

Stanford



Christopher Swart McGinnis

Postdoctoral Scholar, Pathology

NIH Biosketch available Online

Curriculum Vitae available Online

Bio

HONORS AND AWARDS

- Parker Scholar, Parker Institute for Cancer Immunotherapy (2023-2025)
- Irvington Postdoctoral Fellowship, Cancer Research Institute (2022-2025)
- Ruth L. Kirschstein NRSA for Individual Predoctoral Fellows (F31) Award, National Cancer Institute (2020-2021)
- ARCS Foundation Scholar, ARCS (2019-2020)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of California San Francisco (2021)
- PhD, University of California, San Francisco , Biochemistry and Molecular Biology (2021)
- BA, Wesleyan University , Biology; Science in Society; Molecular Biology and Biochemistry (2014)

STANFORD ADVISORS

- Ansuman Satpathy, Postdoctoral Faculty Sponsor

PATENTS

- Zev Gartner, David Patterson, Eric Chow, Christopher McGinnis, Robert Weber. "United States Patent PCT/US2019/040898 Lipid-modified oligonucleotides and methods of using the same", The Regents of the University of California, Sep 1, 2020

LINKS

- Satpathy Lab: <https://satpathylab.com/>
- Twitter: <https://twitter.com/cmcmcinnis92>
- Github: <https://github.com/chris-mcginnis-ucsf>
- LinkedIn: <https://www.linkedin.com/in/chris-mcginnis-66877296/>

Research & Scholarship

LAB AFFILIATIONS

- Ansuman Satpathy (10/26/2021)

Publications

PUBLICATIONS

- **MULTI-seq: sample multiplexing for single-cell RNA sequencing using lipid-tagged indices** *NATURE METHODS*

McGinnistm, C. S., Patterson, D. M., Winkler, J., Conrad, D. N., Hein, M. Y., Srivastava, V., Hu, J. L., Murrow, L. M., Weissman, J. S., Werb, Z., Chow, E. D., Gartner, Z. J.
 2019; 16 (7): 619-+

- **DoubletFinder: Doublet Detection in Single-Cell RNA Sequencing Data Using Artificial Nearest Neighbors** *CELL SYSTEMS*

McGinnis, C. S., Murrow, L. M., Gartner, Z. J.
 2019; 8 (4): 329-+

- **Mapping hormone-regulated cell-cell interaction networks in the human breast at single-cell resolution.** *Cell systems*

Murrow, L. M., Weber, R. J., Caruso, J. A., McGinnis, C. S., Phong, K., Gascard, P., Rabadam, G., Borowsky, A. D., Desai, T. A., Thomson, M., Tlsty, T., Gartner, Z. J.
 2022; 13 (8): 644-664.e8

- **Lineage tracing reveals the phydynamics, plasticity, and paths of tumor evolution.** *Cell*

Yang, D., Jones, M. G., Naranjo, S., Rideout, W. M., Min, K. H., Ho, R., Wu, W., Replogle, J. M., Page, J. L., Quinn, J. J., Horns, F., Qiu, X., Chen, et al
 2022; 185 (11): 1905-1923.e25

- **Single cell enhancer activity distinguishes GABAergic and cholinergic lineages in embryonic mouse basal ganglia.** *Proceedings of the National Academy of Sciences of the United States of America*

Su-Feher, L., Rubin, A. N., Silberberg, S. N., Catta-Preta, R., Lim, K. J., Ypsilanti, A. R., Zdilar, I., McGinnis, C. S., McKinsey, G. L., Rubino, T. E., Hawrylycz, M. J., Thompson, C., Gartner, et al
 2022; 119 (15): e2108760119

- **AMULET: a novel read count-based method for effective multiplet detection from single nucleus ATAC-seq data.** *Genome biology*

Thibodeau, A., Eroglu, A., McGinnis, C. S., Lawlor, N., Nehar-Belaid, D., Kursawe, R., Marches, R., Conrad, D. N., Kuchel, G. A., Gartner, Z. J., Banchereau, J., Stitzel, M. L., Cicek, et al
 2021; 22 (1): 252

- **No detectable alloreactive transcriptional responses under standard sample preparation conditions during donor-multiplexed single-cell RNA sequencing of peripheral blood mononuclear cells** *BMC BIOLOGY*

McGinnis, C. S., Siegel, D. A., Xie, G., Hartoularos, G., Stone, M., Ye, C. J., Gartner, Z. J., Roan, N. R., Lee, S. A.
 2021; 19 (1): 10

- **Human microglia states are conserved across experimental models and regulate neural stem cell responses in chimeric organoids.** *Cell stem cell*

Popova, G., Soliman, S. S., Kim, C. N., Keefe, M. G., Hennick, K. M., Jain, S., Li, T., Tejera, D., Shin, D., Chhun, B. B., McGinnis, C. S., Speir, M., Gartner, et al
 2021

- **ZipSeq: barcoding for real-time mapping of single cell transcriptomes** *NATURE METHODS*

Hu, K. H., Eichorst, J. P., McGinnis, C. S., Patterson, D. M., Chow, E. D., Kersten, K., Jameson, S. C., Gartner, Z. J., Rao, A. A., Krummel, M. F.
 2020; 17 (8): 833-+

- **Cell population structure prior to bifurcation predicts efficiency of directed differentiation in human induced pluripotent cells** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*

Bargaje, R., Trachanaa, K., Shelton, M. N., McGinnis, C. S., Zhou, J. X., Chadick, C., Cook, S., Cavanaugh, C., Huang, S., Hood, L.
 2017; 114 (9): 2271-2276