

# Intensive workshop on Mass spectrometry-based Metabolomics

*Institute of Bioinformatics (IOB) is a premier centre for Proteomics, Metabolomics and Computational Biology. IOB houses state-of-art facilities for proteomics and metabolomics which are being used to explore and validate candidate bio-molecules in pathobiology of various human diseases including cancers, neurological disorders and infectious diseases.*

There is a substantial emerging interest in the use of metabolomics to understand molecular alterations associated with human diseases or any other biological conditions in an in-depth manner. Therefore, we have initiated a series of workshops on metabolomics.

This workshop will cover a wide range of topics from metabolic disorders, chromatographic techniques involved, strategies to identify different class of molecules in the metabolome, metabolite extraction methods and data analysis. Scientists at IOB and invited speakers will be sharing their expertise through lectures and discussions. Participants will be given hands-on training in sample preparation techniques along with various data sets to practice data analysis.



## Focus of Workshop

- Principles of Chromatography
- Principles of Mass Spectrometry
- Sample preparation and extraction strategies
- Operation of **Agilent 6550 iFunnel QTOF**
- Metabolomics Data Analysis

## Resource Personnel

- Dr. Ramu Gundimeda
- Dr. Harsha Gowda
- Dr. T. S. Keshava Prasad
- Dr. Ravi Sirdeshmukh
- Dr. Aditi Chatterjee
- Dr. Rajesh Raju

## Eligibility

Open to students and researchers from academia and industry

## Registration:

Visit [http://www.ibioinformatics.org/reg\\_metabolomics.php](http://www.ibioinformatics.org/reg_metabolomics.php) to register for the workshop. Participants will be selected on first-come, first-served basis. Participants can also reserve their slots by directly contacting the organizers.

## Registration fee:

Participants from Academia - **Rs. 15,000**

Participants from Industry - **Rs. 20,000**

Refreshments and lunch will be provided throughout the day.

## Contact:

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