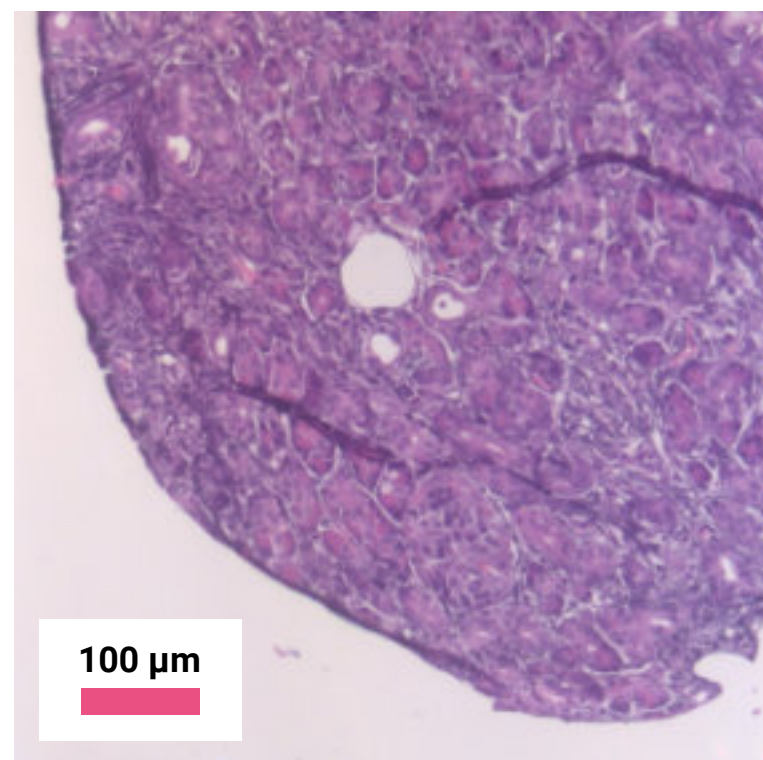
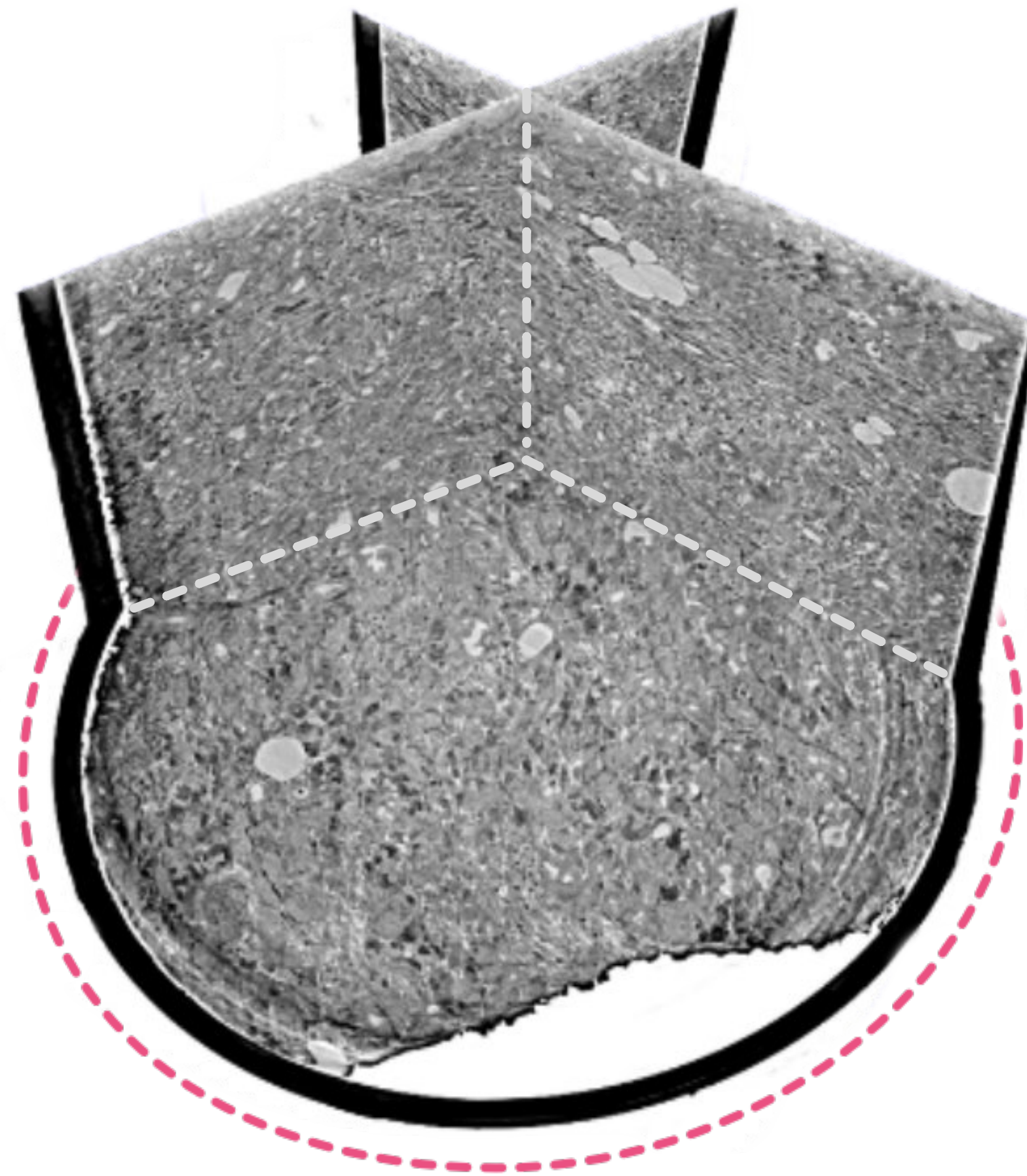


