



Monday
October 7, 2013
8:30 AM - 4:00 PM
Sheraton Bucks County Hotel

Short Course Chair:



Shane Needham
Alturas Analytics

Colloquium on LC-MS Method Development: Fundamentals, New Technologies, and Advanced Methods

This practical course on HPLC method development for LC-MS is a tutorial on LC-MS/MS in the bioanalytical and clinical laboratory. As a conduit for learning, a major portion of the course will feature a step-wise method development approach and tutorial on how to develop LC-MS/MS methods based on compound structure. The course will emphasize the importance of HPLC when interfaced with mass spectrometry including the HPLC and SPE separation of undetected matrix components (a major cause for ion suppression!), isomers and labile metabolites. Much of the course is geared towards development of HPLC methods for LC-MS in a regulated quantitative bioanalysis laboratory for both pharmaceutical and clinical applications. Seven experts will present their recent experiences with fundamentals, new technologies and advanced methods. This colloquium will feature a dynamic format where the latest technology in HPLC column chemistries, tools for microsampling, MFLC, UPLC of large molecules and tools for gaining extra selectivity with HPLC-MS/MS are openly discussed. A significant time will be devoted to answering questions from the audience about their specific issues, needs and requirements.

Featured Presenters

History and Applications of LC-MS
Method Development

Shane Needham, Alturas Analytics

The Latest Column Materials, Formats,
and Chemistries for LC-MS Applications in
Clinical and Pharmaceutical Laboratories

Matt Przybyciel, ES Industries

MLFC Applications and Advantages in
Pharmaceutical and Clinical Applications

Subodh Nimkar, Eksigent

Tools for Achieving Microsampling Accuracy
in DMS Applications

Joe Siple, Drummond Scientific

Adding a 4th Dimension to LC-MS/MS:
Differential Mobility

Yves Leblanc, AB SCIEX

Justification and Use of LC-MS and
Bioanalytical Technologies by Management

Jim Shen, Bristol-Myers Squibb

CPSA

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