

The 5th International Workshop on Deep Learning in Bioinformatics, Biomedicine, and Healthcare Informatics (DLB2H 2021)

Date and Time: December 9

Workshop Chairs: Mignon Kang and Jung Hun Oh

Time	Title	Presenter/Author
9:00am-9:10am	Welcome	Workshop Chair
9:10am-9:30am	B261 A high specificity deep learning approach with focus on breast cancer screening	Pedro Vilares, João Ferreira, Luís Silva, and Augusto Silva
9:30am-9:50am	B352 Human Age Estimation from Gene Expression Data using Artificial Neural Networks	Salman Mohamadi, Nasser M. Nasrabadi, Gianfranco Doretto, and Donald Adjeroh
9:50am-10:10am	B388 A New Method Based on Deep Learning to Detect Lesions in Retinal Images using YOLOv5	Carlos Santos, Marilton Aguiar, Daniel Welfer, and Bruno Belloni
10:10am-10:30am	B472 Classification of Chest x-ray images to Detect Pneumonia using CNN and Transfer Learning	Mustafain Rehman, Qiao Pan, Dehua Chen, and Arslan Manzoor
10:30am-10:50am	B609 Extracting Disease-Relevant Features with Adversarial Regularization	Junxiang Chen, Li Sun, Ke Yu, and Kayhan Batmanghelich
10:50am-11:10am	B621 Extracting Semantics of Predicates From Millions of Bio-Medical Abstracts for Inferencing New Biological Key Events and Relationships	Chih Lai, Dalma Martinović-Weigelt, Aline Serrao De Filippo, Stefan Krämer, and Carolin Poschen
11:10am-11:30am	B800 Detecting Drug-Drug Interactions using Protein Sequence-Structure Similarity Networks	Saminur Islam, Ahmed Abbasi, Nitin Agarwal, Wanhong Zheng, Gianfranco Doretto, and Donald Adjeroh
11:30am-11:50am	B820 Evaluating the pre-processing impact on the generalization of deep learning networks for left ventricle segmentation	Matheus Ribeiro and Fátima Nunes
11:50am-12:10pm	B828 A Deep Learning Model for 16S rRNA Classification with Taxonomic Tree Embedding	Yue Jiang, Lin Shen, Don Adjeroh, and Jie Lin
Closing Remarks		