

Stanford



Jordan C. Cheng, DMD, PhD

Postdoctoral Scholar, Stanford Cancer Institute

Bio

HONORS AND AWARDS

- F99/K00 Predoctoral to Postdoctoral Transition Award, National Cancer Institute (2021-2027)
- Mikitani Cancer Research Seed Grant Fund (Co-PI with Jimpi Langthasa), Mikitani Cancer Research Project Fund (2025-2026)

PROFESSIONAL EDUCATION

- BSc, University of British Columbia , Physiology
- DMD, University of British Columbia , Doctor of Dental Medicine
- PhD, University of California, Los Angeles , Oral Biology (Liquid Biopsy)

STANFORD ADVISORS

- Maximilian Diehn, Postdoctoral Faculty Sponsor

LINKS

- Google Scholar: <https://scholar.google.com/citations?user=bKmX8VUAAAAJ&hl=en>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My research direction involves the evaluation of single-stranded library preparation methods versus conventional double-stranded methods of cell-free DNA for non-invasive cancer profiling applications. The exploration of these technologies allow for the inference of the genomic and epigenetic features of both local and distant cell types associated with a biofluid.

Publications

PUBLICATIONS

- **DNASE1L3 Deficiency With Novel Missense Variant: Enzymatic and Plasma Fragmentomic Evidence of Pathogenicity and Partial Response to JAK Blockade** *ACR OPEN RHEUMATOLOGY*
Tenorio, A., Sugio, T., Cheng, J., Bonner, D. E., Esfahani, M., Kasinathan, S., Hsu, J. J., Moyer, A., Vera, L., Carter, J., Reuter, C. M., Marwaha, S., Balboni, et al
2026; 8 (2)
- **Field-effect-informed urine liquid biopsy for bladder cancer.** *Cell*
Shi, W. Y., Liu, K. J., Esfahani, M. S., Mach, K. E., Phillips, N. A., Almanza, D., Bajpai, R. K., Schroers-Martin, J. G., Trabanino, L., Lee, T. J., La, V., Rodriguez, G., Holton, et al
2026

- **Cell-Free DNA: Features and Attributes Shaping the Next Frontier in Liquid Biopsy.** *Molecular diagnosis & therapy*
Swarup, N., Leung, H. Y., Choi, I., Aziz, M. A., Cheng, J. C., Wong, D. T.
2025
- **Single-stranded pre-methylated 5mC adapters uncover the methylation profile of plasma ultrashort Single-stranded cell-free DNA** *NUCLEIC ACIDS RESEARCH*
Cheng, J. C., Swarup, N., Morselli, M., Huang, W., Aziz, M., Caggiano, C., Kordi, M., Patel, A. A., Chia, D., Kim, Y., Li, F., Wei, F., Zaitlen, et al
2024
- **A review on the impact of single-stranded library preparation on plasma cell-free diversity for cancer detection.** *Frontiers in oncology*
Cheng, J. C., Swarup, N., Wong, D. T., Chia, D.
2024; 14: 1332004
- **Distinct Features of Plasma Ultrashort Single-Stranded Cell-Free DNA as Biomarkers for Lung Cancer Detection** *CLINICAL CHEMISTRY*
Cheng, J., Swarup, N., Li, F., Kordi, M., Lin, C., Yang, S., Huang, W., Aziz, M., Kim, Y., Chia, D., Yeh, Y., Wei, F., Zheng, et al
2023