

Special Events in the 2011 EAS Exposition Area

The following special exhibitor events will occur during the 2011 Eastern Analytical Symposium. Attendance at these events is limited to 2011 EAS registrants. For additional information, please contact the relevant exhibiting company.

Monday, November 14, 2011

Agilent Technologies

Davis Room – Garden State Exhibit Center Lobby

10:00 AM – 11:30 AM – New ICP-MS Speciation Techniques for Elemental Analysis

Noon – 2:00 PM – New Advances in Mass Spec. (Agilent Introduces the New 7200 Series QToF for GC/MS and the new 6550 Series Q-TOF for LC/MS)

Agilent's 7200 Q-TOF redraws the boundaries of GC/TOF technology by combining the separation power of Agilent's 7890A GC with the high-resolution spectral performance of a TOF analyzer. With its innovative ion source design, high temperature quartz mass filter, high efficiency collision cell, 32 Gbit/sec data sampling, and temperature-stabilized ADC TOF electronics, the Agilent 7200 Q-TOF delivers the highest detection selectivity and accurate molecular formula for structural confirmation. And that allows you to meet your toughest analytical challenges with confidence.

2:00 PM – 2:45 PM – The Most Significant Advance in Atomic Spectroscopy in Decades – the Agilent 4100 Microwave Plasma-Atomic Emission Spectrometer

2:45 PM – 3:30 PM – Bridging the Gap Between the Lab and the Field – Taking FTIR Solutions out of the Lab and into Your Hands – 2:45 – 3:30 p.m.

3:30 PM – 4:15 PM – High Performance UV-Vis-NIR Solutions for the Most Demanding Materials Testing and Research Applications

Educational Seminars Hosted by Supelco/Sigma-Aldrich (Booth #318)

Seminars will be held in the McDivitt Room of the Garden State Convention Center, Somerset, NJ

Join us for free educational seminars on HPLC. Learn from our experts. Content will be suitable for all experience levels. Copies of slides and notes will be provided to all registrants and a certificate will be awarded at completion of the seminars.

12:30 - 2:00 pm Introduction to HPLC and UHPLC (90 minutes)

The basic principles of high performance liquid chromatography (HPLC) and the history of particle development will be reviewed. Learn how recent innovations in column and instrument design have stimulated a name change to UHPLC, and how those changes can be advantageous for the development of new, faster methods. Discover the meaning of instrument band width (IBW) and how to measure it. Excessive sample band spreading outside of the column can disqualify an instrument from running modern LC methods. The pros and cons of moving to columns with smaller particles that require higher operating pressures will be reviewed. Potential problems that can be related to higher pressure operation will be discussed. Time will be available for questions and discussion.

2:30 - 4:00 pm Importance of Column Selectivity (90 minutes)

Learn important principles of retention for the reversed-phase (RP) HPLC mode, and what can be done when even ultra-high performance C18 columns do not provide adequate resolution. When should you stop changing mobile phases and evaluate different stationary phases? Polar RP bonded phases can interact more strongly with polar samples; solute-phase interactions that give rise to different column selectivity will be described. Sometimes changing from the highly popular RP mode to a different retention mode like hydrophilic interaction (HILIC) should be considered. A discussion of HILIC columns and mobile phases will be included. Appropriate column and mobile phase choices can lead to more rugged HPLC and UHPLC methods. An open discussion period will be included.

Special Events in the 2011 EAS Exposition Area

(Continued)

Tuesday, November 15, 2011

Metrohm USA

McDivitt Room – Garden State Exhibit Center Lobby

9:30 A.M. to 5:30 P.M.

9:30 A.M. – 10:30 A.M. – Electrodes for Titration and Advances in Rapid Surfactant Analysis

Did you realize how critical electrodes are to the accuracy and reproducibility of auto-titrators and pH meters? So much so, that using the wrong type or one that was improperly maintained can cause bad results. This seminar will teach you how to choose—and get the most out of—your Metrohm electrode. As an added bonus, find out about the quickest and easiest way to analyze for surfactant content with a messy Epton titration!

