IBSB 2015 AGENDA
BOSTON UNIVERSITY • BIOINFORMATICS GRADUATE PROGRAM
LIFE SCIENCE AND ENGINEERING BUILDING (LSEB)
24 CUMMINGTON MALL• BOSTON

Monday, July 20

9:15   OPENING REMARKS (LSEB B01)
            Professor Thomas D. Tullius
            Director, Bioinformatics Graduate Program, Boston University

SESSION I

9:30   *Breadth-first Search Based Approach to Enumerating Chemical Compounds*
            Containing Outerplanar Fused Benzene Ring Substructures
            Jira Jindalertudomdee, Kyoto University

10:00   *Protein Secondary Structure Prediction: Raising the Bar*
            Gerrit Korff, Free University of Berlin

10:30   *Khoesan Bushmen Display Distinctive DNA Methylation Landscapes*
            Brenna LaBarre, Boston University

11:00   BREAK

11:20   *Stabilization of Rafts in Hepatocyte Canalicular Membrane through Proteins*
            Johannis Eckstein, Charité – University Medicine Berlin

11:50   *Diversity of Marine Giant DNA Viruses*
            Tomoko Mihara, Kyoto University

12:20   *Chromatin State Patterns at Sex-Biased Transcription Factor Binding Sites*
            Provide Clues to the Mechanisms of Sex-Biased Hepatic Transcriptional Regulation
            Gracia Bonilla, Boston University

12:50   Poster Session (lobby, EVEN #'s)

Tuesday, July 21

SESSION II

10:00   *Bayesian Method for HLA Genotyping from Whole Genome Sequencing Data*
Shuto Hayashi, University of Tokyo

10:30   *Cataloging VNTRs in the Human Genome*
Yozen Hernandez, Boston University

11:00   BREAK

11:15   *Compiling a Minicircle Genome for Trypanosoma Brucei*
Tyler Faits and Tian Yu, Boston University

11:45   *An Improving SVM-Based Prediction for Dicer Cleavage Site Using Loop/Bulge Length*
Yu Bao, Kyoto University

12:15 PM   Poster Session (lobby, odd #'s)

SESSION III

2:15   *Bacterial Strain Tracking Across the Human Skin Landscape*
Allyson Byrd, Boston University

2:45   *DemFeature: Upgraded from DemPred*
Hao Wang, Free University of Berlin

3:15   BREAK

3:30   *Molecular Similarity-Based Predictions of the Tox21 Screening Outcome*
Priyanka Bannerjee, Charité –University Medicine Berlin & Humboldt University

4:00   *Dynamical Modelling of DNA Damage-Dependent NF-κB Activation*
Fabian Konrath, Max-Delbrück Center for Molecular Medicine Berlin

Wednesday, July 22

SESSION IV

10:00   *Bayesian Sparse-Group Feature Selection on Gene Expression Data*
Edgar Steiger, Max Planck Institute for Molecular Genetics Berlin

10:30   *Role of the DPAGT1/β-catenin/YAP Signaling Network in Oral Squamous
Cell Carcinoma*
Vinay Kartha, Boston University

11:00   BREAK

11:15   *Accurate Detection of Small Proportion of Cancer through Deep Sequencing Data*
Takuya Moriyama, University of Tokyo

11:45   *Inference of Signal Transduction Pathways from Phosphorylation Data to
Identify Targets of Combinatorial Cancer Therapy*
Torsten Gross, Humboldt University

SESSION V

2:00   *Identifying Allele-Specific Expression in Brain Tissue from Parkinson's
Disease Patients*
Demetrius DiMucci, Rachael Ivison and David Jenkins, Boston University

2:30   *GTEx Assignment of Cancer Cell Lines by Tissue of Origin*
Heather Selby, Boston University

3:00   *Logical Analysis of Perturbation Data*
Katinka Becker, Free University of Berlin

3:30   BREAK

3:45   *Chromatin Accessibility Alterations Due to Plasma Growth Hormone Pulses
in Male Mouse Liver*
Andy Rampersaud, Boston University

4:15   *Balanced Benchmarks Show Simple Approaches Succeed with Growing Numbers*
Maciej Kańdula, Boku University Vienna

4:45   Closing Remarks