DST PURSE Project, University of Mysore
[EXCLUSIVE HANDS ON TRAINING FOR MYSORE UNIVERSITY]

Waters Xevo G2-XS QTof
(Operational Training)

ABSTRACT

This focused training is designed to introduce Waters Xevo G2-XS QTof for High-Resolution Mass Spectrometry Applications.

DATES & LOCATIONS

Date: 23/05/2019 & 24/05/2019

Location:

**Venue : Vijnana,
Bhavan Manasagangotri ,
University of Mysore**

CONTACT:

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LEARN MORE AT:
www.waters.com

OBJECTIVE

At the end of this training you will have the basic technical knowledge to acquire and process data on Waters Xevo G2-XS QTof using MassLynx Software.

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AGENDA
Day 1

09:30am **Overview of Waters (Presentation - Akshay Desai)**
10.00am **Fundamentals of High-Resolution Mass Spectrometry (Presentation – Bronsky Gopinadh)**
We will introduce the fundamentals of High-Resolution Mass Spectrometry and the Hardware and Software capabilities of Waters Xevo G2-XS QTof.
11:15am **Break**
11:30am **Introduction to the Hardware (Lab Session)**
a. Fluidics
b. Source (Analyte Spray and Lock-mass Spray)
c. IntelliStart – Calibration, Lock Spray & Detector Set-Up
01:00pm **Lunch**
02:00pm **Setting-up Acquisition Parameters for Accurate Mass Analysis (Lab Session)**
a. Creation of Project in MassLynx
b. Setting up MS parameters and Inlet Parameters
c. Setting up Tune Page
03:30pm **Break**
03:45pm **Data Acquisition Demonstration**
Data acquisition by direct infusion
Data acquisition in Positive and Negative mode
Data acquisition in MS and MS/MS mode

Day 2

09:30am **Data processing demonstration for identification of unknown compounds by Elemental Composition.**
How to get accurate mass within 5ppm error with the help of lock-mass correction and getting the elemental composition based on it.
11:00am **Break**
11:15am **Hands on practice on Calibration, Data Acquisition and Data Processing**
The trainees will get chance to work independently on the instrument.
01:00pm **Lunch**
02:00pm **Q&A Session and Basic Troubleshooting Tips**
04:00pm **Break**
04:15pm **Feedback and Wind up**

Waters
THE SCIENCE OF WHAT'S POSSIBLE