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Cerno Bioscience Unveils New Suite of Mass Spectrometry Software Solutions

LAS VEGAS, Nevada (February 26, 2023) – Cerno Bioscience will unveil a new suite of vendor-neutral mass spectrometry software solutions at booth #2922, PITTCON, February 26 – 28 2023, San Diego, California, with the latest version of its award-winning MassWorks™ Version 7.0 mass spectrometry software and SAMMI (for Spectrally Accurate Modeling of Multiply charged Ions), an entirely new approach for analyzing any large molecule, including peptides, oligos, and proteins.

MassWorks 7.0 is an easy-to-use post-acquisition software solution to achieve high mass accuracy and high spectral accuracy. This research-grade software provides the most advanced tools for unknown formula ID on both low and high-resolution MS instruments. Users can expect high mass accuracy on quadrupole GC or LC/MS (up to 0.005Da) and improved spectral accuracy on all systems up to 99.9%. MassWorks provides direct and accurate analysis of unresolved mixtures, e.g. isotope labeling and biologics modifications.

Cerno will also showcase SAMMI™, a revolutionary new tool for large molecule analysis. SAMMI can confirm sequences/formula, including multiple modifications and isotope labels. There is no limit to molecule size, large or small. Users can expect 10-50X improvements in mass accuracy on single or triple quadrupole instruments.

Cerno will give two oral presentations on February 27 at PITTCON 2022. ‘Accelerating the GC/MS Workflow for Non-Target Analysis’ will take place in Room (America/Vancouver) 30C at 11:00am, and ‘Improving Intact Mass Analysis of Large Molecules with Single Quadrupole MS through Spectrally Accurate Charge Deconvolution’ will take place in Room (America/Vancouver) 30E at 4:00pm.

In 2006, Cerno Bioscience made its PITTCON debut with the groundbreaking MassWorks™, winning the Editors’ Choice Bronze Award for ‘Most Innovative Product’. This prestigious accolade is given to the best new product introduction for its contribution to the advancement of science, as judged by a panel of editors attending the show. The MassWorks™ software package was recognized by a panel of 16 editors for substantial improvements in mass accuracy on unit mass resolution mass spectrometers.



For more information, please contact Cerno Bioscience at marketing@cernobioscience.com, call +1 203-312-1150, or visit www.cernobioscience.com.

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About Cerno Bioscience

For over 20 years, our passion has been developing advanced mass spectrometry software technology to dramatically improve the accuracy of MS data. Our patented technologies enable our customers to accelerate their workflows and reduce costs while providing more confident answers.

For the first time, we can now accurately correct the MS signal to enable new solutions for more confident analysis of both small and large molecules. The analysis of complex mixtures such as labeled isotopes, large molecule adducts, and various modifications are easily and confidently unraveled and quantified. The technology applies to all MS instrumentation, from routine benchtops to state-of-the-art high-resolution instruments.

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