



Kernyu Park, M.A.

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in parkk93

🌐 <http://kernyu.github.io/>

Education


- 2016 – 2019  **M.A. Columbia University** Department of Biomedical Informatics
Thesis title: *put MA title here*.
- 2012 – 2016  **B.A. Columbia University** Biology.

Research Publications




Journal Articles

- 1 Z. Miao, J. Wang, K. Park, D. Kuang, and J. Kim, “Depth-corrected multi-factor dissection of chromatin accessibility for scatac-seq data with pacs,” *Nature Communications*, vol. 16, no. 1, pp. 1–15, 2025.
- 2 G. Lasso, S. V. Mayer, E. R. Winkelmann, *et al.*, “A structure-informed atlas of human-virus interactions,” *Cell*, vol. 178, no. 6, pp. 1526–1541, 2019.
- 3 Y. Kim, K. H. Kim, J. Lee, *et al.*, “Wnt activation is implicated in glioblastoma radioresistance,” *Laboratory investigation*, vol. 92, no. 3, pp. 466–473, 2012.

Research Experience



- Aug. 2024 –  **Research Fellow**, Emory University School of Medicine
Department of Hematology and Medical Oncology
- Jan. 2023 – Jul. 2024  **Visiting Scholar**, University of Pennsylvania
Department of Biology
- Oct. 2020 – Sep. 2022  **Research Scientist**, AITRICS
Functional/structural protein assay of treatment-resistant cancer patients
- Jan. 2019 – Sep. 2020  **Project Manager**, JLK
CT-based stroke detection

Skills



- Languages  Strong reading, writing and speaking competencies for English and Korean
- Coding  Python, R, SQL, \LaTeX , . . .
- Misc.  Academic research, teaching, training, consultation, \LaTeX typesetting and publishing.

Miscellaneous Experience

Leadership/Recognition

- 2024-  **Instructor**, Instruction of various basic laboratory procedures, such as mouse breeding and weaning, in vivo imaging using IVIS Spectrum, gel electrophoresis, genotyping, plasma/PBMC extraction followed by DNA extraction
- 2020  **Squad leader**, Led a squad of twelve soldiers during basic training phase of mandatory military training in the Korean army

Miscellaneous Experience (continued)

- 2019-2022  **Project Manager, JLK**, Coordinated weekly meetings with radiologists and held regular journal club with colleagues on topics related to medical image-based neural network
- 2016-2018  **Leader, Live Production Team**, Led sound/light engineering team and coordinated live production every Friday and Sunday and broadcast to YouTube.

References

Available on Request