Lab Hacks

2020 Seminar Tour

Tampa, FL • May 5, 2020

Elemental Analysis Track

Time	Topic
8:15 AM	Registration and Continental Breakfast
8:45 AM	Welcome and Introductions
9:00 AM	Solutions for the Real Industry Challenges in Elemental Analysis This presentation will discuss how our innovative, high-performance, and robust solutions can address analytical challenges, simplify workflows, and boost productivity across various industries.
9:30 AM	New Innovations in ICP-OES: The Next Level of Speed, Performance and Productivity Get to know the latest innovations in ICP-OES that will take productivity to the next level with the robustness and speed to handle any sample and deliver fast, accurate results in the industry's smallest footprint.
10:00 AM	Break
10:15 AM	Get to Know Qtegra ISDS: Interactive Software Demo Learn how to minimize training, automate workflows, simplify your experience, and improve efficiency using the Thermo Scientific™ Qtegra™ Intelligent Scientific Data Solution™ (ISDS) software.
11:00 AM	Perform Like a Pro: Optimized ICP-OES Methods to Overcome Real Industry Challenges In this presentation, our pros will show how the latest innovations in ICP-OES can address the sample matrix and high sample volume challenges associated with environmental, petrochemical, and other industrial applications.
11:45 AM	Lunch
12:30 PM	Lab Hacks for Your Elemental Analysis Workflow: Sample Preparation and Sample Introduction Automation In the first part of this presentation, a representative from CEM Corporation will discuss how microwave digestion can reduce sample preparation time. In the second part, representatives from Elemental Scientific (ESI) and Teledyne Cetac will discuss fast sample introduction and autodilution systems.
1:20 PM	Champion Your ICP-MS Analysis: Tips, Tricks and Innovations for Routine and Advanced Applications Our experts will discuss ICP-MS tips and tricks and innovations that resolve the most complex interferences, streamline method development, and simplify analytical workflows.
2:00 PM	Break
2:15 PM	Roundtable Discussion
3:15 PM	Wrap-up and Adjourn

Thermo Scientific™
TRACE™ 1310 GC System

NEW! Thermo Scientific™
Vanquish™ Core HPLC System

Thermo Scientific™ Dionex™
ICS-6000 Capillary HPIC 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	LC Session
10:15 AM	**Eenie Meenie Miney Go! Choosing the Right GC-MS System to Meet your Analytical Challenges.** Don't choose your GC-MS by chance. We will review the advantages of various GC-MS techniques (single quad, triple quad, Orbitrap) and how each can aid in your analyses.	**Revolutionizing Chromatography with the Vanquish HPLC and UHPLC Systems** Learn how the Thermo Scientific™ Vanquish™ HPLC and UHPLC platform has revolutionized liquid separations over the past 5 years, culminating with the recent Vanquish Duo UHPLC system and Vanquish Core HPLC system.
10:45 AM	**A Glass Full of Water Helps the Medicine Go Down: How Safe is Your Medicine and the Water You Use to Take It?** We will discuss real-world cases where our GC-MS systems are being used to protect public health, from ensuring our water is clean to guaranteeing pharmaceuticals are safe.	**Overcoming the Challenges of Analytical Method Transfer** Understand the fundamentals of analytical HPLC method transfer, including compensating for LC system differences, selecting the appropriate column chemistry, and using novel tools that streamline the process.
11:15 AM	**To Vape or Not to Vape? A Novel Approach to Profiling e-Liquids.** Learn how gas chromatography-Orbitrap mass spectrometry can help you meet regulatory requirements for targeted compounds and discover harmful and potentially harmful constituents in e-liquids.	**Use Diversity in HPLC Column Chemistries to Your Advantage** Selecting the best column can be complicated. Let's unravel the mystery behind selecting columns for your small molecule workflows and learn more about what might suit your next separation challenge.
11:45 AM	Lunch	
12:30 PM	Roundtable Discussion	
	IC Session	LC Session
1:15 PM	**Automate Your Wet Chemistry Analysis** Conventional wet chemistry is manual, labor intensive, and involves large sample volumes. We will show how a discrete analyzer enables simultaneous multi-parameter analysis and discuss how fully automated wet chemistry analysis in microliter-scale provides cost efficiency and complements ion chromatography.	**Improving PFAS Analysis in Drinking Water using Automated Solid Phase Extraction** We will discuss the development of an automated analytical method using a Thermo Scientific™ Dionex™ AutoTrace™ 280 Solid-Phase Extraction instrument and LC-MS/MS for the determination of 18 PFAS following the guidelines in U.S. EPA Method 537.1.
1:45 PM	**The Latest Innovations in Column Technology** 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.	**How to Effectively Master Triple Quadrupole MS Operation** If you are a new or seasoned triple quadrupole user looking to further enhance your operation skills, learn about the most important tips and tricks to run your instrument optimally.
2:15 PM	Break	
2:30 PM	**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.	
3:00 PM	Wrap-up and Adjourn	

Register at **thermofisher.com/americasevents**

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