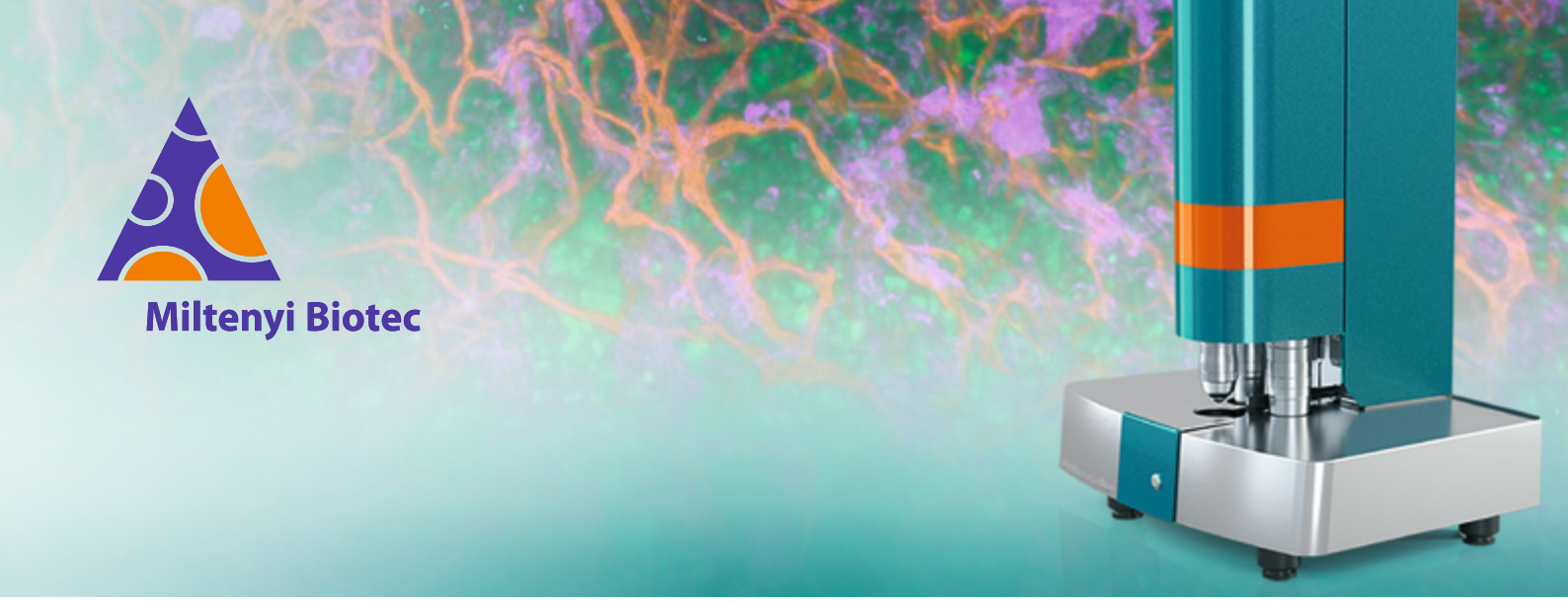

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Selected references

Cancer pathology and immuno-oncology research with the UltraMicroscope

2023

Loraine, J. *et al.* (2023) An *in vivo* avian model of human melanoma to perform rapid and robust preclinical studies. EMBO Mol. Med. e16629.
https://dx.doi.org/10.15252/emmm.202216629

2022

Dounia Ben, A. *et al.* (2022) Environmental cues from neural crest derivatives act as metastatic triggers in an embryonic neuroblastoma model. Nat. Commun. 13: 2549.
https://doi.org/10.1038/s41467-022-30237-3

Fischer, A. *et al.* (2022) Neutrophils direct preexisting matrix to initiate repair in damaged tissues. Nat. Immunol. 23: 518–531.
https://dx.doi.org/10.1038/s41590-022-01166-6

Guillot, J. *et al.* (2022) Sympathetic axonal sprouting induces changes in macrophage populations and protects against pancreatic cancer. Nat. Commun. 13: 1985.
https://dx.doi.org/10.1038/s41467-022-29659-w

2021

Adori, C. *et al.* (2021) Disorganization and degeneration of liver sympathetic innervations in nonalcoholic fatty liver disease revealed by 3D imaging. Sci. Adv. 7: eabg5733.
https://dx.doi.org/10.1126/sciadv.abg5733

Geng, J. *et al.* (2021) 3D microscopy and deep learning reveal the heterogeneity of crown-like structure microenvironments in intact adipose tissue. Sci. Adv. 7: eabe2480.
https://dx.doi.org/10.1126/sciadv.abe2480

2020

Brody, K. *et al.* (2020) A new method for three-dimensional immunofluorescence study of the cochlea.
Hear. Res. 392: 107956.
https://doi.org/10.1016/j.heares.2020.107956

Buglak, N. E. *et al.* (2020) Light sheet fluorescence microscopy as a new method for unbiased three-dimensional analysis of vascular injury. Cardiovasc. Res. 117: 520–532.
https://doi.org/10.1093/cvr/cvaa037

Zhao, S. *et al.* (2020) Cellular and molecular probing of intact human organs. Cell 180: 796–812.e19.
https://doi.org/10.1016/j.cell.2020.01.030

Zhu, J. *et al.* (2020) MACS: Rapid aqueous clearing system for 3D mapping of intact organs. Adv. Sci. 1903185.
https://doi.org/10.1002/advs.201903185

2019 and earlier

Esterházy, D. *et al.* (2019) Compartmentalized gut lymph node drainage dictates adaptive immune responses.
Nature 569: 126–130.
https://doi.org/10.1038/s41586-019-1125-3

Pan, C. *et al.* (2019) Deep learning reveals cancer metastasis and therapeutic antibody targeting in the entire body.
Cell 179: 1661–1676.e19.
https://doi.org/10.1016/j.cell.2019.11.013

Belle, M. *et al.* (2017) Tridimensional visualization and analysis of early human development. Cell 169: 161–173.e12.
https://doi.org/10.1016/j.cell.2017.03.008

Breckwoldt, M. *et al.* (2016) Correlated magnetic resonance imaging and ultramicroscopy (MR-UM) is a tool kit to assess the dynamics of glioma angiogenesis. eLife 5: e11712. *https://dx.doi.org/10.7554%2FeLife.11712*

Pan, C. *et al.* (2016) Shrinkage-mediated imaging of entire organs and organisms using uDISCO. Nat. Methods 13: 859–867. *https://doi.org/10.1038/nmeth.3964*

Dobosz, M. *et al.* (2014) Multispectral fluorescence ultramicroscopy: three-dimensional visualization and automatic quantification of tumor morphology, drug penetration, and antiangiogenic treatment response. Neoplasia. 16: 1–13. *https://doi.org/10.1593/neo.131848*

Renier, N. *et al.* (2014) iDISCO: A simple, rapid method to immunolabel large tissue samples for volume imaging. Cell 159: 896–910. *https://doi.org/10.1016/j.cell.2014.10.010*

Tainaka, K. *et al.* (2014) Whole-body imaging with single-cell resolution by tissue decolorization. Cell 159: 911–924. *https://doi.org/10.1016/j.cell.2014.10.034*

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