducible results with confidence
- Tune your analysis parameters and view results on the Results Dashboard

*For research use only. Not for diagnostic procedures*

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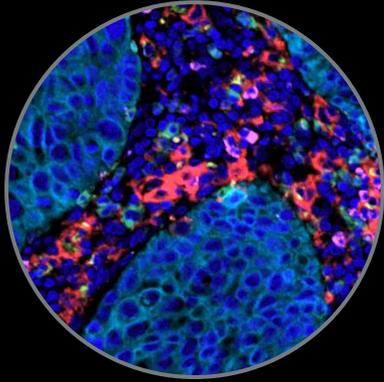
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[contact@mantalys.fr](mailto:contact@mantalys.fr)

Mantalys France, SAS  
6 Place du Président Thomas Woodrow Wilson  
31000 Toulouse France

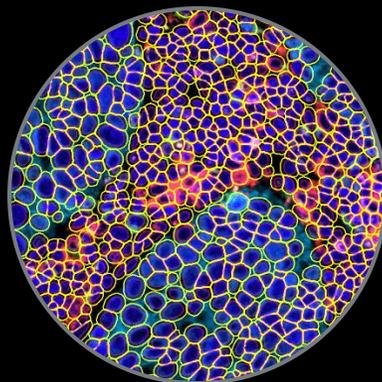
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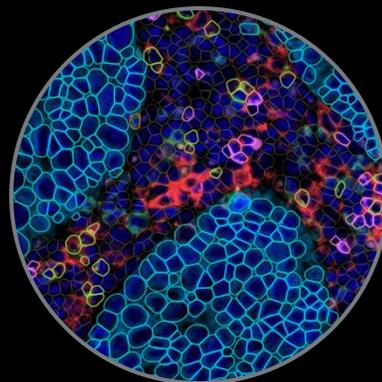
## Visualize Multiplex Images

- Select tissue sections from WSIs
- Design customized color panels
- Draw and automatically subdivide regions of interest
- Utilize “Grid View” for single-channel inspection



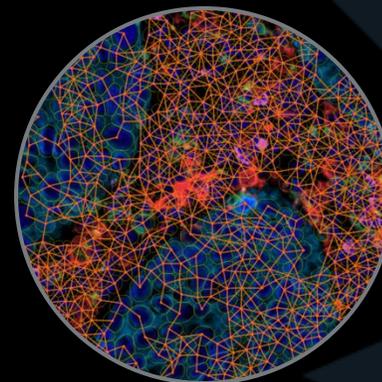
## Segment Individual Cells

- AI-powered nuclear and cell segmentation algorithms
- Optimized for detection of DAPI-stained nuclei
- Generate an exportable single-cell feature table



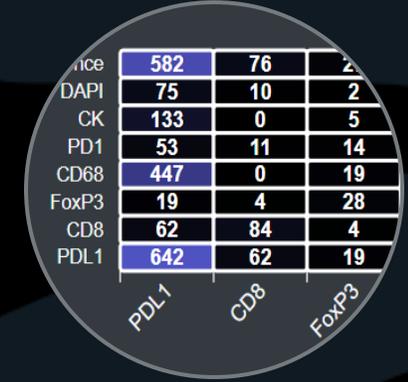
## Classify Cell Phenotypes

- Classify cells by marker expression
- Utilize user-generator rules or unsupervised analyses
- Assess cell phenotype by tissue compartment



## Map Spatial Interactions

- Visualize cell:cell interactions
- Perform proximity profile and nearest neighbour analyses
- Automatically detect cell clusters



## Unlock Quantitative Insights

- Utilize the “Results Dashboard” to visualize summary data
- Use filters to customize visualized datasets
- Export single-cell data in common file formats for further analysis