10:45 A.M. – 11:45 A.M. – Hexavalent Chromium – Demystified!

We'll debunk the common misconceptions—and teach you how to avoid the many pitfalls encountered when performing this analysis. We'll also discuss the recent findings by the Environmental Working Group and the latest news on EPA Method 218.6 testing procedures. This is a must-see for anyone interested in — and certainly performing — environmental analysis.

Noon – 1:00 P.M. – In Vial Moisture Analysis of Freeze Dried Samples and KF Troubleshooting

Find out how easy it is to actually measure the moisture content of lyophilized samples—in *their vials*—and get answers to all of your Karl Fischer titration questions in one convenient seminar!

1:15 P.M. – 2:15 P.M. – Perchlorate Analysis – Get Ready to Regulate

Hexachrome findings may have stolen headlines recently, but did you know that the USEPA has also proposed regulating Perchlorate in drinking water? Scientific research indicates that this naturally occurring and man-made chemical contaminant may impact the normal function of the thyroid. Because of our close association with the EPA, Metrohm IC's are perfectly suited to perform Methods 314.0 Enhanced, 332 and 6860. This seminar will demonstrate a number of simple and robust applications for the determination of perchlorate in drinking water, ground water and solid waste by IC and ICMS

2:30 P.M. – 3:30 P.M. – Continually asked to do more, and do it faster? Automation is the answer!

Today's labs are challenged to increase analysis throughput, but often lack the personnel to do it; moreover, they're also asked to provide analytical data with a high level of accuracy and precision. Learn about automation and software solutions that will help laboratory staff do more with less. The possibilities are virtually endless and the ROI easy to justify. Learn how Metrohm systems can prep samples, create standards and then transfer them to many types of measuring instruments. Metrohm systems can automate the process of homogenization, extraction, filtration, and dilution with both solid and liquid samples. Join our discussion to learn more about the systems and pose your questions to our senior technical chemists.

3:45 P.M. – 4:45 P.M. – Recent Advances in Ion Chromatography

Since it was introduced 35 years ago, Ion Chromatography has been evolving and is now a unique tool in modern chromatography. This seminar provides a complete overview on the latest IC enhancements and applications in the field of chemistry.

Thermo Scientific

Davis Room – Garden State Exhibit Center

9:00 AM – 4:00 PM

Join us this year at EAS 2011 for workshops and instrument demonstrations of our innovative HPLC, ion chromatography (IC), Mass Spectrometry (MS), and software separation solutions that increase productivity and deliver faster results with fewer resources in your laboratory.

Special Events in the 2011 EAS Exposition Area

(Continued)

Thermo Scientific (continued)

9:00 A.M. – 9:45 A.M. – Semi-Quantitative Analysis without the Need for Standards

Discover new advances in hardware and applications using the Dionex UltiMate 3000 UHPLC+ system. The talk will cover the features and benefits of running semi-quantitative analysis without the need for standards using the ESA CAD detector and a unique LC gradient program.

10:00 A.M. – 10:45 A.M. – Tricks and Tips when using Dionex Chromeleon CDS Software Version 7.1

Learn more about our industry-leading chromatography data system (CDS) software Chromeleon version 7.1. The presentation will also cover the new algorithm features of the software.

11:00 A.M. – 11:45 A.M. – Ion Chromatography for Pharmaceutical Applications

This session will demonstrate the power of the Dionex ICS-2100 running gradient separations of inorganic anions and organic acids. Learn more about pharmaceutical applications of ion chromatography including procedures for gradient ion chromatography method development.

