



Erin Brown

Ph.D. Student in Computational and Mathematical Engineering, admitted Autumn 2015

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
- **Charting spatially resolved cell states with CytoSPACE.** *Nature reviews. Cancer*
Brown, E. L.
2024
- **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