About the course

Mass spectrometry has become a powerful tool in the area of proteomics and metabolomics in addition to its applications in various areas of research, mainly due to the advancement in ionization techniques like ESI and MALDI, as well as due to the improvement in the unequalled sensitivity, accuracy and resolution of the analyzers with the introduction of Time of Flight (ToF) and Orbitrap mass analyzers.

Course content

1. Basics of mass spectrometry including ionization methods, various analyzers, sample preparation procedures, SDS-PAGE, Western Blotting, LC-Mass Spectrometry, MALDI- Mass Spectrometry, different types of acquisition modes and data processing.
2. Applications of mass spectrometry include determination of molecular mass of synthetic organic molecules, peptides, proteins, peptide mass finger printing, peptide sequencing, post translational modifications quantitative proteomics and metabolites study.

Eligibility

Masters degree (completed/pursuing) or higher in any Science subject or equivalent.

Course Fees:

Student: Rs.10.000 /-
Faculty: Rs. 20,000/-
Industry candidate: Rs. 25,000/-
(Fee includes breakfast and lunch)

Accommodation Charges (For course duration plus two days)

Student- Rs.500/-
Faculty / Professionals - Rs.1000/-

How to apply

For application form visit below site
(http://www.ncl-india.org/files/SDP/Default.aspx)

Mailing address

Coordinator,
CSIR-NCL Skill Development Program,
CMC Division,
CSIR- National Chemical Laboratory
Dr. Homi Bhabha Road,
PUNE-411008, India.

(Application will also be accepted by email)

Email: ncl.sdtc@ncl.res.in

Council of Scientific and Industrial Research
National Chemical Laboratory

CSIR –Integrated Skill Initiative

Skill development course in Basic to advanced training in mass spectrometry based proteomics

(Course Code: SDP_NCL02)

23rd July to 10th August 2018

No. of participants per batch - 15

Selection: First come first serve basis