Stanford



Tianqi Chen

Postdoctoral Scholar, Oncology

Bio

BIO

My research interest lies in liquid biopsy and early cancer diagnostics, e.g. development of bioassay for detection of cancer biomarkers (proteins and genes) and single-cell research. As well as the integration of 3D-printed microfluidics.

HONORS AND AWARDS

- Charles E. Waring Award, Department of Chemistry, University of Connecticut (2016-2017)

PROFESSIONAL EDUCATION

- Bachelor of Science, Fudan University (2016)
- Doctor of Philosophy, University of Connecticut (2021)
- BS, Fudan University, Shanghai, China , Chemistry (2016)
- PhD, University of Connecticut, USA , Analytical Chemistry (2021)

STANFORD ADVISORS

- Hanlee Ji, Postdoctoral Faculty Sponsor
- Hanlee Ji, Postdoctoral Research Mentor

Publications

PUBLICATIONS

- **Multi-omic cell free DNA profiles of cerebral spinal fluid from lung cancer metastasis to the brain.** *NAR cancer*
  Chen, T., Bai, X., Burnside, G., Trinh, T. T., Gephart, M. H., Ji, H. P., Lau, B. T.
  2026; 8 (3): zcag021
- **Co-occurrence of clonally related follicular lymphoma and histiocytic sarcoma.** *Blood cancer journal*
  Haebe, S., Czerwinski, D. K., Sathe, A., Grimes, S. M., Chen, T., Suarez, C. J., Martin, B., Ji, H. P., Levy, R., Shree, T.
  2025; 15 (1): 131
- **Nanopore-based cell-free DNA fragmentation and methylation profiles from the cerebral spinal fluid of patients with lung cancer brain metastases.** *bioRxiv : the preprint server for biology*
  Chen, T., Bai, X., Burnside, G., Trinh, T. T., Gephart, M. H., Lau, B. T., Ji, H. P.
  2025
- **Co-Occurrence of Clonally Related Follicular Lymphoma and Histiocytic Sarcoma**
  Haebe, S., Czerwinski, D. K., Sathe, A., Grimes, S., Chen, T., Martin, B., Ji, H., Levy, R., Shree, T.
  AMER SOC HEMATOLOGY.2023

- **Direct measurement of engineered cancer mutations and their transcriptional phenotypes in single cells.** *Nature biotechnology*
  Kim, H. S., Grimes, S. M., Chen, T., Sathe, A., Lau, B. T., Hwang, G. H., Bae, S., Ji, H. P.
  2023
- **Follicular lymphoma evolves with a surmountable dependency on acquired glycosylation motifs in the B cell receptor.** *Blood*
  Haebe, S. E., Day, G., Czerwinski, D. K., Sathe, A., Grimes, S. M., Chen, T., Long, S. R., Martin, B. A., Ozawa, M. G., Ji, H. P., Shree, T., Levy, R.
  2023