# Histomography<sup>®</sup>

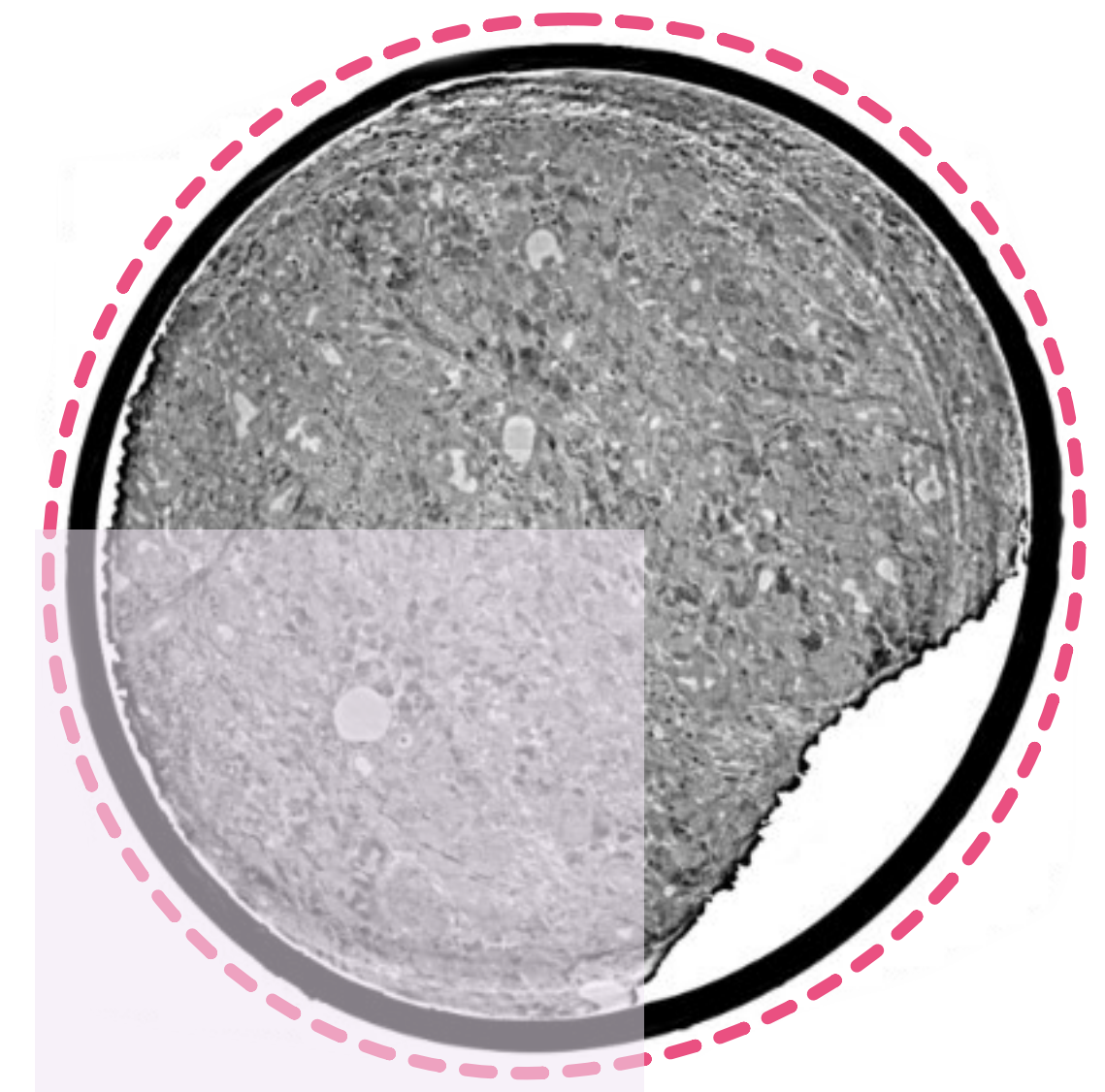
The Third Dimension for Histology



**2D classical histology**  
(HE stain)



**3D tissue data**  
(electron density, no stain)



**Virtual section**  
through 3D data

# Histomography®

## Introducing the Third Dimension of Tissue Examination

Have you ever thought about why we examine 3D cells and organs with only 2D sections? Well, we did, and that's why we created Histomography.

