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Research Interests

- Population/Statistical Genetics, Epidemiology and Causal Inference

Publications

Journals

First author, Corresponding author[†]

1. **Lee H[†]**, and Han B[†]. "FastRNA: an efficient exact solution for PCA of single-cell RNA sequencing data based on a batch-accounting count model". *American Journal of Human Genetics*. 2022
2. **Lee H[†]**, and Han B[†]. "A theory-based practical solution to correct for sex-differential participation bias". *Genome Biology*. 2022
3. Kim C, **Lee H**, Jung JH, Jung KH[†], and Han B[†]. "MarcoPolo: a method to discover differentially expressed genes in single-cell RNA-seq data without depending on prior clustering". *Nucleic Acids Research*. 2022

Education

Academic Qualifications

- **Seoul National University College of Medicine** **Seoul, Republic of Korea**
Doctor of Medicine 2016 – Present
- **Seoul National University** **Seoul, Republic of Korea**
Bachelor of Mathematics 2017 – Present

Technical and Personal skills

- **Programming Languages:** Python, R and C/C++
- **Web programming:** HTML/CSS and Javascript