



Xi Ying Amanda Chen

Postdoctoral Scholar, Stem Cell Transplantation

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BIO

Dr. Chen completed a Bachelor of Science (Honours) at the University of Sydney (NSW, Australia), with majors in Molecular Biology and Immunobiology. She graduated with the University Medal for her Honours research project where she investigated the novel role of DNA damage repair machinery on telomerase recruitment to telomeres. She then undertook her graduate studies at the Peter MacCallum Cancer Centre (The University of Melbourne, VIC, Australia) in the Beavis laboratory, where she developed a CRISPR knock-in strategy to engineer armored CAR T cells to express therapeutic payloads in a tumor-restricted manner. She joined the Porteus laboratory in the Department of Pediatrics at Stanford University in March 2025, where she is developing strategies to enhance gene-edited hematopoietic stem cell transplantation.

STANFORD ADVISORS

- Matthew Porteus, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **High efficiency CRISPR knock-in demonstrates that TCF1 is insufficient to reverse T cell exhaustion.** *Nature communications*
de Menezes, M. N., Chen, A. X., Kulkarni, N., Sampurno, S., Saw, N. Y., Yap, K. M., Perez-Nunez, I., Roth, S., Deguit, C. D., Haugen, B., Ramsbottom, K. M., Munoz, I., Beavis, et al
2026
- **Flt3L-mediated tumor cDC1 expansion enhances immunotherapy by priming stem-like CD8⁺ T cells in lymph nodes** *NATURE IMMUNOLOGY*
Lai, J., Chan, C., Armitage, J. D., Audsley, K. M., Huang, Y., Derrick, E. B., Carstensen, L. S., Scheffler, C. M., Jones, M. E., Sek, K., Principe, N., Kim, J. S., House, et al
2026
- **Rewiring endogenous genes in CAR T cells for tumour-restricted payload delivery.** *Nature*
Chen, A. X., Yap, K. M., Kim, J. S., Sek, K., Huang, Y. K., Dunbar, P. A., Wiebking, V., Armitage, J. D., Munoz, I., Todd, K. L., Derrick, E. B., Nguyen, D., Tong, et al
2025