

Workshop on Fundamentals of Mass Spectrometry-based 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 nine 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 training 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 to register for the workshop with valid DD details. Candidates will be selected on first-come, first-served basis.

Registration fee

Students - Rs. 15,000 /-

Participants from Academics - Rs. 20,000 /-

Participants from Industry - Rs. 30,000 /-

Foreign participants - USD 600

Visit <http://ibioinformatics.org/workshop/msfundamentals/> for more details on registration fee concession.



Contact

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Focus of the Workshop

- ▶ Introduction to proteomics
- ▶ Basics of mass spectrometry
- ▶ Workflow of a typical proteomics study
- ▶ Fractionation techniques
- ▶ LTQ-Orbitrap Velos – A working model of high resolution mass spectrometer
- ▶ Tandem mass spectrometry data analysis

Who should attend

- Post graduate and Ph.D students
- Post-doctoral fellows
- Faculty from colleges
- Researchers from academic institutes
- R&D personnel from industries

Resource Personnel

- Dr. T. S. Keshava Prasad
- Dr. Harsha Gowda
- Dr. Aditi Chatterjee
- Dr. Ravi Sirdeshmukh
- Dr. Kavita Reddy
- Dr. Remya Raja
- Dr. Sneha Pinto

