



Name	Inuk Jung
Affiliation	Kyungpook National University
Country	Republic of Korea
Major Field	Bioinformatics

Educational Background

PostDoc - Research Fellow, Bioinformatics Institute, Seoul National University, Seoul, Korea, 2019

PhD - Interdisciplinary Program in Bioinformatics, Seoul National University, Seoul, Korea, 2017 (Advisor: Sun Kim)

Masters - Computer Science, Yonsei University, Seoul, Korea, 2007

Bachelor - Computer Science, Canterbury University, Christchurch, New Zealand, 200

Professional Experience

2019-present - Associate Professor at Kyungpook National University

2007-2011 - LG Electronics, 4G (LTE-3GPP/WiMAX) mobile communication technology developer

Main Scientific Publications

1. Jaemin Jeon et al., "MOPA: An Integrative Multi-Omics Pathway Analysis Method for Measuring Omics Activity", PLOS ONE 2023
2. Inuk Jung et al., "MONTI: A Multi-Omics Non-negative Tensor Decomposition Framework for Gene-Level Integrative Analysis", Frontiers in Genetics, 2021
3. Sohyun Youn et al., "Identification of Severity Related Mutation Hotspots in SARS-CoV-2 Using a Density-Based Clustering Approach", BMC BioData Mining 2025
4. Seokhwan Seong et al., "SynchDP: A Correlation Based Sequence Alignment Algorithm for Synchronizing Longitudinal Clinical Data", Computers in Biology and Medicine 2025
5. Eonyong Han et al., "A review on multi-omics integration for aiding study design of large scale TCGA cancer datasets", BMC Genomics 2025
6. Seung Hwan Bae et al., "Profiling short-term longitudinal severity progression and associated genes in COVID-19 patients using EHR and single-cell analysis", Scientific Reports 2025
7. Jeon, Jaemin, et al. "EpicPred: predicting phenotypes driven by epitope-binding TCRs using attention-based multiple instance learning." Bioinformatics 2025