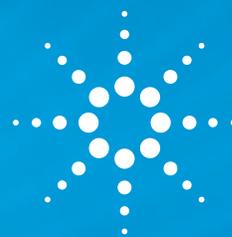


TIPS AND TRICKS SEMINAR

Enhance your GC, LC and Sample Prep Productivity



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.

So register today at

www.agilent.com/chem/tips



Tips and Tricks on How to Get the Most Out of Your GC or LC Method!

Join us as Agilent technical experts provide you with valuable tools to speed up your analysis and maximize your resolution with your LC or GC. Whether or not you have an Agilent LC or GC, this seminar is designed to get you the highest performance from your system.

You are invited to join us for a half day or you can attend both the LC and the GC sessions. Registration is free but seating is limited. To guarantee your spot, register today at www.agilent.com/chem/tips

HPLC and Sample Preparation Agenda

Morning Session 8:00 am – 12 noon

- 8:00 am – 8:30 am Registration and Continental Breakfast
- 8:30 am – 9:30 am HPLC Separation Robustness and Ruggedness – Stopping Problems Before They Start
- 9:30 am – 9:45 am Break
- 9:45 am – 10:45 am Improving HPLC Speed and Resolution Utilizing Small Particles and Enhanced Bonded Phase Technology
- 10:45 am – 11:00 am Break
- 11:00 am – 12:00 pm Sample Preparation – QuEChERS and SPE Method Development

GC Agenda

Afternoon Session 12:30 pm – 3:15 pm

- 12:00 pm – 1:00 pm Complimentary lunch for those attending the GC Afternoon Session
- 12:30 pm – 1:00 pm Registration for GC Afternoon Session
- 1:00 pm – 2:00 pm Troubleshooting GC – Symptoms and Solutions
- 2:00 pm – 2:15 pm Break
- 2:15 pm – 3:15 pm Faster GC – What are you willing to do?

For seminar abstracts visit www.agilent.com/chem/tips

Please see page 2 for dates and locations.

All attendees will
get a **25% discount**
coupon on your next Agilent LC or GC
column, SPE products, and your most
often used GC and LC supplies.

Registration

– There are two ways to register:

1. On-line: www.agilent.com/chem/tips

2. Fax below form to **(866) 807-1198**

For questions, please email: agilent_inquiries@agilent.com and reference the “How to Get the Most Out of Your Tips and Tricks” Seminar.

Name _____

Title _____

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Address _____ Mail Stop _____

City _____

Province _____ Postal Code _____

Phone _____

Email _____

Yes, please send me exclusive special offers and future seminar invites via email.

Upon registering, a confirmation letter will be sent to you via email. Please provide your email address. If you prefer, confirmation can be sent via fax.

I would like to attend:

Sherman Oaks, CA – February 18 (Choose one)

- LC Session 8am – 12noon
- GC Session 12:30 – 3:30pm
- Both Sessions 8am – 3:30pm

Garden Grove, CA - February 19 (Choose one)

- LC Session 8am – 12noon
- GC Session 12:30 – 3:30pm
- Both Sessions 8am – 3:30pm

Dates & Locations:

Tuesday, February 18, 2014

Sherman Oaks, CA

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

Wednesday, February 19, 2014

Garden Grove, CA

Embassy Suites Anaheim South
11767 Harbor Blvd.
Garden Grove, CA 92840
(714) 539-3300



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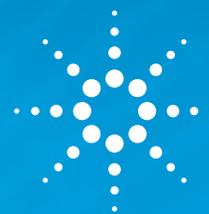
Benefits From Attending:

- 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.*



TIPS AND TRICKS SEMINAR

Enhance your GC, LC and Sample Prep Productivity



Seminar Topics and Descriptions

Improving HPLC Speed and Resolution Utilizing Small Particles and Enhanced Bonded Phase Technology

It seems that every few months we see an announcement about a “new” HPLC column promising more speed and more resolution. Most of these columns are similar to particle technology introduced five or more years ago. In all the marketing and hype of fast LC column introductions, some seem to have lost sight of the fact that chemistry is still the controller in HPLC separations. Agilent has introduced several new column phases on Fast LC particles that offer unique selectivity and resolution for a variety of sample types. In this presentation we will review particle surface chemistry, bonded phase chemistry and structure with an emphasis on improving difficult separations. We will discuss technologies employed to not only improve peak shape, but to enhance separations based on “molecular planarity”, and to improve aromatic compound separations. There will be several examples of optimized separations for acidic compounds, basic compounds, polar organics such as PAH and nitro compounds. Since these new phases are available on Poroshell and Sub-2um we will discuss the use of particle size to tailor the separation efficiency to the needs of your lab.

HPLC Separation Robustness and Ruggedness – Stopping Problems Before They Start

A rugged HPLC method is one that produces reproducible analytical results under actual use conditions. In order to produce results that are accurate, repeatable, and reproducible an HPLC separation must either be relatively insensitive to small variations in analysis conditions, or those variations must be identified and controlled satisfactorily. This is termed method robustness and is a required validation criterion for analytical methods submitted to national and international regulatory agencies. The development of a robust method is not only cost effective in the long term, but it also increases the likelihood of successful method transfer to other in-house or contract analytical laboratories. In this presentation we will discuss many of the important factors that affect the robustness and ruggedness of HPLC separations. We will describe the importance and advantages of considering these factors as part of the method development process.

Sample Preparation – QuEChERS and SPE Method Development

Review of QuEChERS established methods and method development techniques for alternative matrices. Discussion of Solid Phase Extraction method development strategies for polar, non-polar and ion exchange procedures from a variety of matrices

Troubleshooting GC Systems – Symptoms and Solutions

Two of the worst words you can put together for most chromatographers is Down Time. Knowing how to diagnose problems and correct them is not generally taught before the analyst ever gets in front of the instrument. Experience, trial and error, and dumb luck often lead to remedies that have a lot of “voodoo” attached to them. This talk centers on knowing what can truly go wrong with capillary GC and how to fix it.

Faster GC Analyses: What are you willing to do?

Fast GC has been a hot topic for several years. Some of the work that has been done has focused on the theoretical limits of just how fast is fast. While interesting and sometimes helpful to the analyst or chromatographer, many times the information tends not to be very practical for use under normal lab conditions. This seminar focuses on a more practical approach to fast GC. Method translation software, free downloadable software from the web, is presented as a tool to simplify the process of optimizing temperature programming while changing column dimensions as well as carrier gas types and flows. The chromatographic theory is employed in a practical manner for adjusting column dimensions. Electronic pressure control (EPC) and high ramp rates for temperature programming make it even easier to achieve faster analysis times, without repeatability problems. This practical approach is demonstrated on various analyses.

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GC Columns Selection Tool

www.agilent.com/chem/selectGC