

## Workshop on clinical proteomics

July 29 – August 1, 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 4-day long workshop.

This intensive workshop will offer a theoretical and practical understanding of high-resolution mass spectrometry-based proteomic technologies and their application to clinical research.

**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](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. 20,000

Participants from Industry - Rs. 30,000

Refreshments and lunch will be provided throughout the day.

Applicants can contact organizers for accommodation with an additional cost (PG : Rs.350/day; Deluxe sharing: Rs.1200/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. S. K. Shankar
- Dr. Ravi Sirdeshmukh
- Dr. Krishna R. Murthy
- Dr. Aditi Chatterjee
- Dr. Ramu Gundimeda
- Other scientists from IOB

### Contact

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