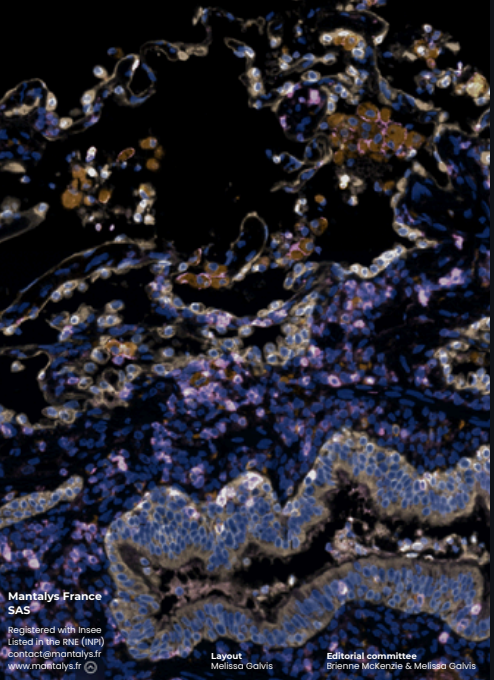
# Mantalys

Visionary Intelligence

## Mediakit

2026



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# Overview




**Mantalys France SAS**
Registered with Insee
Listed in the RNE (INPI)
contact@mantalys.fr
www.mantalys.fr

**Layout**
Melissa Galvis

**Editorial committee**
Brienne McKenzie & Melissa Galvis

# Editorial

AI is a powerful tool to bridge the gap between scientific images and meaningful insights. But the profound cost, infrastructure requirements, and silos of expertise associated with AI implementation exclude large sectors of our biomedical community. That's why our core goal at Mantalys is to create accessible and sustainable AI solutions that democratize access to AI-driven insights.

We strive to create light, fast, high-performance AI solutions that unlock actionable insights from biomedical images, using a combination of both Evolutionary Computation and Deep Learning approaches.

Our technology supports the dedicated and passionate researchers at the leading edge of biomedical research – both in the public and private sectors – to help them unlock scientific insights and change the future of medicine.

**Brienne McKenzie**
Co-Founder & CPO

# Key metrics

**500+**
**Cells succesfully segmented**
per second

**1700+**
**Cells classified**
per second

**17,000+**
**Maps connections between cells**
per second

**42,000+**
**Identified neighbouring cells**
per second

# Problem

In the fight against cancer, understanding the immune system is crucial. Researchers need to identify **individual immune cells** and track how they interact within tissues. But this is no small task: tumor samples can contain **millions** of cells, **dozens** of tissue types, and multiple molecular markers.

**Analyzing this manually is nearly impossible.** That's where automation becomes essential.

Advanced tools are needed to turn complex images into actionable insights, mapping cells, their markers, and their interactions quickly and accurately. **Without it, critical discoveries in immuno-oncology remain out of reach.**

Mantalys provides exactly this: fast, reliable **AI solutions** that transform massive imaging data into meaningful information, helping scientists focus on what truly matters, **understanding and fighting cancer.**

**Option 1**

Free open-source tools not adapted to real needs

**SOLUTION**

MantaPlex™
Spatial Intelligence

**Option 2**

Commercial tools that are inaccessible

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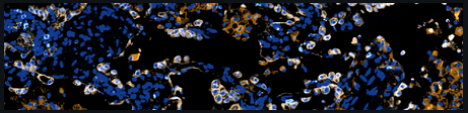
# Our vision

**Mantalys** aims to give experts full control over their tools and their data. We build light, fast, high-performance AI solutions that transform complex images into actionable insights without heavy infrastructure or black-box systems.



**Accesible** **Sustainable** **Independent**

By combining Evolutionary Computation and Deep Learning, we deliver custom algorithms and intuitive software making scientific image analysis efficient and truly user-driven.

Designed to run locally, our AI significantly reduces energy use and carbon emissions compared to heavy, cloud-dependent systems. Our vision is to ensure that powerful image analysis remains responsible, sustainable, and firmly in the hands of those who use it.

# Our team

## Kévin Cortacero

**Co-Founder and Chief Executive Officer**

PhD focused on image analysis, computer vision and genetic programming.

## Brienne McKenzie

**Co-Founder and Chief Product Officer**

PhD in neuro-immunology, post-doctoral research experience in tumor immunology.

## Thomas Sauvage

**Co-Founder and Chief Technology Officer**

Engineering degree, expertise using lightweight and fast development techniques for improving MantaPlex app.

