Workshop 4: Mastering HPLC technique: Hands on HPLC method development and validation

A two-day workshop, this hands-on training experience will provide participants with a comprehensive understanding of HPLC principles, method development and validation, and DOE. This workshop will enhance your confidence in utilizing HPLC for precise analytical work.

Workshop Outcome:

Participants will:

- Gain In-Depth Knowledge: Acquire a thorough understanding of HPLC fundamentals, including instrumentation, column selection, and mobile phase composition.
- Troubleshooting: Develop the ability to identify and resolve common HPLC challenges, ensuring reliable results in your laboratory work (through case studies).
- DOE: understand how to use design of experiment for optimizing and validating your HPLC method.
- Enhanced Confidence: Leave the workshop with increased confidence in your HPLC understanding, ready to apply your newfound information in your professional endeavors.

Join us and don't miss this opportunity to elevate your analytical capabilities.



Topics: Day 1, 15/2/2024

- 1. Introduction to Liquid Chromatography
- 2. Introduction to High Performance Liquid Chromatography (HPLC)
- 3. How to develop an HPLC method?
 - 3.1. Method development
- 3.2. Method validation (Analytical and Bioanalytical)
- 4. HPLC Troubleshooting (case studies)

Day 2, 18/2/2024

- 1. How to use Experimental Design (DOE) in HPLC method development
- 2. Data analysis software

Target audience:

HPLC beginners and users with basic HPLC knowledge, no previous knowledge necessary

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