1st International Workshop on Artificial Intelligence in Drug Discovery and Drug Repositioning (IA-DDDR 2024)

Time	Title	Presenter/Author
9:00am – 10:50am	(B1568) *A Disease-Drug Interaction Prediction Framework Based on Knowledge Graph and Graph Contrastive Learning for Recommendation System*	ZhongWei An, Jiajie Xing, and Xianguo Zhang
	(S24203) *Comparative Analysis of Attention-based Models for Drug-Target Interaction Prediction*	Gwang-Hyeon Yun and Young-Rae Cho
	(B1170) *MDMD: A Computational Model for Predicting Drug-Related Microbes Based on the Aggregated Metapaths from a Heterogeneous Network*	Jiajie Xing, Yuan Zhang, Jiaxuan Wang, and Juan Wang
	(S24205) *Mitigating Oversmoothing in Hypergraph Neural Networks for Enhanced Cancer-Driver Gene Prediction*	Sang-Pil Cho and Young-Rae Cho
	(B624) *Synthetic Data from Diffusion Models Improves Drug Discovery Prediction*	Bing Hu, Ashish Saragadam, Anita Layton, and Helen Chen
10:50am – 11:00am	**Coffee Break**	
11:00am – 12:50pm	(B1651) *A Multi-view Nested Contrastive Learning Framework for Predicting Drug-Drug Interaction Events*	Dongxu Li, Yue Yang, Guodong Li, Pengwei Hu, and Lun Hu
	(S24202) *Computational Disease-Gene Association Prioritization Using Graph Neural Networks and Attention Mechanisms*	Jong-Hoon Park and Young-Rae Cho
	(B367) *Utilizing Comprehensive Biological Network to Improve Accuracy of Computational Drug Repurposing*	Aleksandar Poleksic
	(S24204) *Comparative Evaluation and Data Analysis for Drug Toxicity Prediction*	Jae-Woo Chu and Young-Rae Cho
	(B325) *Generating Anticancer Peptides Sequences Using Seq2Seq Modelling and Machine Learning Methods*	Muhammad Sohail Ibrahim and Shujaat Khan
	Closing Remarks	