Our innovative approach provides **easy access** to 3D tissue data at **subcellular resolution**, granting unparalleled insights into the structure and function of biological tissue. With Histomography, you can benefit from **quantitative** and automated analysis, unlocking endless possibilities.

## Easy and Convenient

Histomography is a **tissue-retaining** x-ray technique that can be effortlessly integrated into your histological workflow for **paraffin-embedded samples**. Unlike conventional histology, there is **no need for staining**. Plus, because it's non-destructive, Histomography is compatible with conventional histological analysis.

Gefördert durch:



Zusammen. Zukunft. Gestalten.



aufgrund eines Beschlusses des Deutschen Bundestages

## References

- 1) Eckermann et al., eLife [doi.org/10.7554/eLife.60408](https://doi.org/10.7554/eLife.60408)
- 2) Jonigk et al., Dtsch Arztebl Int [doi.org/10.3238/arztebl.m2022.0231](https://doi.org/10.3238/arztebl.m2022.0231)
- 3) Reichardt et al., eLife [doi.org/10.7554/eLife.71359](https://doi.org/10.7554/eLife.71359)
- 4) Frohn et al., J Synchrotron Radiat [doi.org/10.1107/s1600577520011327](https://doi.org/10.1107/s1600577520011327)
- 5) Töpferwien et al., NeuroImage [doi.org/10.1016/j.neuroimage.2020.116523](https://doi.org/10.1016/j.neuroimage.2020.116523)
- 6) Eckermann et al., PNAS [doi.org/10.1073/pnas.2113835118](https://doi.org/10.1073/pnas.2113835118)

## Fits Your Field of Interest

Histomography empowers you to investigate and analyze the structure of any organ system.

Pioneering studies using 3D histological data have improved the understanding of Covid-19 in lung<sup>1,2)</sup> and heart<sup>3)</sup> tissue, characterized pancreatic tumors<sup>4)</sup>, and shed light on the effects of Alzheimer's disease.<sup>5,6)</sup>

## Join Us on Our Journey

**Get in touch with us** - we are excited to hear about your specific needs and ideas.

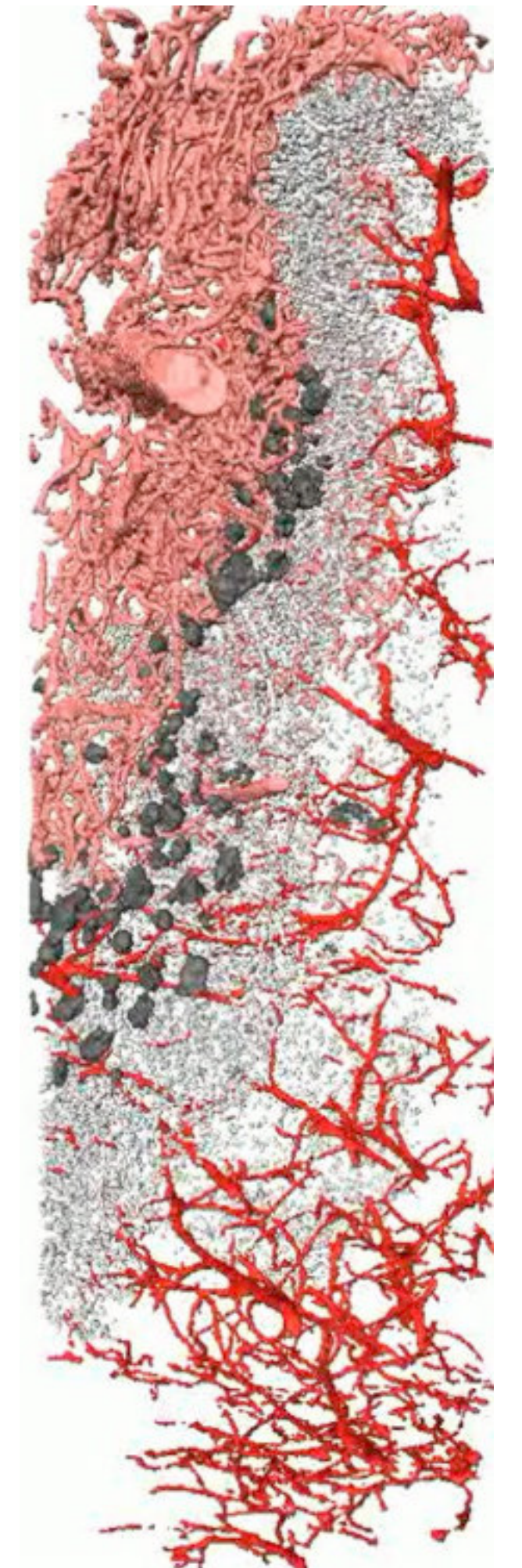
**Ask for a demonstration** - enter the world of 3D tissue data directly inside your browser.

**Request a demo scan** - do you have an intriguing tissue sample?

Let's work together to unleash the full potential of Histomography for research and clinical diagnostics.

[info@histomography.eu](mailto:info@histomography.eu)

[www.histomography.eu](http://www.histomography.eu)



Brain tissue visualisation <sup>5)</sup>