

# Workshop on Mass Spectrometry based Quantitative Proteomics for Beginners

Institute of Bioinformatics (IOB) is a premier center for Proteomics and Computational Biology. IOB has established a state -of-the-art proteomics facility that is being utilized to explore and validate candidate biomarkers in a wide array of human diseases ranging from neurological disorders and infection diseases to cancers.

Scientists at IOB will share their expertise in using high -resolution mass spectrometry for proteomics with young researchers in India through a series of workshops. We have successfully conducted ten workshops on high resolution mass spectrometry - based proteomics. Several faculties and students from reputed Research Institutes and Universities from India have participated in these workshops.

## Benefits to participants

As a part of this 4 - day long intensive workshop we will introduce, demonstrate and provide theoretical underpinnings of high - resolution mass spectrometry based proteomic technologies and their application to clinical and biological research. Each participant will get hands -on training for sample preparation and mass spectrometry - derived proteomic data analysis.

## Registration

Visit [http://www.ibioinformatics.org/reg\\_proteomics.php](http://www.ibioinformatics.org/reg_proteomics.php) to register for the workshop with valid DD or online cash transfer details. Candidates will be selected on first -come, first - served basis.

## Registration fee

Participants from Students: - Rs. 17,250  
Participants from Academicians: -Rs. 23,000  
Participants from Industry: - Rs. 28,750

## Workshop Guide

Visit <http://ibioinformatics.org/workshop/msfundamentals/index.html> to go through workshop guide.



## Contact

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September 26 - 29, 2016

## Focus of the Workshop

- ▶ Introduction to proteomics
- ▶ Hands on training for mass spectrometry data analysis
- ▶ Workflow of typical proteomics study
- ▶ Fractionation techniques
- ▶ Demonstration of LTQ -Orbitrap Velos and TSQ Quantum Ultra mass spectrometry

## Who should attend

- Students from Biomedical field
- Post -doctoral fellows
- Faculty from colleges
- Researchers from academic institutes
- R&D personnel from industries

## Speakers

- Dr. Akhilesh Pandey
- Dr. T.S. Keshava Prasad
- Dr. Harsha Gowda
- Dr. Aditi Chatterjee
- Dr. Remya Raja
- Other Scientists at IOB

