

Curriculum Vitae
Dongok Nam

Personal Information

Nationality	Republic of Korea
Address	123, Cheomdangwagi-ro, Buk-gu, Gwangju, Republic of Korea
Phone	+82 10-6361-7674
Office	+82-62-715-2287
Email	dongoknam@gm.gist.ac.kr

Research Interest

Drug discovery, Precision medicine, Artificial intelligence, Supervised learning, Computational biology

Education

Sep, 2023 – Present	Ph.D. Candidate in Electrical Engineering and Computer Science Gwangju Institute of Science and Technology Supervisor: Prof. Hojung Nam
Sep, 2019 – Aug, 2021	M.S. in Electrical Engineering and Computer Science Gwangju Institute of Science and Technology Supervisor: Prof. Hojung Nam
Mar, 2014 – Aug, 2019	B.S. in Genetic Engineering Kyunghee University

Work Experience

Gwangju Institue of Science and Technology

Bioinformatics and Intelligence Laboratory

Sep, 2019 – Aug, 2021

- Prediction of the drug-specific activity of CYP2C9 using deep learning method
 - Developing the deep learning framework to predict the drug-specific activity of CYP2C9
 - Collecting the drug-specific bioassay data of CYP2C9 variants from literatures and processing the protein and drug information
 - Representing the single amino acid mutation effect on drug-metabolizing activities using pretrained protein embedding using BERT-based model
 - Modeling the interaction between protein and drug using convolutional neural networks and deep neural networks
 - Use Keras and Tensorflow framework, Pandas, and RDKit

Skills

Python, PyTorch, Tensorflow, Pandas, RDKit, Scikit-learn

Activity & awards

Full government scholarship (Ph.D. program)	2023.09 – Present
Student Research Scholarship	2023.
Full government scholarship (M.S. program)	2019.09 - 2021.08