











Slides with matrix applied by vacuum sublimation.

Deposition of the matrix compound is at the molecular level because gaseous molecules recrystallize at the relatively cold surface of the tissue section attached to the cold condenser.

The uniformity of matrix deposition onto the slide attached to the cold condenser surface reflects the random Brownian motion of the released gaseous matrix molecules.

































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Other projects using SWATH lipidomics and MALDI-IMS.

Cosmic radiation effects on vascular inflammation and atherosclerosis risk (NASA).

New therapeutic lipoprotein mimetic peptides (NIH) (Drs. Roger White and Anantharamaiah, UAB).

Vascular Lipidomic Alterations in Mice Associated with Adhesive Effects of Heavy-Ion Space Radiation and Potential Consequences for Radiation-induced Atherosclerosis.





























