



Jesse Wei-Sheng Tai

MD Student with Scholarly Concentration in Clinical Research / Immunology, expected graduation Spring 2026

Bio

HONORS AND AWARDS

- Medical Student Physician-Scientist Award, American Society of Hematology (2022)

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

- Member, American Society of Hematology (2022 - present)

Research & Scholarship

RESEARCH PROJECTS

- Disruption of Immune Surveillance in Isocitrate Dehydrogenase Mutated Acute Myeloid Leukemia

Publications

PUBLICATIONS

- **Surgical stabilization of flail sternum and bilateral chest wall injury in an octogenarian after horse trampling injury.** *Trauma surgery & acute care open*
Tai, J. W., Ko, B., Adams, M. E., Nobuhara, C. K., Knight, A. W., Forrester, J. D.
2025; 10 (4): e001999
- **Circulating tumor DNA (ctDNA) enables enhanced measurable residual disease (MRD) detection and non-invasive clonal profiling in acute myeloid leukemia (AML)**
Gunaratne, R., Zhou, C., Rajaram, S., Tai, J. W., Kim, S., Tanaka, K., Tiwari, C., Gao, G., Carleton, M., Sworder, B. J., Mannis, G. N., Khodadoust, M. S., Majeti, et al
AMER ASSOC CANCER RESEARCH.2025
- **Circulating Tumor DNA (ctDNA) Enables Superior and Universal Measurable Residual Disease (MRD) Monitoring in Acute Myeloid Leukemia (AML) Highly Predictive of Relapse Free and Overall Survival**
Gunaratne, R., Zhou, C., Tai, J. W., Kim, S., Tanaka, K., Rajaram, S., Carleton, M., Yin, R., Alkaitis, M., Schwede, M., Sworder, B. J., Khodadoust, M. S., Majeti, et al
ELSEVIER.2024: 2955-2956
- **Brain metastases from esophageal cancer: A retrospective review from a single institution.** *World neurosurgery*
Touponse, G. C., Li, G., Tai, J. W., Rodrigues, A. J., Granucci, M., Burnside, G., Bhambhani, H. P., Han, S. S., Ji, H. P., Gephart, M. H.
2024
- **Effects of donor-engrafted clonal hematopoiesis in allogeneic and autologous stem cell transplantation: a systematic review and meta-analysis** *BONE MARROW TRANSPLANTATION*
Xie, Y., Kazakova, V., Weeks, L. D., Gerber, J. M., Tai, J., Zhang, T. Y., Lowsky, R., Wu, X., Yang, C., Patel, S. A.
2024

- **Update on Pediatric Thyroid Cancer Incidence and Mortality Trends in the United States, 2000-2018.** *Cancer investigation*
Li, G., Tai, J. W., Moon, P. K., Megwalu, U. C.
2024: 1-4
- **Phase 1b/2 Trial of Enasidenib in Lower-Risk MDS and Nonproliferative CMML without Isocitrate Dehydrogenase Type 2 Mutations**
Kuo, E., Santiago, V., Tanaka, K., Puram, V., Zhou, C., Tai, J. W., Mannis, G., Majeti, R., Zhang, T. Y.
AMER SOC HEMATOLOGY.2023
- **Development of Circulating Tumor DNA (ctDNA) for Molecular Measurable Residual Disease (MRD) in Acute Myeloid Leukemia (AML)**
Gunaratne, R., Zhou, C., Tai, J. W., Schwede, M., Tanaka, K., Alkaitis, M., Yin, R., Sworder, B. J., Mannis, G., Majeti, R., Khodadoust, M. S., Kurtz, D. M., Zhang, et al
AMER SOC HEMATOLOGY.2023
- **Immunosuppression in Isocitrate Dehydrogenase Mutated Acute Myeloid Leukemia**
Tai, J. W., Li, G., Tanaka, K., Gopakumar, J., Zhou, C., Linde, M., Villar-Prados, A., Rangavajhula, A. S., Trotman-Grant, A. C., Landberg, N., Fan, A. C., Mannis, G., Zhang, et al
AMER SOC HEMATOLOGY.2023
- **Induction of Airway Hypersensitivity to Ovalbumin and Dust Mite Allergens as Mouse Models of Allergic Asthma.** *Methods in molecular biology (Clifton, N.J.)*
Chen, M. C., Tai, J. W., Wu, C. J.
2021; 2223: 101-114
- **Evaluation of Age- and Radical-Prostatectomy Related Changes in Male Pelvic Floor Anatomy Based on Magnetic Resonance Imaging and 3-Dimensional Reconstruction.** *The world journal of men's health*
Tai, J. W., Sorkhi, S. R., Trivedi, I., Sakamoto, K., Albo, M., Bhargava, V., Rajasekaran, M. R.
2021; 39 (3): 566-575
- **MicroRNAs and Their Targetomes in Tumor-Immune Communication.** *Cancers*
Cho, S., Tai, J. W., Lu, L. F.
2020; 12 (8)
- **POTENTIAL ROLES OF WNT- β CATENIN PATHWAY AND EPITHELIAL TO MESENCHYMAL TRANSITION IN URETHRAL FIBROGENESIS**
Rajasekaran, M., Tai, J., Valmik, A., Bhargava, V.
LIPPINCOTT WILLIAMS & WILKINS.2020: E897
- **Characterization of urethral fibrosis in a rabbit model: Potential roles of Wnt- β catenin pathway and epithelial to mesenchymal transition.** *Neurourology and urodynamics*
Tai, J. W., Yu, H., Chilukuri, A. T., Bhargava, R., Deshpande, R., Li, W., Ongkeko, W. M., Bhargava, V., Rajasekaran, M. R.
2020; 39 (2): 625-632
- **miRNA-Microbiota Interaction in Gut Homeostasis and Colorectal Cancer.** *Trends in cancer*
Dong, J., Tai, J. W., Lu, L. F.
2019; 5 (11): 666-669