

Stanford



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Ph.D. Student in Computer Science, admitted Autumn 2020

Bio

LINKS

- <https://kangminji.com>: <https://kangminji.com>

Research & Scholarship

LAB AFFILIATIONS

- Aaron Newman (6/21/2021)

Publications

PUBLICATIONS

- **Non-invasive profiling of the tumour microenvironment with spatial ecotypes.** *Nature*
Zhang, W., Brown, E. L., Usmani, A., Earland, N., Kang, M., Olelewe, C., Viswanathan, A., Chauhan, P. S., Steen, C. B., Jeon, H. S., Avagyan, S., Alahi, I., Semenkovich, et al
2026
- **Liquid biopsy profiling of the tumor microenvironment to determine response to immunotherapy regimens across solid tumors.**
Brown, E. L., Zhang, W., Usmani, A., Earland, N., Hashmi, A., Olelewe, C., Viswanathan, A., Chauhan, P. S., Kang, M., Steen, C. B., Jeon, H., Avagyan, S., Alahi, et al
AMER ASSOC CANCER RESEARCH.2026: 94
- **Improved reconstruction of single-cell developmental potential with CytoTRACE 2.** *Nature methods*
Kang, M., Gulati, G. S., Brown, E. L., Qi, Z., Avagyan, S., Armenteros, J. J., Gleyzer, R., Zhang, W., Steen, C. B., D'Silva, J. P., Schwab, J., Clarke, M. F., Chaudhuri, et al
2025
- **High-resolution alignment of single-cell and spatial transcriptomes with CytoSPACE.** *Nature biotechnology*
Vahid, M. R., Brown, E. L., Steen, C. B., Zhang, W., Jeon, H. S., Kang, M., Gentles, A. J., Newman, A. M.
2023
- **Deep hierarchical embedding for simultaneous modeling of GPCR proteins in a unified metric space.** *Scientific reports*
Lee, T., Lee, S., Kang, M., Kim, S.
2021; 11 (1): 9543
- **Learning Cell-Type-Specific Gene Regulation Mechanisms by Multi-Attention Based Deep Learning With Regulatory Latent Space** *FRONTIERS IN GENETICS*
Kang, M., Lee, S., Lee, D., Kim, S.
2020; 11: 869
- **RansomBlocker: a Low-Overhead Ransomware-Proof SSD**
Park, J., Jung, Y., Won, J., Kang, M., Lee, S., Kim, J., ACM

