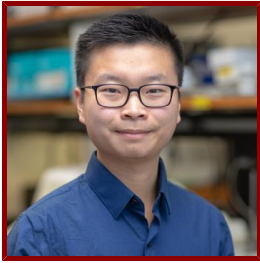


Stanford



Kevin Liu

- Postdoctoral Scholar, Stanford Cancer Institute
- Ph.D. Student in Cancer Biology, admitted Autumn 2021

Bio

HONORS AND AWARDS

- Forbes 30 under 30, Forbes (2026)
- AACR Scholar-in-training Award, American Association for Cancer Research (2025)
- Canary - ACED Graduate Fellowship, International Alliance for Cancer Early Detection (2022)
- USC Discovery Scholar, University of Southern California (2019)
- Cui Scholar, Stanford University (2022)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Program Leader, Stanford ADVANCE Undergraduate Institute (2022 - 2025)

PROFESSIONAL EDUCATION

- PhD, Stanford University , Cancer Biology (2026)
- MS, University of Southern California , Stem Cell Biology and Regenerative Medicine (2019)
- BS, University of Southern California , Health Promotion and Disease Prevention (2019)

PATENTS

- Kevin Liu. "United States Patent PCT/US2026/025262 Urine-Based cell-free RNA analysis for cancer detection and characterization", Leland Stanford Junior University, Mar 17, 2025
- "United States Patent PCT/US2024/015990 Metabolic selection for glycogen-storing cells in vitro", Leland Stanford Junior University, Aug 22, 2024

LINKS

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- Twitter: https://x.com/Kevinjliu_
- Google Scholar: <https://scholar.google.com/citations?user=JzVQisEAAAAJ&hl=en&inst=5746887945952177237&oi=ao>

Publications

PUBLICATIONS

- **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
- **An ultrasensitive method for detection of cell-free RNA.** *Nature*

Nesselbush, M. C., Luca, B. A., Jeon, Y. J., Jabara, I., Meador, C. B., Garofalo, A., Binkley, M. S., Hui, A. B., van 't Erve, I., Xu, N., Shi, W. Y., Liu, K. J., Sugio, et al

2025

- **Metabolically purified human stem cell-derived hepatocytes reveal distinct effects of Ebola and Lassa viruses.** *bioRxiv : the preprint server for biology*
Prescott, J. B., Liu, K. J., Lander, A., Pek, N. M., Jha, S. K., Bokelmann, M., Begur, M., Koh, P. W., Yang, H., Lim, B., Red-Horse, K., Weissman, I. L., Loh, et al
2025
- **Generating human artery and vein cells from pluripotent stem cells highlights the arterial tropism of Nipah and Hendra viruses.** *Cell*
Ang, L. T., Nguyen, A. T., Liu, K. J., Chen, A., Xiong, X., Curtis, M., Martin, R. M., Raftry, B. C., Ng, C. Y., Vogel, U., Lander, A., Lesch, B. J., Fowler, et al
2022
- **Genetic elements promote retention of extrachromosomal DNA in cancer cells.** *Nature*
Sankar, V., Hung, K. L., Gnanasekar, A., Wong, I. T., Shi, Q., Kraft, K., Jones, M. G., He, B. J., Yan, X., Belk, J. A., Liu, K. J., Agarwal, S., Wang, et al
2025
- **A human arteriovenous differentiation roadmap reveals vein developmental mechanisms and vascular effects of viruses.** *bioRxiv : the preprint server for biology*
Ang, L. T., Zheng, S. L., Liu, K. J., Masaltseva, A., Winters, J., von Creyzt, I., Jha, S. K., Yin, Q., Qian, C., Xiong, X., Dailamy, A., Xi, E., Alcocer, et al
2025
- **A microfluidic platform for anterior-posterior human endoderm patterning via countervailing morphogen gradients in vitro** *ISCIENCE*
Engel, L., Liu, K. J., Cui, K. W., de la Serna, E. L., Vachharajani, V. T., Dundes, C. E., Zheng, S., Begur, M., Loh, K. M., Ang, L., Dunn, A. R.
2025; 28 (3)
- **A microfluidic platform for anterior-posterior human endoderm patterning via countervailing morphogen gradients in vitro.** *iScience*
Engel, L., Liu, K. J., Cui, K. W., de la Serna, E. L., Vachharajani, V. T., Dundes, C. E., Zheng, S. L., Begur, M., Loh, K. M., Ang, L. T., Dunn, A. R.
2025; 28 (3): 111744
- **Protocol for efficient generation of human artery and vein endothelial cells from pluripotent stem cells.** *STAR protocols*
Loh, K. M., Zheng, S. L., Liu, K. J., Yin, Q., Amir-Ugokwe, Z. A., Jha, S. K., Qi, Y., Wazny, V. K., Nguyen, A. T., Chen, A., Njunkeng, F. M., Cheung, C., Spiekerkoetter, et al
2024; 6 (1): 103494
- **Protease Activated Probes for Real-Time Ratiometric Imaging of Solid Tumors** *ACS CENTRAL SCIENCE*
Faucher, F. F., Liu, K. J., Cosco, E. D., Widen, J. C., Sorger, J., Guerra, M., Bogyo, M.
2023: 1059-1069
- **Controversies surrounding the origin of hepatocytes in adult livers and the in vitro generation or propagation of hepatocytes.** *Cellular and molecular gastroenterology and hepatology*
Qian Pek, N. M., Liu, K. J., Nichane, M. n., Ang, L. T.
2020
- **Circulating tumor cells exhibit metastatic tropism and reveal brain metastasis drivers.** *Cancer discovery*
Klotz, R. n., Thomas, A. n., Teng, T. n., Han, S. M., Iriondo, O. n., Li, L. n., Restrepo-Vassalli, S. n., Wang, A. n., Izadian, N. n., MacKay, M. n., Moon, B. S., Liu, K. J., Ganesan, et al
2019