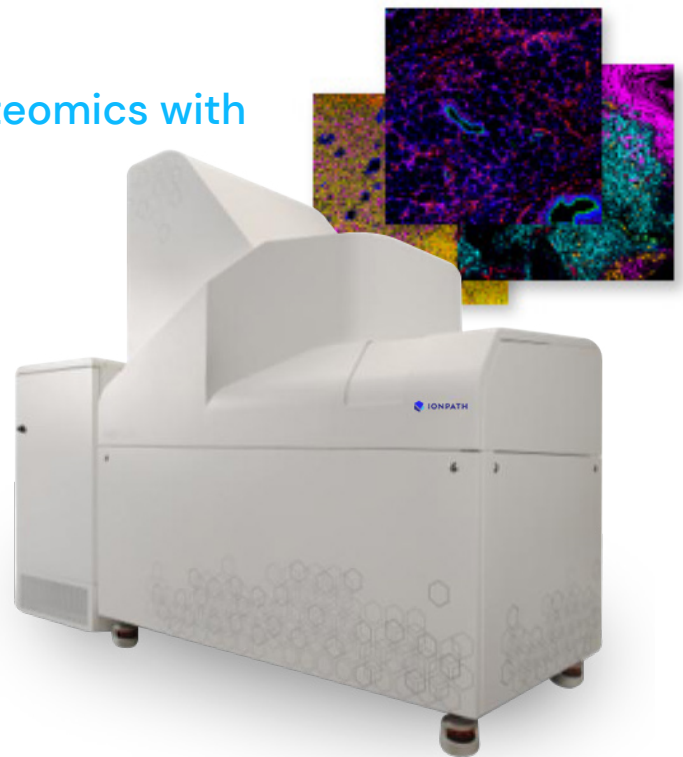


Welcome to a New Era in Spatial Proteomics with

MIBIScope™ 3.0

Discover new, actionable insights with spatial proteomics at subcellular resolution.



Unlock Biological Insights with Precise Spatial Data

Understanding mechanisms of action within tissue architecture demands an instrument that delivers precise spatial data, uncovers cellular neighborhoods, visualizes protein expression patterns, and reveals tissue architecture with unmatched accuracy.

Ionpath's latest innovation, MIBIScope 3.0, is a cutting-edge Multiplexed Ion Beam Imaging (MIBI) platform that leverages mass spectral imaging (MSi) and Secondary Ion Mass Spectrometry (SIMS) to deliver unparalleled multiplexed spatial analysis at the subcellular level. MIBIScope 3.0 empowers researchers to capture both the spatial and molecular complexity of biological samples, revealing novel cellular interactions, tissue architecture, and disease mechanisms across a broad range of tissues and disease states.

With MIBIScope 3.0, researchers benefit from advanced features designed to optimize workflows and enhance discoveries, including:

- **Walk away capability**

Predefined workflows and intuitive software design enable users of all experience levels to easily generate high-quality data.

- **Adjustable scanning speed and resolutions**

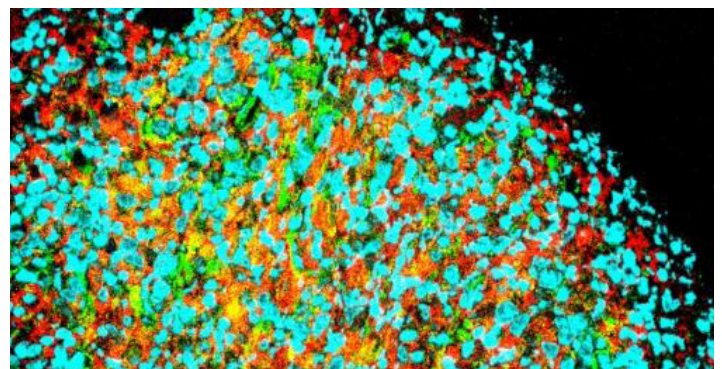
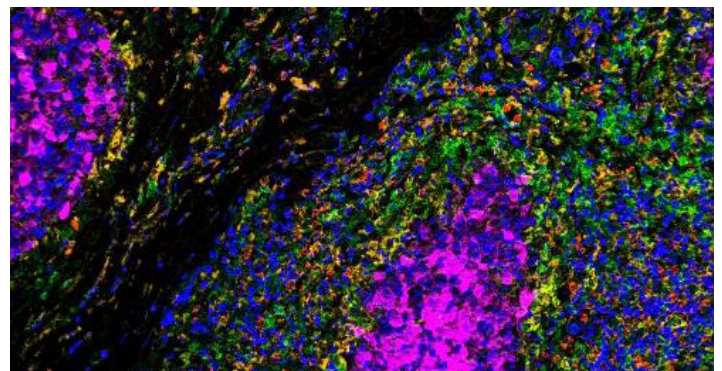
Tailor imaging conditions to suit your research needs.

- **Higher sensitivity and subcellular resolution**

Clearly detect medium- and low-abundance proteins.

- **Highly multiplexed in situ images**

Visualize up to 40 biomarkers simultaneously and capture multiple regions of interest with ease.



Operational Simplicity Unlocks More Insights

In addition to delivering subcellular spatial resolution and the ability to rescan tissues for precise imaging depth, MIBIScope 3.0 is engineered to provide a truly user-friendly experience. Its enhanced system architecture boosts uptime and throughput, driving overall efficiency.

Key improvements include:

- **Quick and seamless maintenance**

Designed to minimize downtime and keep the system running smoothly, maximizing your data production with minimal interruptions.

- **Walk-away mode**

While the system continues working on uncovering your next spatial insight, your team can focus on analyzing data or advancing other projects, maximizing productivity.

Paired with exceptional data quality and deep insights into tissue environments, MIBIScope 3.0 empowers your spatial biology research to reach the next level.

Unlock the Full Potential of Your Data with Optimized Reagents

To fully harness the power of the MIBIScope 3.0, lonpath offers a comprehensive suite of reagents that are essential for achieving the highest quality multiplexed imaging results. This suite includes carefully selected antibodies, conjugation kits, and slides, all optimized for high-sensitivity detection of your biomarkers.

By integrating these reagents into your workflow, you ensure consistent and reproducible results that reveal deeper spatial insights and more precise visualization of spatial patterns. lonpath's reagent suite provides researchers with a complete, end-to-end solution, enhancing data clarity and precision while accelerating your research progress.



Explore the Impact

Case Study: Uncovering Insights in Diffuse Large B-Cell Lymphoma with MIBIScope

Case Study: Breast Cancer: MIBI Spatial Proteomic Signatures of Progression

Immune profiling and tracking of two-dimensional transition metal dichalcogenides in cells and tissues

Identification of cells of leukemic stem cell origin with non-canonical regenerative properties

Want to learn how
MIBIScope 3.0 can
enhance your research?



Contact us