

## Special Events in the 2016 EAS Expo Area

The following special exhibitor events will take place in the Garden State Exhibit Center during the 2016 Eastern Analytical Symposium. Attendance at these events is limited to EAS attendees only.

**Monday, November 14, 2016**

**Bruker Corporation**

**Davis Room, Garden State Exhibit Center Lobby**

**Full Day**

**Reverse Engineering of Materials and Polymers Using Infrared and Raman Spectroscopy**

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Product development in the industrial world can be a long and expensive process. In a competitive market, the window of opportunity for significant revenue can close before a new competitive product could even exit the development cycle. The obvious solution to keeping up in a competitive market is to acquire the product in question, disassemble it, and analyze it. This reverse engineering process can greatly expedite the immediate introduction of competitive products into the marketplace. There are many tools for determining the physical properties of materials that will not be discussed here. The chemical properties can be readily determined by utilizing analytical tools such as gas phase chromatography, atomic absorption spectroscopy and many others. Molecular spectroscopy (infrared and Raman) is among the most powerful tools in the reverse engineering process. Each molecule has a unique infrared and Raman signature providing great specificity in the identification process. The distribution of components can also be determined by collecting area infrared and Raman images of the product in question.

This workshop will be focused on the process of utilizing spectroscopy to characterize the various industrial and pharmaceutical products. Examples will be presented as well as hands-on demonstration of infrared and Raman analysis of real world products. Attendees are encouraged to bring samples of interest for analysis during the hands-on session.

To register for this event, please go to:

<http://mbopt.bruker.com/acton/form/4159/003d:d-0001/0/-/-/-/index.htm>

## Special Events in the 2016 EAS Expo Area

(Continued)

**PerkinElmer**

**McDivitt Room, Garden State Exhibit Center Lobby**

**9:45 am to 3:00 pm**

**Learn Today. Use Tomorrow.**

Join PerkinElmer for expert advice on solving your real world analytical challenges and learn techniques you can implement in your lab immediately.

To register for the workshop today, please click <http://perkinelmerateas.eventbrite.com/?aff=EASwebsite>

Presentations	
9:45 AM	Continental Breakfast
10:00 AM	Identify and Measure what's in your product: Easy, Simply Fast and Accurate with GCMS sample introduction techniques
10:40 AM	Using the best technologies to measure what's in our Air and why we should be concerned
11:20 AM	USP <232>, ICH Q3D - Impact of the New Drug Product Trace Elemental Impurity Regulations by ICP-MS and Microwave Digestions
12:00 PM	Lunch (Provided by PerkinElmer)
1:00 PM	Infrared Analysis of Laminates by Micro ATR and ATR Imaging Techniques
1:40 PM	Reduced Workflow Sample Preparation Strategies and Increased Sample Throughput with a Novel LC MS
2:20 PM	Portable GC MS Product Applications, Techniques and Demonstration

If you have any questions, please contact: Lisa Reardon at [lisa.reardon@perkinelmer.com](mailto:lisa.reardon@perkinelmer.com)

# Special Events in the 2016 EAS Expo Area

(Continued)

**Tuesday, November 15, 2016**

**Sciex**

**McDivitt Room, Garden State Exhibit Center Lobby**

**9:00 am to 3:45 pm**

Join SCIEEX for an informative workshop on a variety of applications enabled by mass spectrometry and capillary electrophoresis.

<b>8:45 AM</b>	Registration
<b>9:00 AM</b>	<b>X500R: Unique Workflows for Pesticide Analysis</b> Carl Schwarz, Market Development Manager, SCIEEX
<b>9:45 AM</b>	<b>Cannabis: Current State of Testing</b> Craig Butt, Product Applications Specialist, SCIEEX
<b>10:30 AM</b>	<b>PFCs: Things to Consider for LC-MS</b> Charles Neslund, Technical Director, Eurofins
<b>11:15 AM</b>	<b>Forensic Toxicology: Comparison of Data Dependent vs Data Independent Workflows</b> Alex Krotulski, Research Scientist, Center for Forensic Science Research & Education
<b>12:00 PM</b>	Q&A
<b>12:30 PM</b>	Lunch & Registration for Afternoon Session
<b>1:00 PM</b>	<b>LC-HRMS Based Bioanalysis of Proteins: Challenges and Opportunities</b> Wenyong Jian, Ph.D, Principal Scientist, Johnson & Johnson
<b>1:45 PM</b>	<b>CESI Utilized as Standalone CE and as Connected to MS for the Analysis of Carbohydrates</b> Grace O'Maille, Senior Product Manager, Separations, SCIEEX
<b>2:30 PM</b>	<b>Simplify Biologics Characterization Using New QTOF Technology</b> Yi Zhang, Ph.D., Market Development Manager, SCIEEX
<b>3:15 PM</b>	Q&A
<b>3:45 PM</b>	Adjourn

