

Register now!

September 18-20, 2017



Recognized under Sec 3A under UGC act 1956
Accredited by NAAC with A Grade

Workshop on Fundamentals of Mass Spectrometry-based Metabolomics

(http://csbmm.yenepoya.edu.in/workshop/metabolomics_sept17/index.php)

Center for Systems Biology and Molecular Medicine (CSBMM) is a premier center for genomics, proteomics, metabolomics and computational biology. Metabolomics is an emerging omics platform that focuses on characterization of the small molecules called metabolites that serve as the direct signature of the phenotype. Scientists at CSBMM are carrying out cutting edge research on metabolomics employing mass spectrometry-based approaches to understand the biochemical activity of biological systems. The knowledge from the metabolome has tremendous translational applications in the areas of biomarker discovery, drug discovery, agriculture, plant biology, and traditional medicine. CSBMM has a state-of-art mass spectrometry facility consisting of Orbitrap Fusion Tribrid and QTRAP 6500 mass spectrometers. The scientists at CSBMM will share their expertise in mass spectrometry-based metabolomics including sample preparation approaches to metabolite data analysis through a hands-on workshop. The organizing team of the workshop has conducted more than 20 national conferences on proteomics, NGS-based genomics and transcriptomics. These workshops included participation of faculties and students from reputed research institutions and universities.

Benefits of the workshop

As a part of this 3-day intensive training we will introduce, demonstrate and provide theoretical underpinnings of high-resolution mass spectrometry-based metabolomics technologies and their application to understand the system-level effects of metabolites. Each participant will gain hands-on training on sample preparation and data acquisition.

Focus of the workshop

- Introduction to mass spectrometry-based metabolomics
- Basics of chromatography
- Basics of LC-MS/MS
- Sample preparation approaches
- Sciex QTRAP 6500 mass spectrometer
- Metabolomics data analysis
- Metabolite identification



Registration Fee

Students: ₹ 8,850 (₹ 7,500 + 18% GST)

Academics: ₹ 17,700 (₹ 15,000 + 18% GST)

Industry: ₹ 23,600 (₹ 20,000 + 18% GST)

Foreign participants: \$600

(*GST: Goods and Services Tax)

A concession of ₹ 1,000/- in the registration fee will be provided for:

1. Students and faculty from Jammu and Kashmir and Northeast India
2. Group registration of 3 or more students from the same Institute

Registration

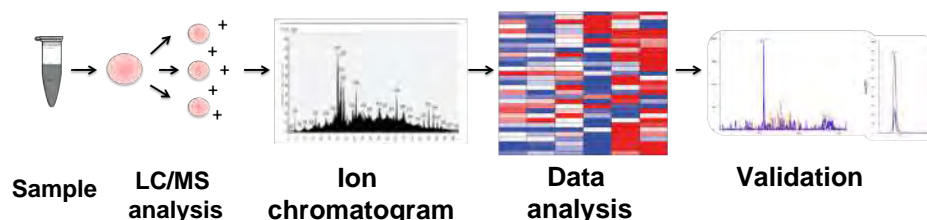
Visit http://csbmm.yenepoya.edu.in/workshop/metabolomics_sept17/register.php to register for the workshop

For further details please contact:

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Resource Personnel

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- Dr. Pratigya Subba
- Dr. Prashant Kumar Modi
- Dr. Keshava Datta
- Dr. Shobha Dagamajalu