



CUNY ASRC

MALDI IMAGING (TISSUE HISTOLOGY)

FACILITY

About

The MALDI Imaging (Tissue Histology) Facility is a joint facility between the CUNY ASRC Structural Biology and Neuroscience Initiatives. It is the first core facility with MALDI-TOF MS imaging capacity in the New York metropolitan area and provides MALDI imaging services that include sample preparation, matrix coating, MALDI-MS profiling, and imaging/data analysis.

MALDI-MS imaging is a powerful tool for label-free in situ profiling of metabolites, lipids, small molecules, and proteins. We welcome users from CUNY, non-CUNY academic and research institutions, and start-up and established companies. **Learn more about the MALDI Imaging (Tissue Histology) facility at <https://bit.ly/3Lj3cU7>**

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Location

85 St. Nicholas Terrace
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Available Instrumentation

Bruker Neoflex MALDI TOF-TOF

- Highest spatial resolution up to 20 μm
- Mass accuracy < 10 ppm with internal calibrant

Bruker timsTOF fleX MALDI-2 with microGRID

- Highest spatial resolution up to 5 μm
- Mass accuracy < 5 ppm

HTX M5 Matrix Sprayer

- Proprietary technology providing fine matrix droplets (5 -10 μm)

Leica Aperio CS2 Slide Scanner

- 20x/0.75 NA Plan Apo (40x scanning with 2x optical magnification changer)

SCiLS MALDI Imaging Analysis Workstation

- Instant visualization of ion images, spectra, statistical analysis, and visualization of imaging data

About the CUNY ASRC

The [Advanced Science Research Center](#) at the CUNY Graduate Center (CUNY ASRC) is a world-leading center of scientific excellence that elevates STEM inquiry and education at CUNY and beyond. The CUNY ASRC's research initiatives span five distinctive, but broadly interconnected disciplines: nanoscience, photonics, neuroscience, structural biology, and environmental sciences. The center promotes a collaborative, interdisciplinary research culture where renowned and emerging scientists advance their discoveries using state-of-the-art equipment and cutting-edge core facilities.

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