

Biognosys launches SpectroDive™ for MRM and PRM data processing

Smart peak picking algorithms enable the fastest and most reliable data analysis on the market

May 29, 2015 – Zurich-Schlieren (CH) – Biognosys AG, a Swiss Proteomics Company, announced today the launch of its [SpectroDive™](#) software for Multiple and Parallel Reaction Monitoring (MRM and PRM, respectively) mass spectrometry. SpectroDive™ features superior peak picking algorithms which allows the user to get actionable results from large datasets in less than an hour rather than days.

[MRM](#) is a well-established method for targeted proteomics and is primarily performed on triple quadrupole mass spectrometers, while its novel variant [PRM](#) was introduced only recently and is performed on the latest generation of high-resolution mass spectrometric instruments. Both methods allow for highly specific and sensitive quantification of proteins from nearly any biological sample. The bottleneck until now was the data analysis of large datasets, which required extensive manual curation. With SpectroDive™ Biognosys provides to the proteomics community a tool for fast and accurate analysis of targeted proteomics data, with minimal manual review required.

Moreover, SpectroDive™ enables automated MS method set-up, immediate and intuitive data visualization, customized reporting, fully automated quality control, and more. The detailed information on SpectroDive™ and its features can be found in the [software's manual](#).

The powerful principle behind SpectroDive™ is the unique [iRT concept](#) developed at Biognosys. iRT is an empirically derived dimensionless peptide-specific value determined relatively to a standard set of [iRT reference peptides](#) which allows precise prediction of peptide retention time on any chromatographic system.

SpectroDive™ shares the look and feel with Biognosys' successful Spectronaut™ software for data independent acquisition data. Together they enable a complete workflow from discovery to targeted proteomics.

SpectroDive™ Professional is freely available for academic researchers and can be obtained directly in the Biognosys' [online shop \(academic e-mail account is required\)](#), while commercial users are welcome to submit their order inquiry for an Enterprise license to [order\[at\]biognosys.ch](#). SpectroDive™ also represents a perfect platform for Biognosys' plug-and-play MRM Assay Panels (like [PlasmaDive™](#)).

About Biognosys

Biognosys is the leading proteomics company offering services and products for highly multiplexed protein quantification. Founded in 2008 as spin-off from the lab of proteomics pioneer Ruedi Aebersold at ETH Zurich, Biognosys is dedicated to transform life science with superior technology and software.

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