

International Conference on Bioinformatics and Systems Biology (BSB-2018)

Duration: 26th to 28th October 2018

Organized by: Applied Science and Bioinformatics Division

Indian Institute of Information Technology - Allahabad

TRACK SCHEDULE

Day 1 : 26/10/2018 (2:00 pm to 5:30 pm)

Track 1		
S. No	Authors	Paper Entitled
1	Snehal B. Shinde and Manish P. Krhekar	A Dual-Phase Evolution Model of Emergency Myelopoiesis
2	Ashwini Rahangdale and Shital Raut	Gene-Expression Based Predictor for Drug Selection and Prioritization Using Learning-to-Rank
3	Mukund Poddar and Gautam Harigovind	Mixed-effects Model for Classification and Prediction in Longitudinal data Analysis
4	Ankush Maind and Shital raut	Extracting Conditions Specific Key Genes from Basal-like Breast Cancer Gene Expression Data using Gene Co-expression Network
5	Probir Kumar Dhar, Tarun K Naskar and Durjoy Majumder	Prediction of Drug Application Optimization Based on RBC Dynamics in Maintenance Chemotherapy of Acute Lymphoblastic Leukemia
6	Rinki Singh and Anup Som	Profiling of Ovarian Cancer Reveals Common Features Shared by Other Sub-type of Ovarian Cancer: A network biology approach towards finding therapeutic drug targets
7	Sreeshma C. M, Manu Madhavan and Gopakumar G	Identification of Long Non-coding RNA from inherent features using Machine Learning Techniques
8	S Saravanan and Prashanth Athri	HMSPKmerCounter: Hadoop based Parallel, Scalable, Distributed Kmer Counter for Large Datasets
9	Sabyasachi Patra and Anjali Mohapatra	Clustering of proteins in interaction networks based on motif features
10	Abhishek Srivastava, Balanand Jha, Md. Shah Fahad, Akshay Deepak and Kumar Abhishek	A Genetic Algorithm Formulation For Rogue Taxa Problem
11	Bishwajit Das and Durjoy Majumder	Differences of HLA Gene Regulatory Network in Human Myeloid and Lymphoid Leukemias
12	Tawseef Shaikh and Rashid Ali	Combating Breast Cancer by an Intelligent Ensemble Classifier Approach

Track 2

S. No	Authors	Paper Entitled
1	Nikita Soni, Shine Devarajan and Nikhil Gadewal	The effect of p14ARF and YY1 peptides in MDM2-p53 mediated oncogenic pathway: An in silico perspective
2	Abishi Chowdhury and Shital Raut	A QoS alert Scheduling based on Q-learning for Medical Wireless Body Area Network
3	Subrata Sinha and Surabhi Johari	Performance Evaluation of AI Based Load Balancing Algorithm (Reinforcement Learning) with other load balancing algorithms in a JPPF Grid: E.coli Genome Sequence Alignment Problem
4	Rajnish Kumar, Manoj Kumar Pal and Tapobrata Lahiri	Study on correlations between expressions of different biomolecule pairs to understand effect of molecular crowding in biogenesis of circular RNA
5	Babita Verma, S Pushpavanam and Rajanikanth Vadigepalli	Characterizing different class of patients based on their liver regeneration capacity post hepatectomy and the prediction of safe future liver volume for improved recovery.
6	Rajkumar Chakraborty and Yasha Hasija	miDerma: An Integrated Database and Tool for Analysis of miRNAs associated with Dermatological Disorders
7	Balanand Jha, Kumar Abhishek and Akshay Deepak	A Survey of Phylogenetic Databases
8	Viacheslav Antsiperov and Himanshu Rai	Multiscale Correlation Analysis based Detection/Segmentation of High Amplitude Theta Bursts in Long-Term EEG Records
9	Mahima Satsangi, Mahima Yadav and Prem Sewak Sudhish	License Plate Recognition: A Comparative Study on Thresholding, OCR and Machine Learning Approaches
10	Arti Bommireddipalli and Prem Sewak Sudhish	An Optical High Resolution Fingerprint Reader for Children
11	Shivangi Giri, Ravi Prakash Tewari and Dr. J. K. Rai	Significant Lower Limb Muscles in Walking and Running for Design of Low-Cost Swing-Assist Rehabilitation Device
12	Mohamed Ahmed and Lars Christensen	EEG Emotion Detection Using Multi-Model Classification

Day 2 : 27/10/2018 (2:00 pm to 5:30 pm)

