



Kathryn Yost

Ph.D. Student in Cancer Biology, admitted Autumn 2016

 Curriculum Vitae available Online

Bio

HONORS AND AWARDS

- NCI F99/K00 Predoctoral to Postdoctoral Transition Award, National Cancer Institute (2020)
- NSF Graduate Research Fellowship, National Science Foundation (2016)
- Stanford Graduate Fellowship (Smith Fellowship), Stanford University (2016)

EDUCATION AND CERTIFICATIONS

- Bachelor of Science, Washington and Lee University, Biochemistry (2014)

STANFORD ADVISORS

- Howard Chang, Doctoral Dissertation Advisor (AC)

Publications

PUBLICATIONS

- **Single-Cell Analyses Identify Brain Mural Cells Expressing CD19 as Potential Off-Tumor Targets for CAR-T Immunotherapies.** *Cell*
Parker, K. R., Migliorini, D., Perkey, E., Yost, K. E., Bhaduri, A., Bagga, P., Haris, M., Wilson, N. E., Liu, F., Gabunia, K., Scholler, J., Montine, T. J., Bhoj, et al
2020
- **Impaired mitochondrial oxidative phosphorylation limits the self-renewal of T cells exposed to persistent antigen.** *Nature immunology*
Vardhana, S. A., Hwee, M. A., Berisa, M., Wells, D. K., Yost, K. E., King, B., Smith, M., Herrera, P. S., Chang, H. Y., Satpathy, A. T., van den Brink, M. R., Cross, J. R., Thompson, et al
2020
- **Spn links RNA-mediated endogenous retrovirus silencing and X chromosome inactivation.** *eLife*
Carter, A. C., Xu, J., Nakamoto, M. Y., Wei, Y., Zarnegar, B. J., Shi, Q., Broughton, J. P., Ransom, R. C., Salhotra, A., Nagaraja, S. D., Li, R., Dou, D. R., Yost, et al
2020; 9
- **Human B Cell Clonal Expansion and Convergent Antibody Responses to SARS-CoV-2.** *Cell host & microbe*
Nielsen, S. C., Yang, F. n., Jackson, K. J., Hoh, R. A., Röltgen, K. n., Jean, G. H., Stevens, B. A., Lee, J. Y., Rustagi, A. n., Rogers, A. J., Powell, A. E., Hunter, M. n., Najeeb, et al
2020
- **Rapid and reversible suppression of ALT by DAXX in osteosarcoma cells.** *Scientific reports*
Yost, K. E., Clatterbuck Soper, S. F., Walker, R. L., Pineda, M. A., Zhu, Y. J., Ester, C. D., Showman, S., Roschke, A. V., Waterfall, J. J., Meltzer, P. S.
2019; 9 (1): 4544
- **Clonal replacement of tumor-specific T cells following PD-1 blockade.** *Nature medicine*

Yost, K. E., Satpathy, A. T., Wells, D. K., Qi, Y. n., Wang, C. n., Kageyama, R. n., McNamara, K. L., Granja, J. M., Sarin, K. Y., Brown, R. A., Gupta, R. K., Curtis, C. n., Bucktrout, et al
2019

● **Tracking the immune response with single-cell genomics.** *Vaccine*

Yost, K. E., Chang, H. Y., Satpathy, A. T.
2019

● **Massively parallel single-cell chromatin landscapes of human immune cell development and intratumoral T cell exhaustion.** *Nature biotechnology*

Satpathy, A. T., Granja, J. M., Yost, K. E., Qi, Y. n., Meschi, F. n., McDermott, G. P., Olsen, B. N., Mumbach, M. R., Pierce, S. E., Corces, M. R., Shah, P. n., Bell, J. C., Jhutti, et al
2019; 37 (8): 925–36

● **Promoter of lncRNA Gene PVT1 Is a Tumor-Suppressor DNA Boundary Element.** *Cell*

Cho, S. W., Xu, J., Sun, R., Mumbach, M. R., Carter, A. C., Chen, Y. G., Yost, K. E., Kim, J., He, J., Nevins, S. A., Chin, S., Caldas, C., Liu, et al
2018; 173 (6): 1398

● **ATAC Primer Tool for targeted analysis of accessible chromatin** *NATURE METHODS*

Yost, K. E., Carter, A. C., Xu, J., Litzgenburger, U., Chang, H. Y.
2018; 15 (5): 304–5

● **Pembrolizumab for advanced basal cell carcinoma: an investigator-initiated, proof-of-concept study.** *Journal of the American Academy of Dermatology*

Chang, A. L., Tran, D. C., Cannon, J. G., Li, S. n., Jeng, M. n., Patel, R. n., Van der Bokke, L. n., Pague, A. n., Brotherton, R. n., Rieger, K. E., Satpathy, A. T., Yost, K. E., Reddy, et al
2018