AGILENT TECHNOLOGIES PRESENTS:

BREAKING BAD CHROMATOGRAPHY HABITS

2015 US SEMINAR TOUR – agilent.com/chem/BBCH_LA

Please join us as our technical experts provide you with valuable tools to assist you in creating better chromatography habits to increase your productivity. Whether or not you have an Agilent LC or GC, this seminar is designed to get you the highest performance from your system.

Attend both sessions–GC in the morning, LC in the afternoon–or pick one. Registration is free but seating is limited. To guarantee your spot, register today at **www.agilent.com/chem/BBCH_LA**

GC Agenda - Morning Session 8:00 am – 11:00 am

8:00 a.m.	–	8:30 a.m.	Registration and Continental Breakfast
8:30 a.m.	–	9:30 a.m.	Advanced GC Troubleshooting – Part 1, The Biggest Part of the Problem
9:30 a.m.	–	9:45 a.m.	Break
9:45 a.m.	–	10:45 a.m.	Advanced GC Troubleshooting – Part 2, The Other 1% of the Story
10:45 a.m.	–	11:00 a.m.	Break
10:30 a.m.	–	11:00 a.m.	Registration for LC Afternoon Session

HPLC Agenda - Afternoon Session 11:00 am – 3:15 pm

11:00 a.m.	–	12 noon	Improving HPLC Characterization of Biomolecules
12 Noon	–	1:00 p.m.	Complimentary lunch
1:00 p.m.	–	2:00 p.m.	Gradient Design and Development – Breaking the Bad Gradient Cycle
2:00 p.m.	–	2:15 p.m.	Break
2:15 p.m.	–	3:15 p.m.	Good Habits for Successful Gradient Separations

Benefits From Attending:

- Valuable tools to get the most out of your LC and GC.
- Face-to-face time with our Application Scientists.
- Complimentary breakfast and lunch.
- Certificate of attendance upon request.
- Coupon for 25% discount on your next purchase for any Agilent LC or GC column, 5 packs of SPE products, and your most often used GC and LC supplies*.

When/where:

Tuesday, May 12, 2015
Courtyard by Marriott
Los Angeles Sherman Oaks
15433 Ventura Blvd.
Sherman Oaks, CA 91403
(818) 981-5400

A FREE seminar designed to get the highest performance from your GC or LC instrument.

Our technical experts will provide you with the valuable tools needed to accelerate your instrument towards unmatched performance and productivity. This seminar is designed to give you real-world knowledge that can be applied immediately in your lab.

You won't want to miss this excellent opportunity and space is limited.

For seminar abstracts or to register today, visit agilent.com/chem/BBCH_LA

* Some restrictions do apply.
This information is subject to change without notice.
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SEMINAR TOPICS AND DESCRIPTIONS

Advanced GC Troubleshooting – Part 1,The Biggest Part of the Problem

The main problem that we deal with in Gas Chromatography is that there are more things that don't want to flow through a GC than do. That means that 99% of all problems experienced in GC are sample introduction or inlet related. How effectively and efficiently our sample is introduced into the GC and our GC column can cause drastic differences with respect to our resolution. In this first talk, we will discuss the variables we deal with in our inlet such as flow and temperature, as well as the contamination issues we encounter and how we can troubleshoot what might be causing us problems.

Advanced GC Troubleshooting – Part 2, The Other 1% of the Story

Although the majority of our problems lie in the inlet, we need to look at the entire flow path, column and detector for all other issues. The second talk will focus more downstream of our inlet after sample introduction. We will also discuss tools and tips to help us determine where our problems are and how to solve them. Finally, we will look at common maintenance items that need to be routinely done. After all, "An ounce of prevention is worth a pound of cure".

Improving HPLC Characterization of Biomolecules

As New Biological Entities continue to become an important focus for biopharmaceutical companies, todays chromatographers are faced with increasingly complex samples and the need for more information about the stability and characterization of these biomolecules as required by regulatory agencies. To meet these challenges, efficient separations become very important to provide higher resolution of critical components and faster separations to improve productivity in the analytical workflow and drug development lifecycle. This presentation will review some of the common challenges chromatographers encounter with Affinity, RP, HILIC, SEC, & IEX separations as well as solutions to improve resolution and reduce analysis time.

Breaking Bad... Gradient Habits

LC gradients are very useful for achieving efficient separations of complex samples. With the development of better gradient capable instruments the use of gradient methods is rapidly increasing. Unfortunately, developing and using successful gradients is more of a challenge than simple isocratic methods. Many of the LC practices and habits we learn over time can cause problems in gradient separations. These LC sessions contain information on developing reliable gradient methods and good habits to employ for long term gradient method reliability.

Gradient Design and Development – Breaking the Bad Gradient Cycle

In this session we will define gradient separations and review equations that define the gradient process. From there we will move to a discussion on determining when a gradient is more appropriate than isocratic and using a simple experimental process for that determination. The next step is to present a logical process for creating a gradient method. Since many gradient methods are longer than needed we will also explore techniques for shortening existing methods.

Good Habits for Successful Gradient Separations

Developing good gradient habits is the key to long term success. In this session we will start by discussing what it takes to maximize gradient efficiency by balancing gradient speed with adequate resolution needs. Since even the best gradient can be compromised we are going to look at optimizing LC system performance by minimizing un-needed physical volume, making full use of system functions for maximum efficiency, and understanding the gradient delay volume effect on performance. Last but not least, we will demonstrate successfully transferring gradients from one instrument to another.

ADDITIONAL WORKFLOW RESOURCES: Take the guesswork out of finding the right columns, sample prep, and supplies with these helpful online tools by visiting **www.agilent.com/chem/selectiontools**

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