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Thermo Fisher launches cutting-edge solutions for omics, biopharma and environmental workflows

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New analytical instruments and innovative software to drive breakthroughs in biopharmaceutical discovery



Thermo Fisher Scientific has unveiled state-of-the-art solutions at the annual American Society for Mass Spectrometry (ASMS) Conference on Mass Spectrometry and Allied Topics, held in the US. These next-generation instruments and software offerings represent a paradigm shift in analytical performance – designed to reveal complex biological processes and critical insights into disease mechanisms that can transform multiomics, biopharma, environmental and food safety research.

The company has introduced two mass spectrometry instruments that deliver unrivaled analytical performance and speed to uncover complex biological processes that could lead to advancements in precision medicine and significant insights for complex diseases like Alzheimer's and cancer. The company has also unveiled the Thermo Scientific™ OptiSpray™ technology (as seen in the image) to empower omics researchers of all experience levels to generate reliable, high-quality LC-MS data with ease and expedite critical discoveries.

As laboratories work to boost productivity and efficiency, the demand has never been greater for software that seamlessly connects data, applications, and instruments. Thermo Fisher has introduced several enhancements to its connected technology offerings to meet the needs of scientists today, providing advanced applications and critical compliance across research settings from life science discovery to improved water quality testing.

For instance, Thermo Scientific™ Chromeleon™ 7.4 software offers the first scalable, networked software platform to fully support targeted, quantitative MS workflows across Thermo Fisher's instruments, such as the Thermo Scientific Stellar MS. Thermo Scientific™ Proteome Discoverer™ 3.3 software now supports targeted proteomics data and automated processing of fractions with the Thermo Scientific Ardia™ Platform.

Also, the Thermo Scientific™ Compound Discoverer™ 3.5 update includes algorithm and detection advancements to improve lipid application support while integrating the advanced Thermo Scientific™ Mass Frontier™ 8.1 software's algorithm, enhancing *in-silico* fragmentation prediction.