12:30 P.M. – 2:00 P.M. – Thermo Fisher Scientific Solutions and Innovations from Life Science Mass Spectrometry Experts

2:30 P.M. – 4:00 P.M. – Analysis of Metal Impurities According to Proposed New USP Chapters Using ICP-OES and ICP-MS

Wednesday, November 16, 2011

Waters Corporation

McDivitt Room – Garden State Exhibit Center

9:00 AM to 10:00 AM

What's New in Empower 3

If you are migrating from Empower 2 to Empower 3 you will learn about the new features in Empower 3. Topics to be covered are Process Only Sample Sets and changes to Apex Track Integration algorithm.

10:30 AM to 11:30 AM

Managing Data with Empower 3: Auditing Data

Learn how to investigate data, view changes and view audit trail information to examine the record of the final results.

1:00 PM to 2:00 PM

Managing Data with Empower 3: Custom Reports

Learn how to modify existing reports, create customized reports, find report information, sort and filter report information, and create composite groups for summary reports.

2:30 PM to 3:30 PM

Managing Data with Empower 3: Custom Fields

Learn how to customize data entry, create custom calculations with peaks and perform an inter-sample calculation.

Special Events in the 2011 EAS Exposition Area

(Continued)

PerkinElmer

Davis Room – Garden State Exhibit Center Lobby
9AM to Noon

Please join PerkinElmer on Wednesday, November 16, in the Davis Room at the Garden State Exhibit Center lobby for an educational seminar event. PerkinElmer product specialists will be presenting 40-45 min. talks focusing on LCMS, ICP-MS, and Informatics.

Registration/Info: Please contact Tracy Tran at tracy.tran@perkinelmer.com or 408-835-9940 and note which session(s) you will be attending.

“New developments in source and mass spec technology reducing sample prep”

Presenter: Hayley Crowe
Mass Spec Detection Product Specialist, PerkinElmer
Davis Room – Garden State Exhibit Center Lobby
9:00 a.m. to 9:45 a.m.

For analysts seeking a fast, accurate and robust system to quickly identify and quantify compounds using LC/MS with little or no sample prep. Adding the power of molecular weight determination to chromatography allows labs to get a new level of sample insight. The new PerkinElmer AxION 2 TOF with unique ion sources like DSA, Direct Sample Analysis and Dual Spray ESI coupled with Trap Pulse mode and unique detector technologies delivers an innovative approach to minimize or eliminate sample prep, enhance sensitivity, increase quantitative linearity and increase confidence in your laboratory work flows for a wide range of applications.

“Metals Determination in Excipients and Final Drug Products using ICP-MS. New USP Standards will change how Drugmakers analyze for Elemental Impurities.”

Presenter: Dr. Leon Davidowski, PhD.
Inorganic Product Specialist, PerkinElmer
Davis Room – Garden State Exhibit Center Lobby
10:00 a.m. to 10:45 a.m.

This talk describes the new USP/FDA requirements and regulations for elemental impurity testing. Plasma-based instrumentation has become the backbone of metals analyses, whether looking for heavy metal contamination or the components of a multivitamin. Use of an innovative, next generation ICP mass spectrometer for the determination of toxic, essential and nutritional elements in foodstuffs will be shown. The study demonstrates how complex spectral interferences are overcome with the instrument's breakthrough universal cell mode, and how selective attenuation of the cell quadrupole bandpass allows macro-level minerals to be determined without dilution in the same sample run as the trace elements. Data will be presented that show excellent correlation with a group of NIST® food standard reference materials.

“Optimizing the Power of Integration: Instrument Integration with the E-Notebook Using LimsLink”

Presenter: Alex Jewett
Application Consulting Manager, PerkinElmer Informatics
Davis Room – Garden State Exhibit Center Lobby
11:00 a.m. to 11:45 a.m.

This seminar introduces LimsLink and discusses the problems it solves for the laboratory. E-Notebook provides a smooth, well-organized interface designed to replace paper laboratory notebooks. LimsLink can collect data from virtually any source and can interact bi-directionally with informatics systems, instruments or instrument data systems. For example LimsLink can pull sample information from LIMS into the ELN for a sample prep process.