

PRODUCTIVITY SERIES

BRING YOUR ANALYTICAL CHALLENGES TO OUR
INTERACTIVE APPLICATIONS WORKSHOP

collaborate with the experts
to **solve** your toughest analytical
challenges at a city nearby!

1

ion chromatography and atomic spectroscopy

2

gas chromatography and GC/mass spectrometry

3

liquid chromatography and LC/mass spectrometry

A Three-Track Learning Opportunity
Feel free to move between tracks.

A Three-Track Learning Opportunity
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3 liquid chromatography and mass spectrometry

Analytical laboratories are under constant pressure to improve the quality of data and increase productivity through workflow optimization. To meet these demands, we have many new innovative products that are designed to improve performance and boost productivity of the chromatography laboratory. Please join this session if you are working with HPLC and LC/MS in a pharmaceutical, clinical research, forensic toxicology, environmental, or food laboratory in an industrial, research or academic setting.

agenda

8:00 am Welcome and Continental Breakfast

9:00 am Select your track of interest – feel free to move between tracks

9:00 am Expanding Your HPLC and UHPLC Capabilities

Whether you use HPLC or UHPLC as a standalone system or as the front-end to your mass spectrometer come and learn how the Thermo Scientific Dionex UltiMate 3000 product line offers the most complete and flexible configurations for your analytical requirements. New products including a biocompatible UHPLC will be presented during this session.

9:40 am Trusted Solutions for Reliable LC Chromatography Analyses at Your Fingertips

Thermo Scientific has a complete chromatography portfolio from sample preparation to vials & closures to LC columns. We will explore all the resources available to achieve repeatable, predictable results separation after separation. We will highlight unique methods for sample clean-up, our new Thermo Scientific Accucore HPLC column phases utilizing core enhanced technology, and our new line of Thermo Scientific BioLC UHPLC columns for high resolution fast analysis of bio-molecules.

10:15 am Break

10:30 am Thermo Scientific Prelude SPLC System: A Novel On-Line Sample Preparation and Liquid Chromatography Platform for LC/MS Analysis in the Clinical Research Laboratory

Clinical research and toxicology laboratories have a need for reproducible, short HPLC methods on an easy to use and maintain HPLC separation platform. The Prelude™ SPLC system enables the user to perform on-line sample preparation using TurboFlow technology and UHPLC separations on two channels utilizing multiplexing. We will present performance data for several routine clinical research assays (ISD, Vitamin D, steroids, pain management) with reduced solvent consumption.

11:15 am Advances in Life Science Mass Spectrometry

Recent advances in life science mass spectrometry will be presented. Nominal and high resolution / accurate mass system technology improvements will be discussed including performance enhancements as well as novel workflow developments. Application of this latest technology in key market spaces will be highlighted.

12:00 pm Lunch

1:00 pm Applications Workshop

2:15 pm Break

3:30 pm Informal discussion and Wrap-up

See page 2 for Workshop abstracts

There is no charge to attend. Breakfast and lunch are provided.

Discover new analytical technologies

Thermo
SCIENTIFIC

A variety of
Applications Workshop
Topics available

Register today!

liquid chromatography and mass spectrometry

hot applications workshop topics

These interactive workshops will be driven by attendee preference.

A variety of topics will be available for discussion including development of new methods, simplifying workflows, increasing throughput, and important applications. Pick the option that best suits your needs.

Converting from HPLC to UHPLC Methods - Eliminating the "Guess Work"

In recent years, there has been a strong and continuing trend towards faster separations in high performance liquid chromatography (HPLC). A popular strategy is to use smaller particles in shorter columns while maintaining resolution. Chromeleon 7 has a method speedup tool that streamlines this process by using the known parameters of the conventional HPLC application to automatically optimize the instrument settings.

Method Scouting made Simple

Looking at developing new methods or simply trying out new columns to test for selectivity differences, a method scouting system used with Chromeleon 7 can streamline the efforts from the drawing board to the production site. We will look at the tools in place to that make method scouting easy to use.

Strengthening Chromatography Results using Mass Detection

Chromatographers achieve greater sensitivity, more definitive confirmation, shorter analysis times, and increased throughput by adopting mass detection. In this interactive session we'll discuss how to leverage the unique capabilities of mass detection to strengthen your laboratory's chromatographic results.

EASY-Spray Technology - the Plug-and-Play Interface with State-of-the-Art Performance

Are you new to nano flow LC? Looking for a more efficient separation for your proteomics samples? Learn about the new Easy-Spray emitter and new columns directly incorporated in the MS interface for applications from peptide mapping to biomarker validation.

LC/MS Analysis of Intact Monoclonal Antibodies

Monoclonal antibodies are commonly analyzed in both intact form and after cleavage as fragments by ion exchange and size exclusion chromatography. We will explore alternate ways of analyzing MAb's based on hydrophobicity to with high-resolution mass spectrometry to confirm accurate molecular weight and identify variants.

Chromeleon Goes MS: Building a Bridge between the World of Chromatography and Mass Spectrometry - The New Chromeleon Version 7.2

Faster separations have increased the amount of analytical data that must be processed and reviewed. The new Chromeleon version 7.2 combines its unparalleled data processing capabilities with the ability to control and process mass spectrometry data, ultimately boosting your lab's productivity and increasing the quality of your analytical results.



Thermo Scientific™ TSQ Vantage™ triple-stage quadrupole mass spectrometer with a Dionex™ UltiMate™ 3000 RS system



Thermo Scientific™ Dionex™ UltiMate 3000™ BioRS system



Thermo Scientific™ Velos Pro™ ion trap mass spectrometer with a Dionex™ UltiMate™ 3000 UHPLC system



Thermo Scientific™ Exactive Plus™

Discover new analytical technologies

To view the complete agenda, abstracts and extended list of applications for customizing your workshop visit

www.thermoscientific.com/productivity

This is a **FREE** event!



Thermo Scientific™ EASY-Spray™ Source



Thermo Scientific Accucore™ HPLC columns



Thermo Scientific Dionex™ Chromeleon™ Chromatography Data System software