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# Validated excellence

## With the support of

bpifrance

FRANCE 2030

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nubbo INCUBATEUR À MISSION

TMIE Pépinières et hôtels d'entreprises Toulouse Métropole

CRCT

Inserm La science pour la santé From science to health

## Recognized for

GECCO

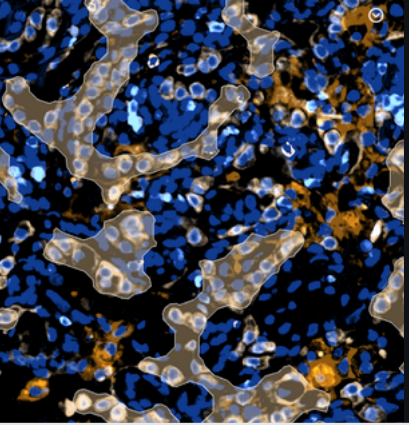
**2024 Humies Gold Award**

Melbourne, Australia

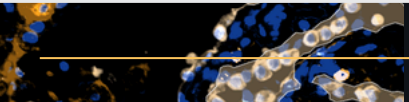
nature

**2023 Scientific article publication**

Nature Communications



# Our services



## Custom Image Analysis Services

Mantalys offers a *tailor-made* image analysis service designed for experts who face complex, high-volume, or highly specific imaging challenges. Through *one-on-one* collaboration with our specialists, we build fully customized solutions that extract exactly the information each project needs.

**The result:** a powerful, bespoke image analysis solution that turns your most difficult images into clear, actionable data.

- **Made-to-measure:** Solutions built through direct collaboration with experts to address complex or high-volume datasets.
- **Hybrid high-performance AI:** Advanced Deep Learning + Evolutionary Computation algorithms delivering precise, reliable results beyond standard tools.
- **Seamless integration:** Flexible delivery formats (compiled code, deployable models, etc.) that fit effortlessly into any workflow.

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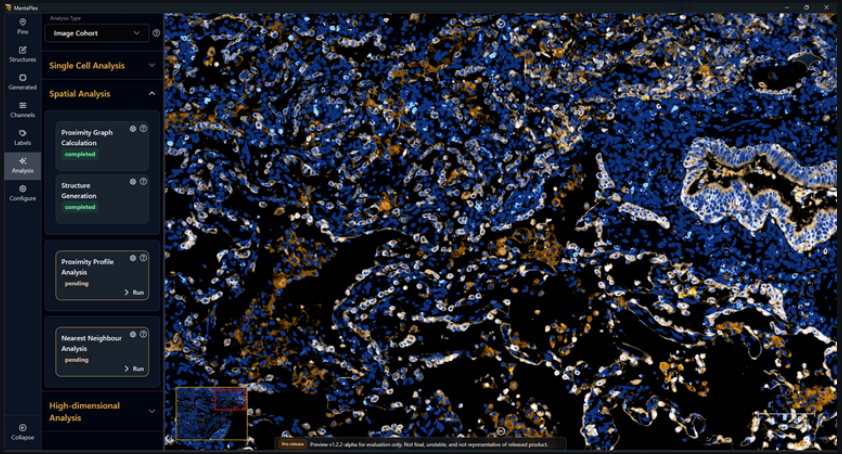
# Tissue analysis software



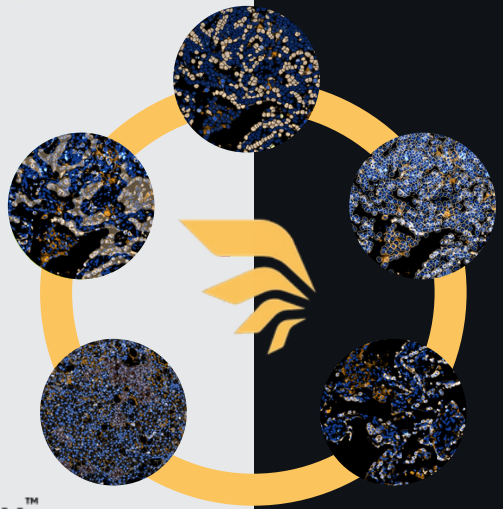

Allows researchers to profile biomarker expression and understand cell:cell interactions at the single-cell level across complex tissue architectures

# Unique Analysis Solution

**Intuitive guided workflow** throughout the analysis pipeline.

**In-app results:** Dashboard to easily view summary data.

**Runs locally** without cloud-based computing.



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**State-of-the-art algorithms** for segmentation, classification and spatial analysis.

**Smooth, seamless** handling of whole-slide images.

**User-friendly** interface with no coding required

# Unlock Spatial Insights

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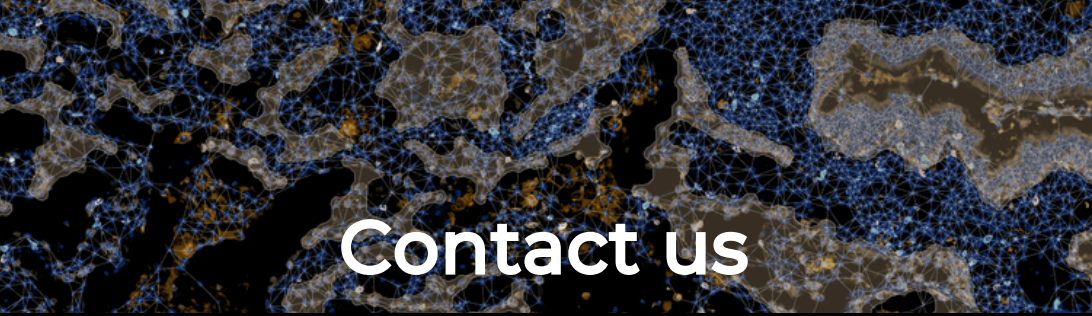

# Contact us


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