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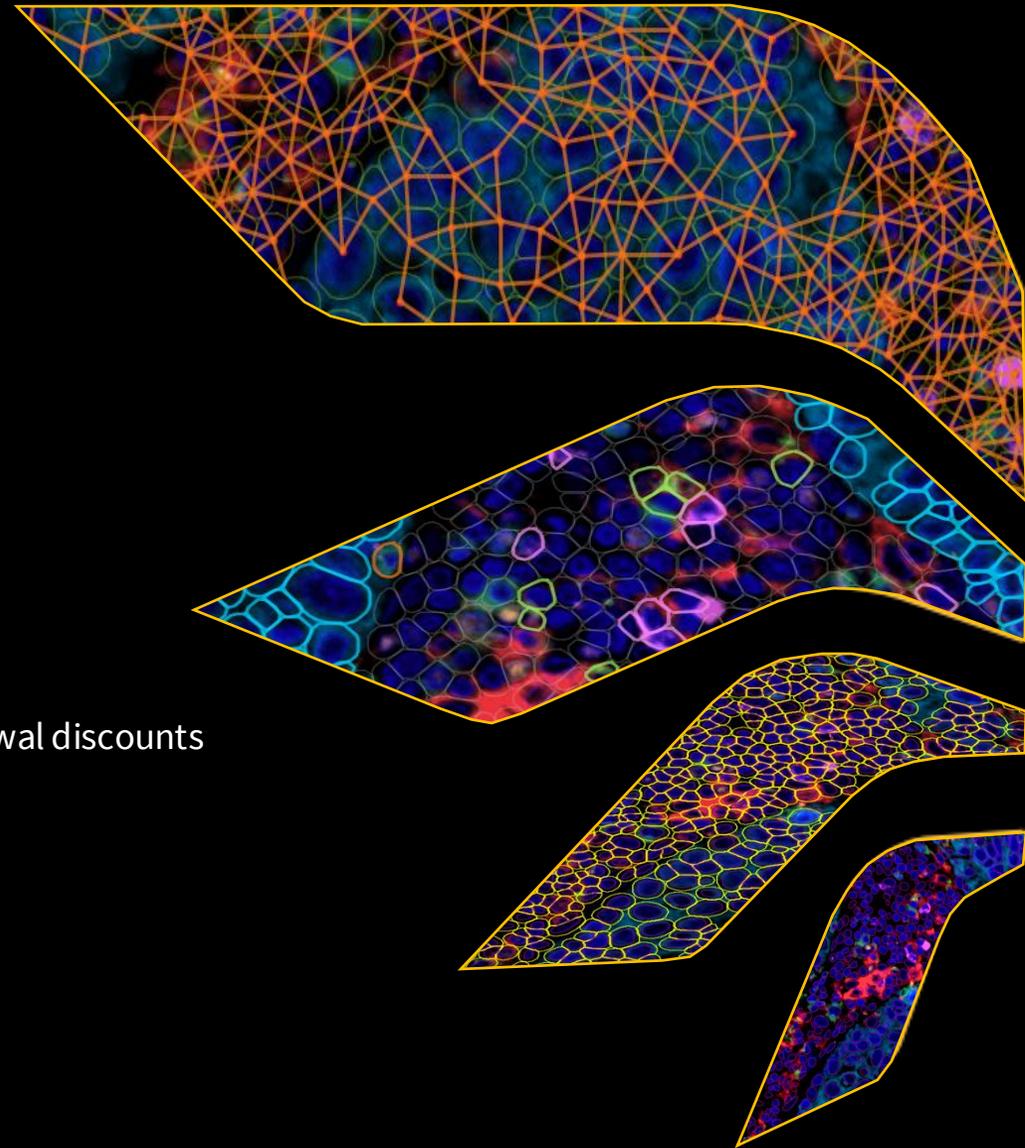
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# Interested in partnering with us?

Sign up online at [www.mantalys.fr](http://www.mantalys.fr) or email us at [contact@mantalys.fr](mailto:contact@mantalys.fr) to get started.

*Early innovators will benefit from:*

- **A free 30-day trial of MantaPlex with unlimited features, images and exports**
- Exclusive pre-release access with customized pricing packages and lifetime renewal discounts
- One-on-one training sessions
- Continuous engagement with developers
- Prioritized feature suggestion and feedback opportunities
- Opportunities for marketing collaborations and case studies



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The original tissue images utilized herein were provided by PerkinElmer Vectra as QTIFF files (c) PerkinElmer (<http://www.perkinelmer.com>) and are available for download here: [https://downloads.openmicroscopy.org/images/Vectra-QTIFF/perkinelmer/PKI\\_fields/](https://downloads.openmicroscopy.org/images/Vectra-QTIFF/perkinelmer/PKI_fields/).

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