

Lab Hacks

2019 Seminar Tour



Somerset, NJ • October 29, 2019

Elemental Analysis Track

Time	Topic
8:15 AM	Registration and Continental Breakfast
8:45 AM	Welcome and Introductions
9:00 AM	The Real Industry Challenges in Elemental Analysis This presentation will identify the industry challenges in elemental analysis and discuss how our portfolio of innovative instruments can address even the toughest obstacles, taking your performance and productivity to the next level.
9:30 AM	Build a Better ICP-MS Workflow From sample prep to analysis, ICP-MS workflows can be streamlined with innovative technologies. Experts from Thermo Fisher Scientific and CEM Corporation will discuss tools like microwave digestion for faster, cleaner sample preparation, collision cell and triple quadrupole technologies for simplified method development and intelligent autodilution systems for enhanced productivity.
10:00 AM	Break
10:15 AM	CID Cameras for ICP-OES: Innovating in the 1980s, Through Today, and Into the Future <i>Special Guest Speaker: Mike Pilon, Sr. Director, Thermo Fisher Scientific, Cameras and Imagers</i>
10:45 AM	Interactive Demo and Consultations – Elemental Analysis Instrument and Software Learn how to minimize training, automate workflows, simplify your experience, and improve efficiency using Thermo Scientific™ Qtegra™ Intelligent Scientific Data Solution™ (ISDS) software with an interactive demo. Bring your application questions and data to the table! Solve problems and find solutions with our applications specialists.
11:45 AM	Lunch
12:30 PM	Meet the Demands of Your Analysis In this presentation, our experts will show how the latest innovations in ICP-OES can address applications such as EPA Methods 200.7 and 6010D, oils and organic solvents, and long-term analysis of 25% brine.
1:15 PM	Boost Productivity and Interference Removal with Single and Triple Quad ICP-MS Discover unique innovations in single and triple quadrupole ICP-MS instruments and software that boost productivity by streamlining method development and removing the most complex interferences, including polyatomic, isobaric, and doubly-charged ions.
2:00 PM	Break
2:15 PM	Roundtable Discussion
3:15 PM	Wrap-up and Adjourn



Thermo Scientific™ TRACE™ 1310
GC System



Thermo Scientific™ Vanquish™
UHPLC System



Thermo Scientific™ Dionex™ ICS-6000
Capillary HPLC System



Thermo Scientific™ ICAP™ TQ
Triple Quadrupole ICP-MS



Chromatography Track

Time	Topic
8:15 AM	Registration and Continental Breakfast
8:45 AM	Welcome and Introductions
9:00 AM	Chromatography Data System Software Tips and Tricks Thermo Scientific™ Chromeleon™ CDS Software is full of features and tools to make your instrument operation, data collection, and analysis efficient and compliant. Remembering and using them all routinely is more of a challenge. We will show you how to use the software to its full potential.
9:30 AM	Sample Preparation Approaches for Varying Sample Matrices How do you choose the right sample preparation solutions for your analysis? Learn how to handle the unique challenges of various sample matrices with case studies from clinical, environmental, and proteomics labs.
10:00 AM	Break
	GC Session IC Session
10:15 AM	<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>Modern Analytical Tools That Can Separate Success from Failure Thermo Fisher Scientific offers a variety of GC and GC-MS solutions, but which is right for your application? This talk will provide a comprehensive overview of the options and offer tips on selecting the right tool for the job.</p> </div> <div style="width: 48%;"> <p>Meet the Demands of Your Analysis Gain a better understanding of how our IC instruments will fit into your laboratory toolset. Learn how to identify the configuration variables through case studies from environmental, food & beverage, and pharmaceutical applications.</p> </div> </div>
10:45 AM	<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>What You Wish You Knew Yesterday: Lab Hacks to Improve Method Robustness, Sensitivity, and Throughput We are hacking GC and GC-MS workflows to make your work easier and more efficient! We will review a few key innovations and the effect they can have on lab productivity.</p> </div> <div style="width: 48%;"> <p>The Latest Innovations in Column Technology Learn how our latest IC column innovations and offerings can help increase productivity through greater speed of analysis, improved peak resolution, and the possibility of performing new, more efficient applications.</p> </div> </div>
11:15 AM	<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>Benefits Realized: Expert Advice to Optimize Workflows and Applications for Knowns and Unknowns We will review a few real-world cases where our GC and GC-MS solutions have had a meaningful impact on workflow efficiency and lab productivity.</p> </div> <div style="width: 48%;"> <p>5 Quick Tips to Develop and Improve Your Method We will cover the basics of IC method development, looking at where to start or how to make improvements to your current method. See how the Virtual Column™ Separation Simulator can help you develop methods in minutes.</p> </div> </div>
11:45 AM	Lunch
12:30 PM	Roundtable Discussion
	LC Session
1:30 PM	Increasing Productivity of Method Development Discover tips and tricks for HPLC method development. Learn how automated scouting of columns and solvents, method development software, and more can be used to efficiently develop methods for your HPLC analyses.
2:00 PM	Break
2:15 PM	Revolutionizing Chromatography with the Vanquish UHPLC Systems Learn how the Thermo Scientific™ Vanquish™ UHPLC platform has delivered tangible user benefits and revolutionized liquid separations over the past five years, culminating in the recent Vanquish Duo UHPLC systems. We will include practical illustrations of how dual LC on the Vanquish Duo enables a number of applications in parallel.
2:45 PM	Preparative LC Strategy for Optimizing Resources and Available Sample Material We will explain a structured approach to using generic or customized methods to purify new compounds out of research and synthesis. An approach will be presented for choosing column selectivity, formats, and hardware/software with solvent costs and cycle times in mind.
3:15 PM	Wrap-up and Adjourn

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