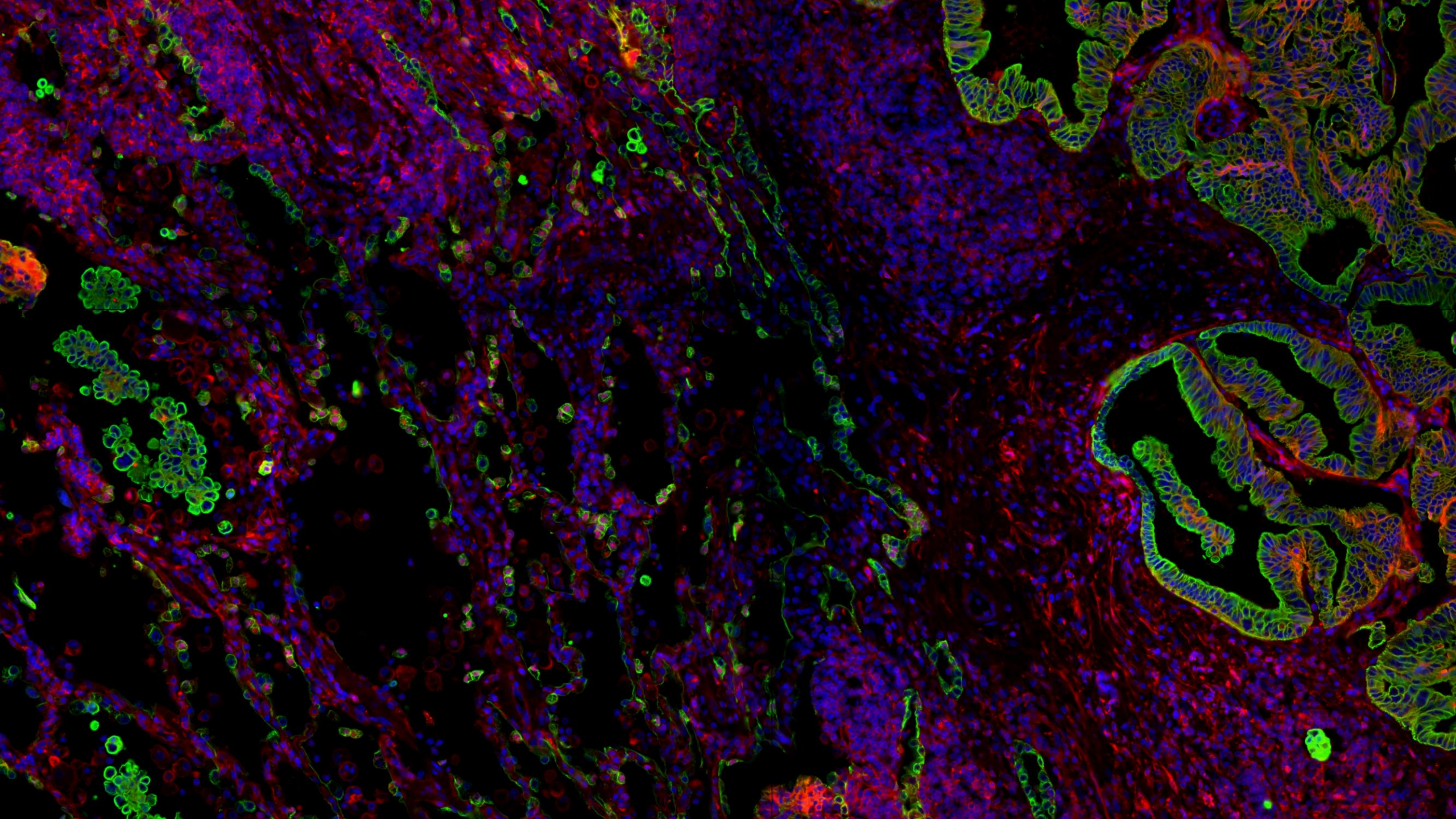
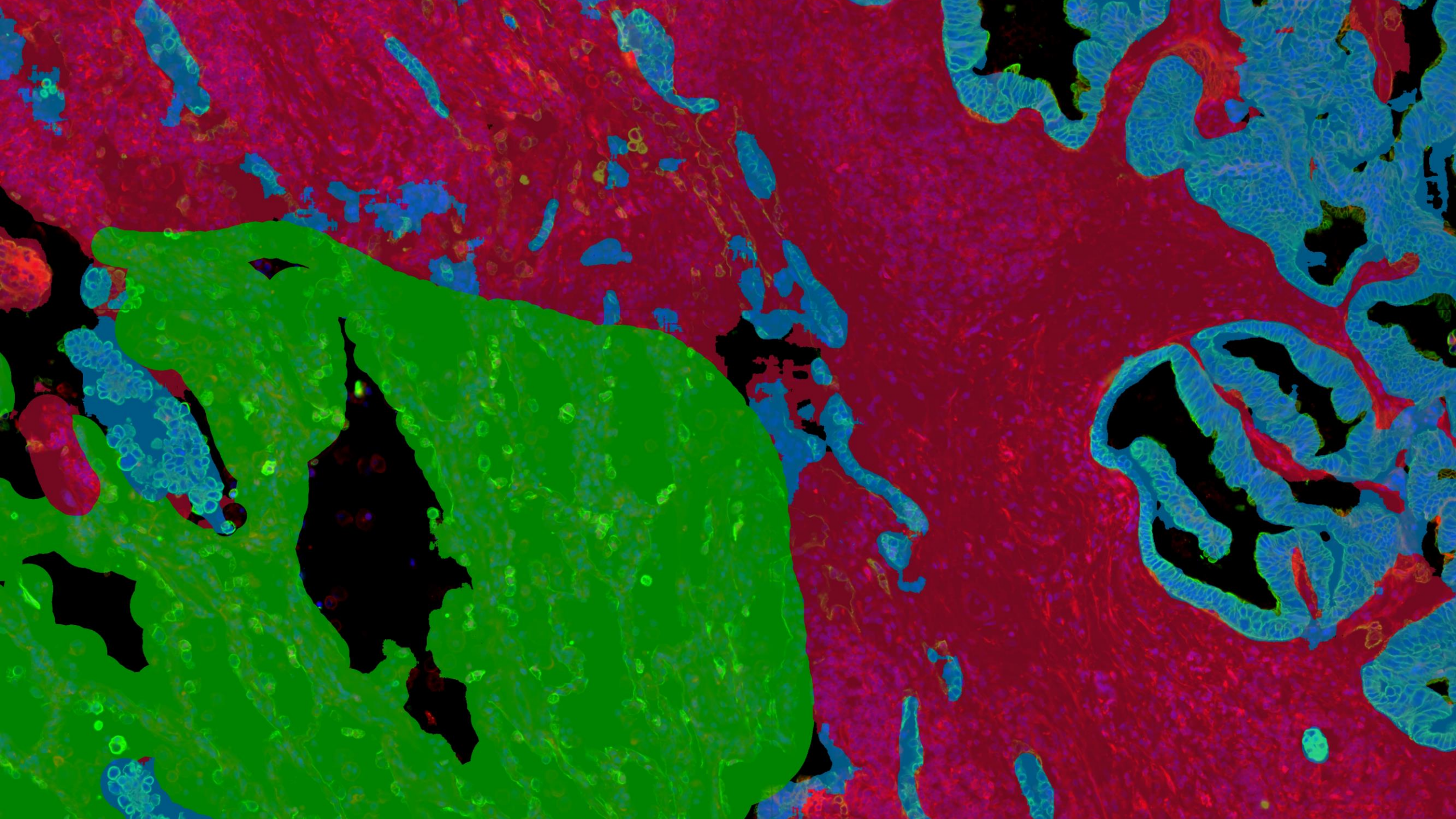
ariadne.ai

