ariadne.ai
SPATIAL | **Neuropathology applications**
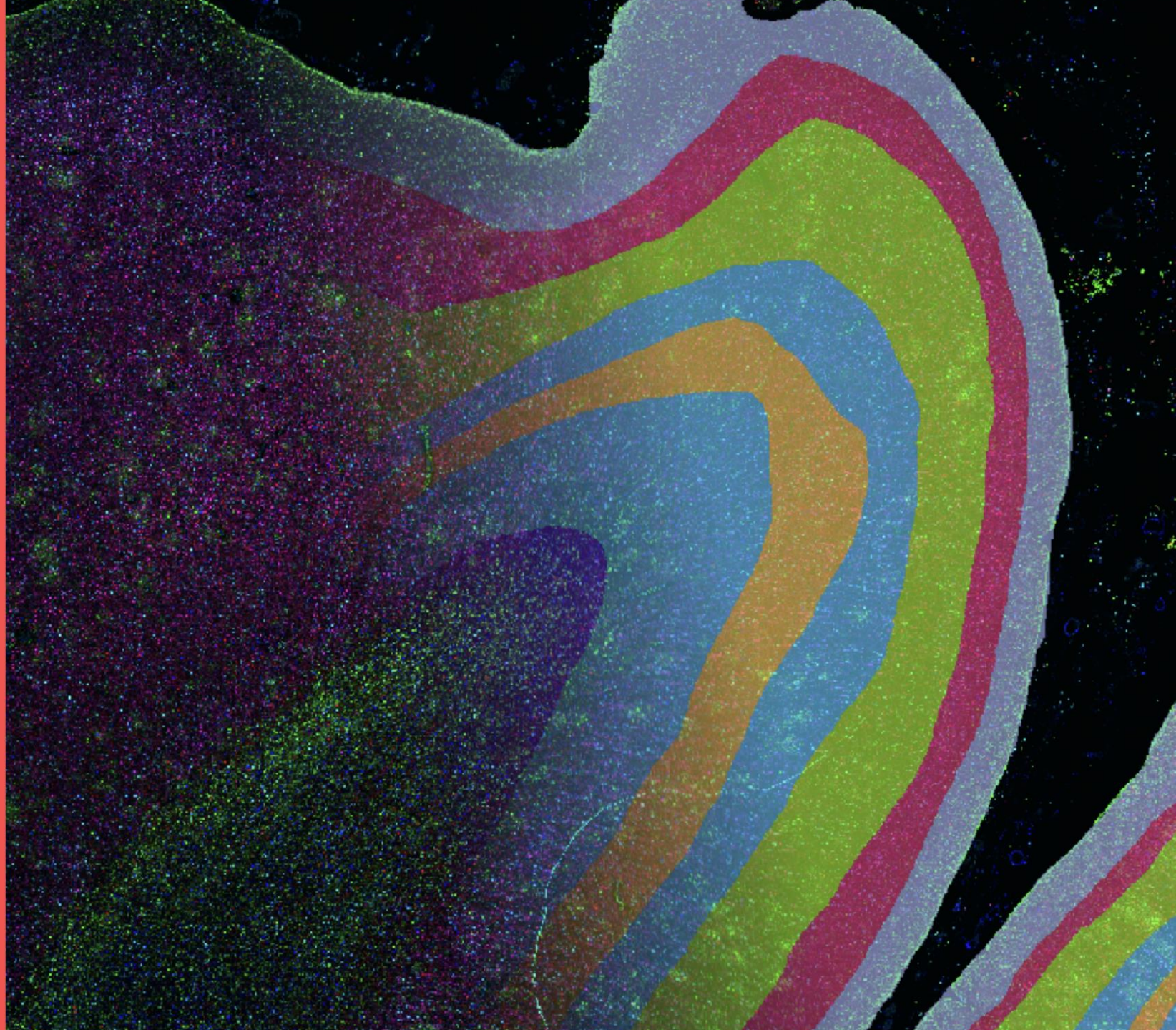
Learn more at https://ariadne.ai/spatial

Neuroanatomy

Cortical layer segmentation as key to uncover structural changes of the brain.

Easily quantify cells and structures (e.g. Aß-plaques, lewy bodies) for each cortical layer separately.

Layer based spatial multi-omics analysis allows you to compare expression differences between cortical layers.

