

# Hanbin Lee | Updated 2022.09.18

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## Research Interests

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- Population/Statistical Genetics, Epidemiology and Causal Inference

## Publications

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### Journals

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**First author**, Corresponding author<sup>†</sup>

1. **Lee H<sup>†</sup>**, and Han B<sup>†</sup>. "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<sup>†</sup>**, and Han B<sup>†</sup>. "A theory-based practical solution to correct for sex-differential participation bias". *Genome Biology*. 2022
3. Kim C, **Lee H**, Jung JH, Jung KH<sup>†</sup>, and Han B<sup>†</sup>. "MarcoPolo: a method to discover differentially expressed genes in single-cell RNA-seq data without depending on prior clustering". *Nucleic Acids Research*. 2022

## Education

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### Academic Qualifications

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| ○ <b>Seoul National University College of Medicine</b> | <b>Seoul, Republic of Korea</b> |
| ○ <i>Doctor of Medicine</i>                            | <i>2016 – Present</i>           |
| ○ <b>Seoul National University</b>                     | <b>Seoul, Republic of Korea</b> |
| ○ <i>Bachelor in Mathematics</i>                       | <i>2017 – Present</i>           |

## Technical and Personal skills

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