Indian Institute of Science Bangalore

December 12, 2013 Thursday

Venue: Lecture Hall – I, Department of Mathematics, IISc, Bangalore

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9:00am – 9:30am	Registration	
9:30am – 10:45am	Varghese George Georgia Regents University	Methods for Differential Methylation with Next Generation Sequencing
10:45pm – 12:00pm	Indranil Mukhopadhyay ISI	Multilocus association test in genetic association study using similarity between individuals
12:00pm – 1:00pm	Lunch	
1:00pm – 2:15pm	S.R. Deshmukh University of Pune	Statistical Techniques for Normalization of Microarray Data
2:15pm –3:30pm	Naomi Altman Penn State University	Data Obesity: Inflated Estimation and Irreproducible Results with High Throughput Data
3:30pm – 3:45pm	Tea	
3:45pm- 4:30pm	Snehalata Huzurbazar SAMSI	Statistical analysis of gene duplication data
4:30pm – 5:45pm	Ashis Sen Gupta ISI	Circular Statistical Inference for Circadian Rhythms in Genomic Data
5:45pm – 6:00pm	Discussions	

Indian Institute of Science Bangalore

December 13, 2013 Friday

Venue: Lecture Hall – I, Department of Mathematics, IISc, Bangalore

9:00am – 10:15am Nagasuma R. Chandra Towards disease prediction modeling -

IISc Analysis of host pathogen interactions

through integrated genome-scale networks

and Boolean dynamics

10:15am – 10:30am Tea

10:30am – 11:45am Olga Vitek Statistical methods for quantitative mass

Purdue University spectrometry-based proteomics

11:45am – 12:45pm Contributed Papers (3 speakers):

Sheikh Taslim Ali Likelihood and Bayesian Estimates

Karnatak University of Reproduction Numbers through

Stochastic Modelling for the Pandemic Influenza A/H1N1

2009 in India

Trinadh Kumar Potina Comprehensive statistical and Tata Consultancy Services functional annotation analysis of

functional annotation analysis of data from Affymetrix Human

Genome U133 Plus 2.0 array

Sandip Shil Study on different gene selection

Gauhati University methods: support vector machine

classification approach

12:45pm – 1:45pm Lunch

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December 13, 2013 Friday

Venue: Lecture Hall – I, Department of Mathematics, IISc, Bangalore

1:45pm – 3:00pm	N. Srinivasan IISc	Filling-in void and sparse regions in protein sequence space by protein-like artificial sequences enables remarkable enhance mentin remote homology detection capability
3:00pm – 4:15pm	T. S. Vasulu ISI	Statistical methods for Phylogenetic analysis
4:15pm – 4:30pm	Tea	
4:30pm-5:45pm	Paul Joyce University of Idaho	The role of statistics in the theory of adaptive evolution informed by experimental data
5:45pm-6:00pm	Discussions	

Indian Institute of Science Bangalore

December 14, 2013 Saturday

Venue: Lecture Hall – I, Department of Mathematics, IISc, Bangalore

9:00am – 10:15am Susan Holmes The many sides of the Human

Stanford University Microbiome:combining heterogeneous

data in meaningful ways

10:15am-10:30am Tea

10:30am-11:45am K. Thangaraj Statistical Methods for Human

CCMB Evolution, Health and Disease

11:45am – 01:00pm Contributed Papers (4 speakers):

Malay Bhattacharya Micro RNA Signatures
University of Kalyani Distinguish Breast Cancer

Subtypes

H.V. Kulkarni A New Distribution on the Torus with

Shivaji University Applications to Paired Circular Genome Data

Anwesha Pan Network Analysis wrt PCOS

ISI

Ranjeet Rout Analysis of Boolean Functions based on

Interaction Graphs and their influence in ISI

System Biology

01:00pm - 2:00pm Lunch

2:00pm – 3:15pm Sanghamitra Bandopadhyay Multiobjective Clustering with SVM

ISI Based Ensembling for Analysis of

Gene Expression Data

3:15pm – 3:45pm Discussion

3:45pm – 4:00pm Concluding Remarks