Track 1

S. No	Authors	Paper Entitled
1	Shreya Kumari, Priyanka Narad and Abhishek Sengupta	Identification of target analogues of E3 ubiquitin ligase involved in the incidence of breast cancer: A rational drug designing approach.
2	Parva Sharma and Shibasish Chowdhury	Evolutionary process of Glutamate Synthase Protein Family within the cyanobacteria: An In-silico Analysis
3	Shyantani Maiti and Pralay Mitra	Protein Design Assisted Residue Conservation and Functional Stability Analysis for Bacterial Chemotaxis
4	Priyansh Srivastava, Rajesh Pal and Dr. Gauri Misra	Comparative modeling and virtual screening to discover potential competitive inhibitors targeting the 30s ribosomal subunit S2 and S9 in <i>Acinetobacter baumannii</i>
5	Priyanka Kumari and Anup Som	Genome wide computational identification of regulatory RNAs in rice plant pathogen <i>Xanthomonas oryzae</i>
6	Rasana Paul, Silla Devi Yumnam, Dipshikha Gogoi, Devo Kanta Pegu and Surabhi Johari	Exploring the possible mechanism of <i>Piper nigrum</i> against PPAR γ receptor protein responsible for colorectal cancer
7	Rajbir Kaur and Vikas Kaushik	In Silico Peptide based Vaccine Identification against Swine Influenza Virus
8	Divya Khanna	Genome-wide prediction and analysis of siRNA as potential antiviral agent against Hepatitis-C virus
9	Alka Jadaun, Sourabh Prakash and Sourabh Gupta	Identification of Novel Inhibitors Against HPV16/18-E7 for Cancer Therapy
10	Utkarsh Raj, Saurav Mishra, Chakshu Bhatia and Gaurav Harit	A Comprehensive Knowledgebase on Cancer Epigenetics
11	Rahul Semwal and Ritu Jaiswal	A Novel Map-Reduce Framework For Protein Motif Discovery using de-Brujin Graph
12	Alokita Jaiswal and Imlimaong Aier	Exploring gene expression levels in pancreatic ductal adenocarcinoma (PDAC) using RNA-Seq data

Track 2

S. No	Authors	Paper Entitled
1	Dipshikha Gogoi, Ratul Saikia, Devo Kanta Pegu, Subrata Sinha, Surabhi Johari and Rasana Paul	Combining Virtual Screening, Molecular Docking and Simulation studies towards the discovery of β -secretase (BACE) inhibitors
2	Abhishek Soni and Vikas Kaushik	In Silico Identification of Inhibitors as Antagonist for HCV Treatment
3	Arpit Srivastava and Vikas Kaushik	Computational Drug Discovery Approach for Drug Design against Zika Virus
4	Kalpna Katiyar	Structure based drug designing against Inosine Monophosphate Dehydrogenase Receptor of <i>Cryptosporidium parvum</i>
5	Anamika Yadav and Pramod Katara	In-silico mining of SNP-effects on structural properties of CYP2C9 and their consequences
6	Mrinalini Prasad, Ambika Chaturvedi, Pooja Saraswat, Prem Kumar Dantu and Rajiv Ranjan	Genome wide analysis of AP2/ERF in <i>Arachis duranensis</i> :An in silico approach
7	Rashmi Tyagi, Dhruv Kumar and V. Samuel Raj	In silico identification of potential inhibitors against Mycobacterial proteasome
8	Anju Sharma, Rajnish Kumar	Prediction of Elimination of Compounds Using Artificial Intelligence Techniques
9	Imlimaong Aier and Sher Khan	Exploring the Effect of Wild Type and Mutant ELF4 Transcriptional Factor on Oral Cancer Using High-Throughput Sequencing Data
10	Pankaj Tyagi and Vishal Singh	Decorrelation of humidity and temperature sensors by comparing classifiers performance on metal oxide semiconductor (MOS) dataset

Day 2 : 27/10/2018 (Poster Session)

S. No	Authors	Paper Entitled
1	Hiroshi Yoshida	A model of regenerating pattern using multivariable polynomials- Polynomial Life
2	Sanjeet Kumar Mahtha and Dr. Gitanjali Yadav	Comparative Genomics of START Domains in the Plant Kingdom
3	Murugan Avaniyapuram Kannan	Comprehensive analysis of TCGA data for mutational landscapes of GPCR-mediated PI3K pathway genes (LPAR4- PIK3CA-PTEN) in pan-cancers
4	Niranjan Kumar	Hybrid approach to screen chemical libraries against Mycobacterium tuberculosis
5	Neelam Chandra, Shraddha Vishwakarma and Pramod Katara	In silico characterization of pathogenic and associated genes involved in bovine mastitis
6	Anil Kumar Singh	Protein Secondary Structure Prediction and Automated Comparative modeling of Bacterial Derived Lignin Peroxidase Enzyme
7	Arindam Ghosh and Anup Som	RNA-Seq reveals the candidate genes and their interaction in human pluripotency.
8	Timothy Goodale	Utilization of a Tree-Based Alignment Selector (T-BAS) in Ongoing Bioinformatics Research Focused on Geminiviruses in Cassava Plants
9	Mrinalini Prasad and Prem Kumar Dantu	Functional characterization of transcriptomes in leaf and spike of Piper longum L