► **REGISTER TODAY:** <http://sciex.com/events/analytical-symp-1114>

# Special Events in the 2016 EAS Expo Area

(Continued)

## Thermo Fisher Scientific

### Technical Seminar

Tuesday, November 15 - Davis Room

12:45 PM	<p><b>Redefine Routine Analysis by Overcoming the Challenges of Semi-Volatile (SVOC) Analysis.</b></p> <p>Learn how the Thermo Scientific 8270 D Analyzer Kit can ensure method requirements, sensitivity, robustness and sustainability using a start to finish proven workflow. This kit allows labs to capitalize on analyzing more samples per unit of time with significant cost savings while meeting method requirements. These smart innovations enrich the laboratory's GC-MS SVOC workflow and provides improved performance and productivity. This presentation is ideal for analysts who are seeking new, enhanced capabilities to simplify sample analysis from injection to reporting.</p> <p>Top Discussion Points Include</p> <ol style="list-style-type: none"> <li>1. 8270D Analyzer Kit – Tailored to the needs of the laboratory for enhanced performance and workflow sustainability</li> <li>2. Gas Chromatograph Modularity – guarantees flexible instrument configuration and less downtime with our user installable modular injectors and detectors</li> <li>3. Helium Saver – allows the system to operate up to 15 years on a single gas cylinder</li> <li>4. Vacuum interlock – source removal without venting or cooling, for nonstop productivity</li> <li>5. Innovative ion source – requires less cleaning with robust, inert design that includes RF lens to protect quadrupoles from ion burn</li> <li>6. Thermo Scientific™ Dionex™ Chromeleon™ CDS software –takes you from samples to results quickly and easily</li> </ol>
1:45 PM	<p><b>Preparing Your Lab for USP Chapters &lt;232&gt; and &lt;233&gt;</b></p> <p>The United States Pharmacopeia (USP) will soon be implementing changes regarding the determination of elemental impurities in drug products sold in the United States. The new guidelines will be a significant change from the current ones, affecting both the maximum allowable limits for elemental impurities, as well as the method for quantifying them. Come see an overview of the new guidelines and learn useful tips for making sure your laboratory is compliant and prepared for the changes to come.</p>
2:15 PM	<p><b>Unlimited Possibilities: Using Next Generation UHPLC and Column Chemistries to Cross Chromatographic Boundaries</b></p> <p>Discover how the separation and detection capabilities of the Thermo Scientific™ Vanquish™ UHPLC platform deliver unsurpassed results. A unique design concept together with hardware and software innovations clearly separate Vanquish from competitive instruments, including method transfer from other systems based on novel hardware capabilities.</p>
2:45 PM	<p><b>Ion Chromatography for Pharmaceutical Analysis</b></p> <p>“Ion chromatography (IC) is a well-established liquid chromatographic technique increasingly being used for pharmaceutical analysis. IC typically uses an ion-exchange separation followed by suppressed conductivity, pulsed amperometry, or UV absorbance detection. Applications of IC in the pharmaceutical industry include drug assay, assay of one or more impurities in a drug substance, counterion determination, and measurement of drug product excipients. IC is one of the instrumental techniques now allowed by the USP for identification tests (USP &lt;191&gt;) and is also the prescribed technique for determining citrate and phosphate in drug products (USP &lt;345&gt;). In addition to its increased use in regulatory methods, modern IC has features valued by analytical laboratories. For most applications the IC instrument is able to make its own mobile phase. The analyst must only add deionized water to the instrument. This eliminates mobile phase preparation errors and improves intra- and inter-lab reproducibility. IC mobile phases rarely contain organic solvents and therefore waste disposal costs are reduced and the analyst is not exposed to sometimes hazardous organic solvents.</p> <p>This workshop will cover the basic principles of IC including a detailed description of separation and detection options. The second section will review some representative IC applications for pharmaceutical analysis. The final portion of the workshop will describe the necessary steps for developing an IC application for pharmaceutical analysis.</p>
3:45 PM	<p><b>Session Concludes</b></p>