

## Timothy Chai

- Affiliate, Department Funds
- Resident in Medicine

### Publications

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#### PUBLICATIONS

- **Dopaminergic neurons entering the brain under the immunological cover of darkness.** *Cell stem cell*  
Chai, T., Chen, J. Y., Loh, K. M.  
2025; 32 (5): 675-677
- **TMX1, a disulfide oxidoreductase, is necessary for T cell function through regulation of CD3ζ.** *bioRxiv : the preprint server for biology*  
Chai, T., Loh, K. M., Weissman, I. L.  
2024
- **Lineage-tracing hematopoietic stem cell origins in vivo to efficiently make human HLF+ HOXA+ hematopoietic progenitors from pluripotent stem cells.** *Developmental cell*  
Fowler, J. L., Zheng, S. L., Nguyen, A., Chen, A., Xiong, X., Chai, T., Chen, J. Y., Karigane, D., Banuelos, A. M., Niizuma, K., Kayamori, K., Nishimura, T., Cromer, et al  
2024
- **UCHL1 is a potential molecular indicator and therapeutic target for neuroendocrine carcinomas.** *Cell reports. Medicine*  
Liu, S., Chai, T., Garcia-Marques, F., Yin, Q., Hsu, E. C., Shen, M., Shaw Toland, A. M., Bermudez, A., Hartono, A. B., Massey, C. F., Lee, C. S., Zheng, L., Baron, et al  
2024: 101381
- **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., Raftrey, B. C., Ng, C. Y., Vogel, U., Lander, A., Lesch, B. J., Fowler, et al  
2022
- **Dach1 Extends Artery Networks and Protects Against Cardiac Injury.** *Circulation research*  
Raftrey, B., Williams, I. M., Rios Coronado, P. E., Fan, X., Chang, A. H., Zhao, M., Roth, R. K., Trimm, E., Racelis, R., D'Amato, G., Phansalkar, R., Nguyen, A., Chai, et al  
2021
- **CD47 prevents the elimination of diseased fibroblasts in scleroderma.** *JCI insight*  
Lerbs, T., Cui, L., King, M. E., Chai, T., Muscat, C., Chung, L., Brown, R., Rieger, K., Shibata, T., Wernig, G.  
2020; 5 (16)
- **Survival of infants ≤24 months of age with brain tumors: Apopulation-based study using the SEER database.** *PLoS one*  
Faltermeier, C., Chai, T., Syed, S., Lau, N., Elkaim, L., Ibrahim, G., Wang, A., Weil, A., Bendel, A., Fallah, A., Tu, A.  
2019; 14 (9): e0223051
- **Systemic surfaceome profiling identifies target antigens for immune-based therapy in subtypes of advanced prostate cancer** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
Lee, J. K., Bangayan, N. J., Chai, T., Smith, B. A., Pariva, T. E., Yun, S., Vashisht, A., Zhang, Q., Park, J., Corey, E., Huang, J., Graeber, T. G., Wohlschlegel, et al  
2018; 115 (19): E4473–E4482