



## NTHRYS WORKSHOPS

# Introduction To Hplc And Gc

### 8:45 AM - 10:15 AM: Session 1: Basics of HPLC and GC

Overview of High-Performance Liquid Chromatography (HPLC) and Gas Chromatography (GC) principles.

Hands-on session on the basics of chromatography.

Introduction to the importance of HPLC and GC in analytical chemistry.

### 10:15 AM - 10:30 AM: Coffee / Tea / Snacks Break

Networking and refreshments.

### 10:30 AM - 12:00 PM: Session 2: Instrumentation and Operation

Interactive session on HPLC and GC instrumentation and operation.

Workshop on setting up and calibrating chromatographic systems.

Practical demonstration of sample preparation and injection techniques.

### 12:00 PM - 1:00 PM: Lunch Break

Catered lunch and networking opportunity.

### **1:00 PM - 2:30 PM: Session 3: Data Analysis and Interpretation**

Exploring techniques for data analysis and interpretation in HPLC and GC.  
Hands-on training on chromatogram analysis and peak identification.  
Case studies on the application of HPLC and GC in various fields.

### **2:30 PM - 2:45 PM: Short Break**

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Troubleshooting and Maintenance**

Workshop on troubleshooting and maintaining HPLC and GC systems.  
Practical techniques for identifying and solving common issues.  
Case studies on best practices for system maintenance.

### **4:15 PM - 4:30 PM: Coffee / Tea / Snacks Break**

Last networking opportunity with snacks.

### **4:30 PM - 5:30 PM: Closing Session: Implementing Changes and Technology Adoption**

Group discussions on implementing new techniques learned today.  
Dialogue on overcoming challenges in adopting new technologies in similar sectors.  
Feedback session and closing remarks.

Certificate Issue

### **5:30 PM: Workshop Concludes**