

INTENSIVE WORKSHOP ON HIGH-RESOLUTION MASS SPECTROMETRY

15-23 June, 2013

Institute of Bioinformatics, Bangalore

Institute of Bioinformatics (IOB) is a premier center for Proteomics and Computational Biology. IOB has also established a state-of-the-art proteomics facility to discover and validate candidate biomarkers in human diseases ranging from various neurological disorders and infectious diseases to cancers.

Scientists at IOB will share their expertise in high-resolution proteomic technologies to highly motivated young researchers in India through this 9-day long workshop.

This intensive workshop will offer a theoretical and practical understanding of high-resolution mass spectrometry-based proteomics including key experimental techniques and computational tools involved in the analysis of complex proteomic samples.

Because of the hands-on work that will be carried out by the participants during this workshop, the results will be published as a research article in an international peer-reviewed journal. All the participants will be the co-authors on this manuscript.

Eligibility

Open to students and researchers from academia and industry. Applications must include a statement of purpose (<100 words) along with their CV.

Registration

Please visit

http://www.ibioinformatics.org/registration_proteomics.php to register for the workshop. Only 15 candidates will be selected by first-come, first-served basis.

Registration fee:

Participants from Academia - Rs. 50,000

Participants from Industry - Rs. 1,00,000

Economy/student accommodation will be included in the fee.

Refreshments and lunch will be provided throughout the day.

Focus of the Workshop

- Principles of mass spectrometry
- Sample preparation strategies
- Fractionation techniques
- Depletion/enrichment strategies
- LC-MS/MS analysis
- Operation of LTQ-Orbitrap Velos and TSQ Quantum Ultra mass spectrometers
- Proteomic data analysis
- Quantitative proteomics
- Proteogenomics
- Phosphoproteomics
- Glycoproteomics

Resource Personnel

- Dr. T. S. Keshava Prasad
- Dr. Ravi Sirdeshmukh
- Dr. Aditi Chatterjee
- Dr. Ramu Gundimeda
- Dr. Krishna R. Murthy
- Dr. Arivusudar Marimuthu
- Dr. Rajesh Raju
- Other scientists from IOB

Contact

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