محل برگزاری همایش: دانشگاه تهران، پردیس علوم، تالار شهید دهشور

Tuesday, 7:00- 8:00, Reception

Tuesday, 8:00- 8:30, Opening Ceremony

Tuesday, 8:30- 10:10, Lecture session 1

Time	Lecturer	Topic
8:30 – 9:00	Dr Mehdi Sadeghi	Cellular variation, noise and data analysis
9:00– 9:30	Dr Esmaeil Ebrahimi	Application of data mining in prediction of tumor response using transcriptomic, epigenomic, and lipidomic data
9:30-9:50	Dr Mostafa Ghaderi	Detecting Repetitive DNA Sequences in the Genome of Dairy Cattle Using Fourier Transform
9:50-10:10	Ehsan Sepahi	Receptor-like proteins (RLPs) and kinases are major classes of resistance genes in saffron (crocus sativus)

Tuesday, 10:10-11:00, Poster session 1

Tuesday, 11:00- 12:30, Lecture session 2

Time	Lecturer	Topic
11:00 – 11:30	Dr Mehdi Mirzaei	Biological big data:challenges and opportunities
11:30 – 11:50	Dr Marzie Ebrahimi	System analysis of Micro RNA regulation of invasiveness and stemness in melanoma
11:50– 12:10	Dr Zarrin Minuchehr	Chameleon sequences
12:10-12:30	Milad Bastami	The miRNA Targetome of Coronary Artery Disease is Perturbed by Functional Polymorphisms Identified and Prioritized by in-depth Bioinformatics Analyses Exploiting Genome-wide Association Studies

Tuesday, 12:30-14:00, Praying, Launch and Resting

Tuesday, 14:00- 15:50, Lecture session 3

Time	Lecturer	Topic
14:00 – 14:30	Dr Shahriar Arab	Structural Bioinformatics: The advantages and limitations
14:30 - 14:50	Dr Rohollah Firouzi	PHCD: a database of natural chemical compositions of Persian medicinal herbs
14:50 – 15:10	Najme Salehi	Construction of Structural Libraries for Intrinsically Disordered Proteins
15:10-15:30	Hossein Mohammadian	Enhancing TEV protease solubility via increasing netcharge and decreasing aggregation-prone areas
15:30-15:50	Fatemeh Arabi Jeshveghani	Computational Design of Cyclic Peptide Inhibitors of RAS Through Mimicking of Protein-Protein Interaction

Tuesday, 15:50 -17:00, Poster session 2

Wednesday, 8:00 - 9:50, Lecture session 4

Time	Lecturer	Topic
8:00 – 8:30	Dr Hamid Reza Rabiei	Applications of Big Data Analytics and Machine Learning in Bioinformatics (A Survey)
8:30 – 9:00	Dr Mojtaba Ganjali	The concept of p-value and its application in biostatistics
9:00 – 9:20	Dr Arash Ardalan	On the application of quantile regression and quantile semiparametric regression to the genetic studies
9:20– 9:40	Neda Pirmoradi	Solving Mathematical Model Corresponding to the Effect of Obesity on Cancer Growth

Wednesday, 10:0-11:00, Poster session 3

Wednesday, 11:00 - 12:30, Lecture session 5

Time	Lecturer	Topic
11:00 – 11:30	Dr Kaveh Kavousi	Application of Ensemble Methods in Bioiormatics of Disease
11:30 – 11:50	Dr Javad Zahiri	Imbalanced classification in bioinformatics
11:50 – 12:10	Leila Jafari	Application of self-organizing maps in biomedical image analysis using generalized co-occurrence matrix
12:10 – 12:30	Hakimeh Moghaddam	Using Heterogeneous Feature Fusion in Drug-Disease Interactions Prediction

Wednesday, 12:30-14:00, Praying, Launch and Resting

Wednesday, 14:00 - 15:50, Lecture session 6A

Time	Lecturer	Topic
14:00 – 14:30	Dr Sayed-Amir Marashi	Constraint-based modeling of metabolic systems
14:30 - 14:50	Dr Changiz Eslahchi	Protein multi-location prediction: utilizing recommender systems and protein-protein interactions
14:50 – 15:10	Soad Ghabeshi	Integrative Analysis of Gene Expression Profiles Reveals Deregulation of the Innate Immune Response Genes in the Pediatric Patients with Influenza: A Network Based Study
15:10-15:30	Javad Harati	Francisella tularensis: In silico Identification of Drug and Vaccine Targets by Metabolic Pathway Analysis

Wednesday, 14:00 - 15:50, Lecture session 6B

Time	Lecturer	Topic
14:00 – 14:20	Dr Ali Younesi	How information technology is revolutionizing our understanding of the brain
14:20 - 14:40	Dr Reza Khosroabadi	Understanding of the brain structure and function
14:40 – 15:00	Dr Reza Lashgari	Neural Information Processing in Awake and Anesthesia Primate Visual Cortex
15:00-15:20	Dr Zahra Fazeli	Bioinformatics prediction of miR-510 target genes in the nervous

	Attar	system: new therapeutic targets for neurological diseases
15:20-15:40	Maryam Shafiei Sarvestani	Diagnosis and Classification of EEG brain signals into two categories: healthy and contain seizures using linear prediction deficit

Wednesday, 15:50-17:00, Closing Ceremony