

# Press Release

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May 29, 2006

## **Shimadzu Biotech Announces Plans for ASMS 2006**

Shimadzu Biotech today announced it will launch the AXIMA-TOF<sup>2</sup><sup>TM</sup> as part of its exhibition plans for the 54<sup>th</sup> ASMS Conference on Mass Spectrometry (May 28 to June 1, Seattle, USA).

Designed with flexibility in mind, the AXIMA-TOF<sup>2</sup> is not just for proteomics – polymers, oligonucleotides, SNPs, metabolites, carbohydrates and small molecules can all be analyzed and processed. Intuitive software is included as part of the package, incorporating data-dependent workflows for achieving the maximum results with minimal user input. The AXIMA-TOF<sup>2</sup> delivers flexibility in an ergonomic, robust, and reliable research-grade system that can be operated manually or fully automated to allow the seamless analysis of as few or as many samples as required.

“We recognize that sensitivity is by far the most important performance specification for the modern biological lab. The AXIMA TOF<sup>2</sup> mass spectrometer takes full advantage of the curved field reflectron technology to deliver high energy collision induced dissociation (CID) data without the need for post-acceleration. Ion scattering is minimized, utilizing a totally grid-less ion path and

helium as the collision gas of choice”, says Dr. Emmanuel Raptakis, Product Manager.

Shimadzu will feature several other products at its booth (#115) as well as in its hospitality suite (Westin Hotel, Grand III-FGH). Those products include:

**Prominence High-Throughput (featured in booth)** - The ideal HPLC for Fast LC applications, the Prominence High-Throughput features high pump motor resolution (3nL/step), stable and reliable temperature control, ultra-fast 10-second injection speed with excellent accuracy and low carryover via the SIL-20 Autosampler, and a fast response UV detector. The inclusion of Shimadzu’s new Shim-pack XR-ODS column increases analysis speed while decreasing back pressure.

**QP-2010 Plus Gas Chromatograph/Mass Spectrometer (display available in hospitality suite)** – Featuring an extended mass range (from 1.5 to 1090 m/z) to allow the analysis of higher mass compounds, and an enhanced ion source temperature range (from 100 to 300 C) to increase flexibility and reduce maintenance, the QP-2010 Plus is the next evolutionary step of Shimadzu’s QP-2010 Series. Dual turbo pumps provide increased sensitivity and column flow capacity, showing twice the sensitivity for Octafluoronaphthalene (OFN) and triple the sensitivity in Electron Impact (EI) and Negative Chemical Ionization (NCI) modes over the previous model.

Shimadzu will feature the following in its hospitality suite in the Westin Hotel, 1900 5th Avenue (Grand III-FGH), which will open at 6:30 p.m. Monday and Tuesday evenings:

- AXIMA-TOF<sup>2</sup> MALDI Mass Spectrometer
- AXIMA-QIT MALDI Mass Spectrometer
- CHIP Chemical Printer
- LCMS-IT-TOF Mass Spectrometer
- AccuSpot MALDI Plate Spotter
- LCMS-2010EV Mass Spectrometer
- *Prominence* High-Throughput HPLC
- Xcise Automated Gel Processing System

Shimadzu will offer a series of lunchtime seminars at the Grand Hyatt Seattle, Eliza Anderson Amphitheater, directly adjacent to the Convention Center:

**Tuesday, May 30, 2006**

12:30 – 1 p.m. MALDI-TOF: Thoughts on where we came from and where we are going. *Robert J. Cotter, Johns Hopkins University School of Medicine.*

1:00 – 1:30 p.m. Analysis of tumor cell lysates and serum using the QIT-TOF MS. *David M. Lubman, Maude T. Lane Professor of Surgery University of Michigan Medical Center.*

**Wednesday, May 31, 2006**

12:30 – 1 p.m. 2-D gel and Axima QIT are the necessary and sufficient combination for proteomic trajectory mapping of biological transformation and more: Power of QIT ultra-microanalysis in PMF and in PTM proteomics such as glycoproteomics and phosphoproteomics. *Hiro Matsumoto, PhD, Professor of Biochemistry and Molecular Biology, University of Oklahoma Health Sciences Center.*

1:00 – 1:15 p.m. A Unique Approach to High Energy MALDI CID MS/MS-Introducing the AXIMA TOF<sup>2</sup>. *Rachel Martin, PhD, Applications Manager, Shimadzu Biotech.*

1:15 – 1:30 p.m. Latest Applications for the Chemical Printer. *Joseph Fox, PhD, Proteomics Applications Chemist, Shimadzu Biotech*

Shimadzu also has presentations in such sessions as:

- High Throughput Analysis
- Carbohydrates/Oligosaccharides
- Proteomics: Sample Preparation and Methodologies
- Natural Products
- MALDI Tandem MS
- Peptides
- Lipids: Structural Analysis and Profiling

For more information about the new products and presentation schedule, please stop by Booth #115 during the conference, or visit [www.shimadzu-biotech.net](http://www.shimadzu-biotech.net).

#### **About Shimadzu Biotech**

Shimadzu Biotech is a strategic global brand of Shimadzu Corporation. Shimadzu Biotech is focused on providing integrated solutions for life science and drug development to accelerate the progress of biotechnology in research and development. Shimadzu Biotech represents a new way of thinking in the health and life science sectors by combining a core competence in instrument design and manufacture together with strategic partnerships to advance the development of knowledge in biotechnology. Product offerings include mass spectrometry integrated with enabling technology for high throughput analysis (MALDI, LC/MS, automated systems for analyzing gels with mass spectrometry) and specific solutions for DNA analysis (ranging from UV spectroscopy to chip-based electrophoresis) among a range of other offerings.

<p>For further editorial questions, please contact: Uta Steeger Shimadzu Europa GmbH, Albert-Hahn-Str. 6-10, 47269 Duisburg, Germany Tel.: +49 (0) 203-7687410, E-mail: <a href="mailto:us@shimadzu.de">us@shimadzu.de</a></p>
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Additional information is available on Shimadzu's website: [www.shimadzu.de](http://www.shimadzu.de)