SPATIAL

Oncology applications

Learn more at https://ariadne.ai/spatial





Detailed tumor analysis with ariadne.ai SPATIAL

- Multi-omics support
- Automated cell type detection
- Tissue detection based on nuclei, independently of proteome and transcriptome
- Non-rigid registration of staining cycles or consecutive slices (including H&E with fluorescent staining)
- Tissue based quantification of any marker, including morphological markers
- Cloud based: access your data anywhere and share with collaborators
- Multiple statistical analysis features
- Accurate cell segmentation
- Custom features on request

Center: Tissue classification based on DAPI. Our proprietary nucleus-only tissue classification automatically assigns the correct tissue types independently of your marker panel. That way, you do not have to worry about bias or reserving slots in you marker panel.

Left: Section from non small cell lung cancer
Blue: DAPI
Green Pan-Cytokeratin
Red: CD45

Many questions, one answer: SPATIAL uncovers the tumor in detail

What is the percentage of tumor cells in my tissue?

What is the percentage of functional organ tissue?

Is the immune system infiltrating my tumor?

How do I compare gene expression in each tissue?

Are there one or multiple tumor phenotypes?

Which cell types constitute the tumor microenvironment?

Testimonials

Super responsive

The ariadne.ai team was always there to handle our custom requests quickly and with great scientific rigor. Their neuron and glia segmentation is fantastic.

Dr. Bahareh Ajami
Assistant Professor
Oregon Health and Science University

Great segmentation

Their neuron and glia segmentation is the best I've seen yet.

Dr. Oliver Braubach
Director of RD
Canopy Biosciences

Beautiful segmentation

Ariadne.ai has repeatedly and consistently produced beautiful, top-notch segmentations on the 3D data we generated.

Dr. C. Shan Xu
Professor of Cellular & Molecular Physiology
Yale School of Medicine

Scientifically excellent

They supported our lab's immuno-oncology work from start to finish. We had some challenging data for them, and they tuned their registration and segmentation to handle it perfectly.

Dr. Ferdinando Pucci
Assistant Professor
Oregon Health and Science University