Workshop on Human Transcriptome Analysis

Institute of Bioinformatics (IOB) is a premier centre for Genomics, Proteomics and Computational Biology. IOB is carrying out cutting-edge research in genomics, transcriptomics and proteomics. We have identified candidate genes for several inherited genetic disorders and cancers by integrating NextGen Sequencing (NGS) data from whole genome, exome, transcriptome sequencing and microarray-based methods. 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

Focus of the workshop

This 2-day workshop will focus on introducing high-throughput methods of expression analysis for extensive understanding of systems in the context of disease and various cancers. Hands-on sessions and lecture series are designed for participants to acquire essential skills for the analysis and interpretation of diverse expression datasets of human. Participants will be made familiar with methods and tools for microarray analysis including GeneSpring. Transcriptome analysis using the RNA-seq includes alignment, annotation and differential expression analysis with clinical implication and methods for quality control, pre-processing, data analysis with statistical implications using open-source tools and R packages.

Dates: June 24 - 25, 2014
Venue: Institute of Bioinformatics, Bangalore

Focus of the workshop

- Lecture series by eminent scientists
- Demonstration of microarray data analysis using GeneSpring
- Hands-on training on differential expression analysis of RNA-seq data
- Data analysis using R and Bioconductor packages

Speakers

- Dr. Harsha Gowda
- Dr. Aditi Chatterjee
- Data analysis team from IOB

Resource Personnel

- Prof. Akhilesh Pandey
- Dr. Ravi Sirdeshmukh
- Dr. T. S. Keshava Prasad

Registration

For registration and detail program of workshop visit following link with valid demand draft or online cash transfer details:
http://www.ibioinformatics.org/registration_transcriptomics.php
Candidates will be selected on first-come, first served basis. A certificate of participation will be given to all participants.

Registration fee

- Students: Rs. 8,000/-
- Others: Rs. 10,000/-
- Foreign participants: USD 600

A concession of Rs. 2000/- in the registration fee will be provided for
1. A participant registering for more than one workshop
2. Students and faculties from Jammu and Kashmir, and North East India
3. A group registration of 3 or more students from the same Institute

Institute of Bioinformatics

Contact

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