Session 1 (1:30pm – 3:30pm)

1:30pm – 2:00pm
Critical Protein Detection in Dynamic PPI Networks with Multi-source Integrated Deep Belief Nets.
Yuan Zhang, Nan Du, Kang Li, Kebin Jia, and Aidong Zhang.

2:00pm – 2:30pm
Local k-Core Clustering for Gene Networks.
Yizong Cheng, Chen Lu, and Nan Wang.

2:30pm – 3:00pm
A Comparison of Protein-Chemical Interaction Prediction Algorithms with Multi-Task Learning.
Sai Nivedita Chandrasekaran, Hongliang Fei, and Jun Huan.

3:00pm – 3:30pm
Understanding Synergetic Activities of Fuzi-Dahuang Herb Pairs Based on Network Pharmacology.
Yong Tan, Jian Li, Cheng Lu, Miao Jiang, Li Li, Xiaojuan He, Xuejie Han, and Aiping Lu.

Session 2 (3:40pm – 5:10pm)

3:40pm – 4:10pm
Identification of microRNA regulatory module via correlated correspondence regulatory module model.
Shuang Cheng, Maozu Guo, Chunyu Wang, Xiaoyan Liu, and Yang Liu.

4:10pm – 4:40pm
Towards Simultaneous Clustering and Motif-Modeling for a Large Number of Protein Families.
YoungJoon Yoo, Tushar Sandhan, Jinyoung Choi, and Sun Kim.

4:40pm – 5:10pm
Signaling Pathway Prediction by Path Frequency in Protein-Protein Interaction Networks.
Yilan Bai, Greg Speegle, and Young-Rae Cho.