

**Training course on Gas Chromatography Mass Spectrometry
based Targeted Metabolomics**

**September Hands-On Workshop Session
[19th – 20th September, 2024]**

This comprehensive 2-day training program includes introductory talks on basics and extensive hands-on sessions for handling GC-MS

Duration	19-09-2024 By Dr. Ganesh Kumar	20-09-2024 by Dr. Soma Das Gupta
10:00-11:00	Introduction to GC FID, MS and MSMS	Method Acquisition Full Scan, SIM, MRM
11:00-11:45	GCMS SQ Principles	Retention time Locking, Backflush
12:00-13:00	GCMS-TQ Principles	MRM Development
13:00- 14:00	Lunch Break	Lunch Break
14:00-14:45	Ion source type, function & tuning	Qualitative Analysis
14:45-15:30	Practical session on basic maintenance & Source cleaning	Quantitative Analysis
15:30-16:00		Unknown analysis
16:00-16:30		Reporting