Precise analysis of neurons and glia

How do cells of a certain cell type change in morphology in diseased tissue?
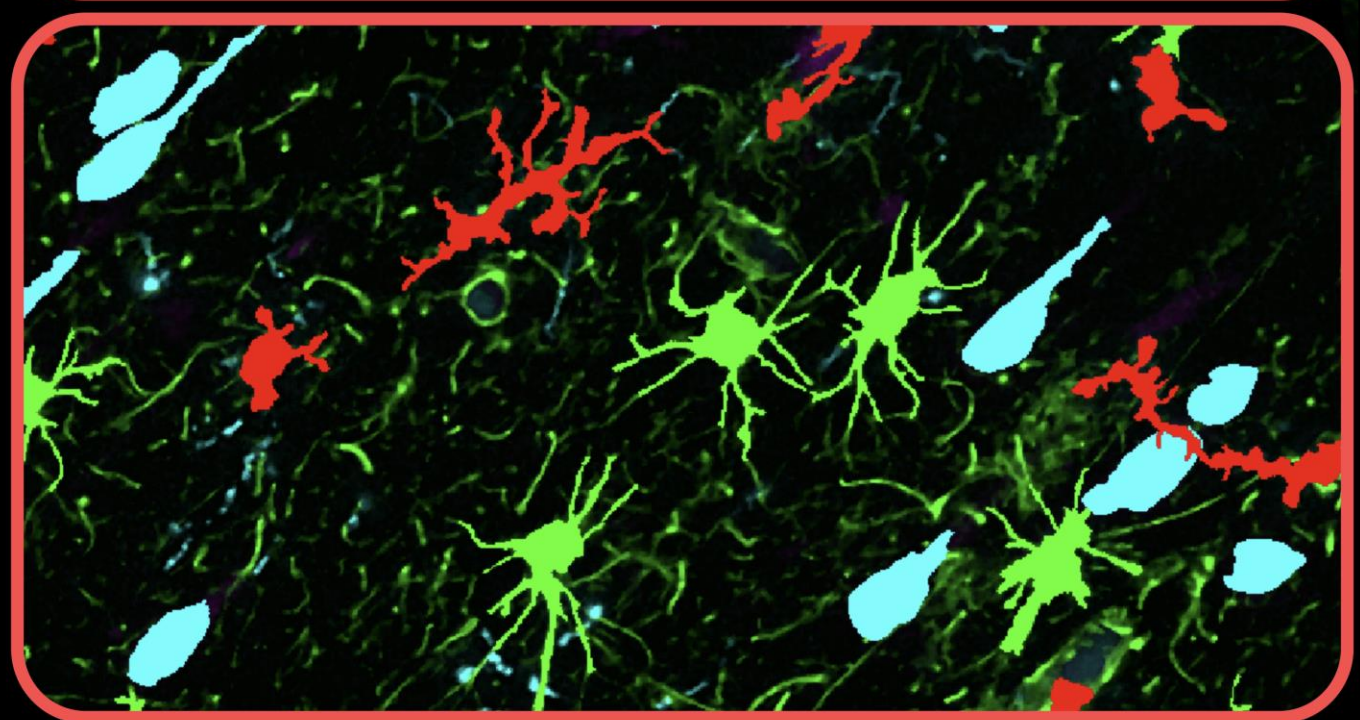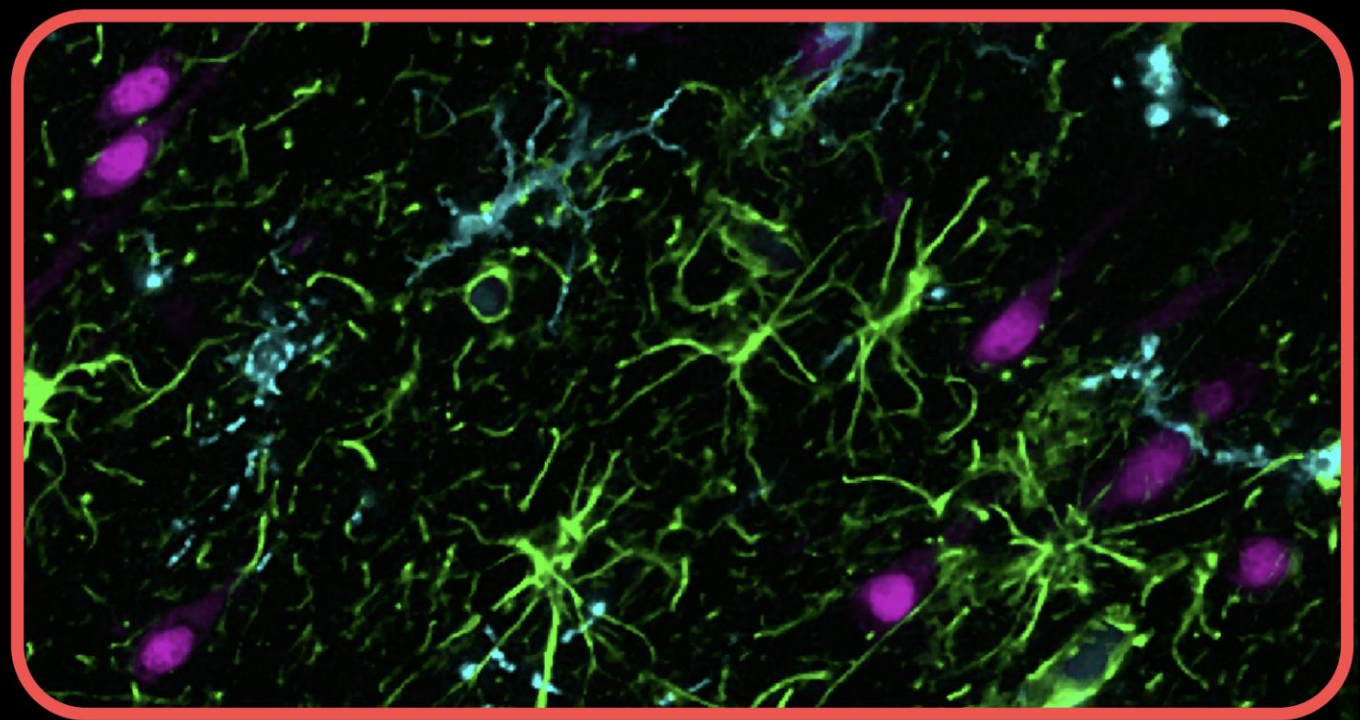
How do they change in gene and protein expression?

