

Joint workshops with International Workshop on Biological Network Analysis and Integrative Graph-Based Approaches (IWBNA 2018) and International Workshop on Deep Learning in Bioinformatics, Biomedicine, and Healthcare Informatics (DLB2H 2018)

Date, Time: 2pm – 6:30pm; Room: Madrid 2+3

Workshop Chairs: Jung Hun Oh, Mingon Kang, and Young-Rae Cho

Time	Title	Presenter/Author
2:00-2:20	Computer-Aided Diagnosis and Localization of Glaucoma Using Deep Learning	Mijung Kim, Ho-min Park, Jasper Zuallaert, Olivier Janssens, and Wesley De Neve
2:20-2:40	Using Deep Learning to classify X-ray images of potential Tuberculosis patients	Kalpdrum Passi, Ojasvi Yadav, and Chakresh Jain
2:40-3:00	Using transfer learning for classification of gait pathologies	Tanmay Verlekar, Paulo Correia, and Luís Soares
3:00-3:20	End-to-end prediction of protein-protein interaction based on embedding and recurrent neural networks	Francisco Gonzalez-Lopez, Juan A. Morales-Cordovilla, Amelia Villegas-Morcillo, Angel M. Gomez, and Victoria Sanchez
3:20-3:40	Analysis for Early Seizure Detection System Based on Deep Learning Algorithm	Fuxu Wang, Mingrui Sun, Tengfei Min, Yueying Wang, Chunpu Liu, Tianyi Zang, and Yadong Wang
3:40-4:00	Semi-supervised Deep Linear Discriminant Analysis	Lei Cui, Jun Feng, and Lin Yang
4:00-4:30	Coffee Break	
4:30-4:50	Brain MRI Segmentation using efficient 3D Fully Convolutional Neural Networks	Ghazala Khan and Naimul Mefraz Khan
4:50-5:10	Protein Family Classification with Multi-Layer Graph Convolutional Networks	Da Zhang and Mansur Kabuka
5:10-5:30	Domain-Aware Abstractive Text Summarization for Medical Documents	Paul Gigioli, Nikhita Sagar, Joseph Voyles, and Anand Rao
5:30-5:50	L-FCN: A lightweight fully convolutional network for biomedical semantic segmentation	Kaiyue Li, Guangtai Ding, and Haitao Wang
5:50-6:10	A BCHC genetic algorithm model of cotemporal hierarchical Arabidopsis thaliana gene interactions	Bree LaPointe, David John, James Norris, Edward Allen, Alexandria Harkey, Joelle Muhlemann, and Gloria Muday
6:10-6:30	INDEED: R package for network based differential expression analysis	Zhenzhi Li, Yiming Zuo, Chaohui Xu, Rency Varghese, and Habtom Ressonm
6:30	Closing Remarks	