IlJung Jin

Ph.D. Student

Contact Information

Bioinformatics and Intelligence Lab.

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Education

Mar, 2017 - Present	Ph.D. Student in Electrical Engineering and Computer Science (GPA: 4.33/4.5) at Gwangju Institute of Science and Technology (GIST), Gwangju, Republic of Korea
Mar, 2013 - Feb, 2017	B.S. in Computer & Information Technology (GPA: 4.26/4.5, Salutatorian) at Inha University, Incheon, Republic of Korea

Research Areas

- AI-based anti-cancer drug prediction

- Bioinformatics, Chemoinformatics

- Machine learning, Deep learning

- Cancer genomics

Publications (Peer Reviewed)

IlJung Jin, Hojung Nam*, "HiDRA: Hierarchical Network for Drug Response Prediction with Attention.", Journal of Chemical Information and Modeling 61.8 (2021): 3858-3867.

Wan-Su Choi, Gyuseok Lee, Won-Hyun Song, Jeong-Tae Koh, Jiye Yang, Ji-Sun Kwak, Hyo-Eun Kim, Seul Ki Kim, Young-Ok Son, Hojung Nam, IlJung Jin, Zee-Yong Park, Jiyeon Kim, In Young Park, Jeong-Im Hong, Hyun Ah Kim, Churl-Hong Chun, Je-Hwang Ryu*, Jang-Soo Chun*, "The CH25H–CYP7B1–RORα axis of cholesterol metabolism regulates osteoarthritis", Nature 566.7743 (2019): 254-258.

Conferences/Presentations

2018	IlJung Jin, Hojung Nam*, "Genome-wide transcriptome analysis of osteoarthritis with protein-protein interaction network", ISMB 2018, Chicago, Illinois, USA, July 6-10, 2018

Awards

Dec, 2021	RA Scholarship (Research), GIST
Dec, 2019	RA Scholarship (Outstanding Ph.D. Student), GIST
2017-2022	Full Government Scholarship (Ph.D. program)
2017-2022	Gist Presidential Fellowship, GIST

Technical Skills

Programming language (Python, R, C++)

Machine Learning (Scikit-learn) and Deep learning (tensorflow with keras)

Genomics data processing (Genomics, Transcriptomics)

Chemical data processing (RDKit)

Bio-network processing (Protein-Protein Interaction network, Pathway)

Cluster server management

Languages

Korean: Native

English: Professional (TOEIC 900/990)

Japanese: Full Professional (JLPT N1 180/180)

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