Which cell types colocate with plaques?

NeuN · segmentation

GFAP · segmentation

IBA1 · segmentation

Quantify neuropathological features like plaques and lewy bodies
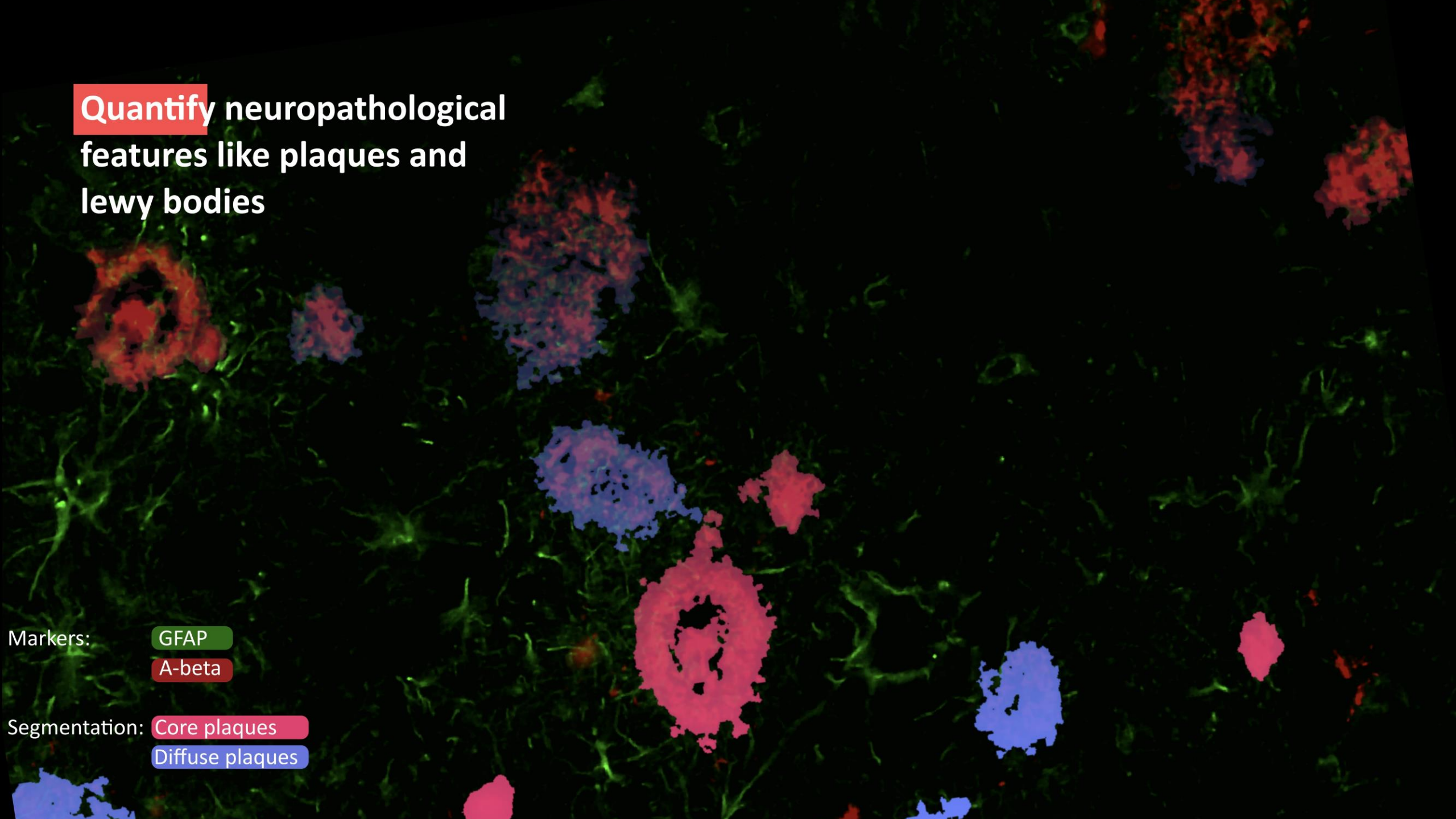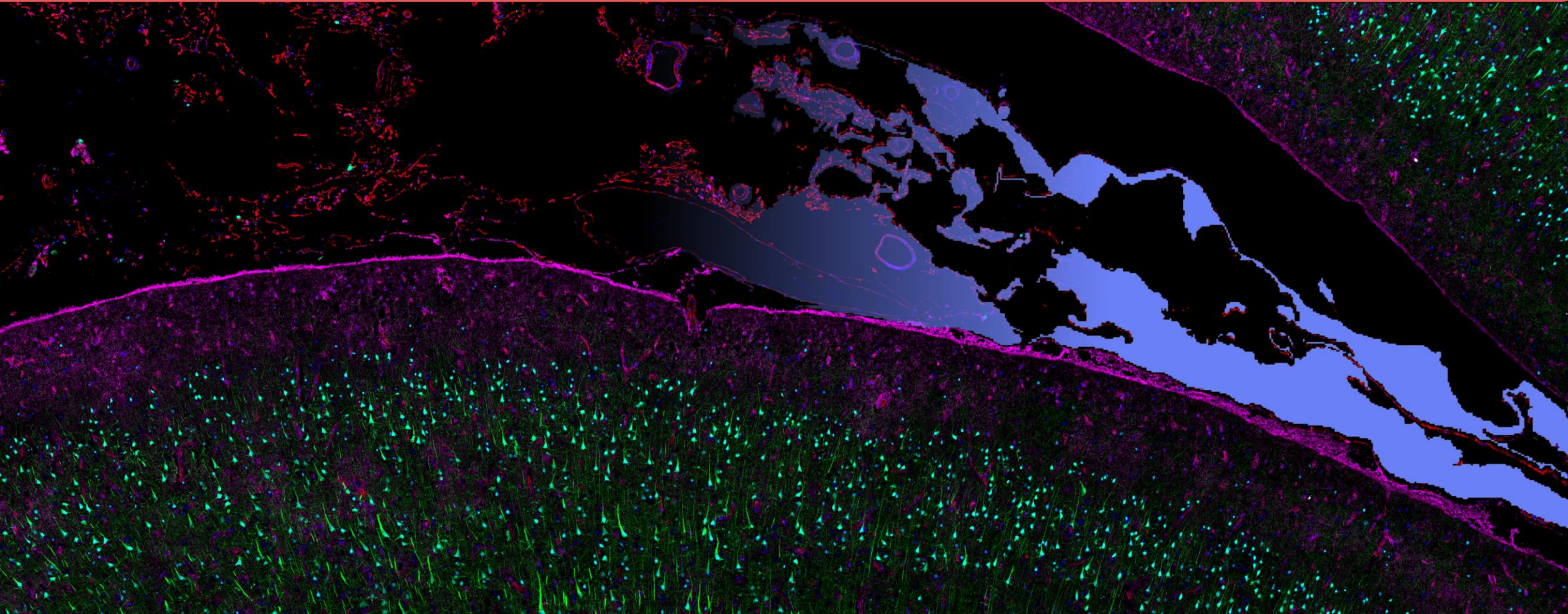
Markers: GFAP
A-beta

Segmentation: Core plaques
Diffuse plaques

Leptomeninges

Segmentation of the leptomeninges allows you to uncover the leptomingeal arteries for detection of cerebral amyloid angiopathy.

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