



Timothy Wu

- Affiliate, Department Funds
- Resident in Medicine

Bio

PROFESSIONAL EDUCATION

- MD, Baylor College of Medicine (2024)
- PhD, Baylor College of Medicine , Genetics and Genomics (2023)
- BSc, University of California, Los Angeles , Molecular, Cell, & Developmental Biology (2013)

Publications

PUBLICATIONS

- **Systems genetic dissection of brain gene expression reveals excitotoxic mechanisms of Alzheimer's disease.** *Molecular psychiatry*
Zhao, P., El Fadel, O., Le, A., Mangleburg, C. G., Dhindsa, J., Wu, T., Zhao, J., Huang, M., Amoh, B., Marella, A. S., Li, Y., Seyfried, N. T., Levey, et al
2026
- **Longitudinal multi-omics in alpha-synuclein Drosophila model discriminates disease- from age-associated pathologies in Parkinson's disease.** *NPJ Parkinson's disease*
Moore, J., Wu, T., Dhindsa, J., El Fadel, O., Le, A., Perez, A., Amoh, B., Tarkunde, A., Zhu, K. F., Avalos, M., Dammer, E. B., Duong, D. M., Seyfried, et al
2025; 11 (1): 46
- **Mechanisms driving fasting-induced protection from genotoxic injury in the small intestine.** *American journal of physiology. Gastrointestinal and liver physiology*
Deans-Fielder, K., Wu, T., Nguyen, T., To, S., Huang, Y. Z., Bark, S. J., Mills, J. C., Shroyer, N. F.
2024; 326 (5): G504-G524
- **Tau polarizes an aging transcriptional signature to excitatory neurons and glia** *ELIFE*
Wu, T., Deger, J. M., Ye, H., Guo, C., Dhindsa, J., Pekarek, B. T., Al-Ouran, R., Liu, Z., Al-Ramahi, I., Botas, J., Shulman, J. M.
2023; 12
- **Functional screening of lysosomal storage disorder genes identifies modifiers of alpha-synuclein neurotoxicity.** *PLoS genetics*
Yu, M., Ye, H., De-Paula, R. B., Mangleburg, C. G., Wu, T., Lee, T. V., Li, Y., Duong, D., Phillips, B., Cruchaga, C., Allen, G. I., Seyfried, N. T., Al-Ramahi, et al
2023; 19 (5): e1010760
- **Oxytocin signaling is necessary for synaptic maturation of adult-born neurons.** *Genes & development*
Pekarek, B. T., Kochukov, M., Lozzi, B., Wu, T., Hunt, P. J., Tepe, B., Hanson Moss, E., Tantry, E. K., Swanson, J. L., Dooling, S. W., Patel, M., Belfort, B. D., Romero, et al
2022; 36 (21-24): 1100-1118
- **Whole blood transcriptome analysis in bipolar disorder reveals strong lithium effect.** *Psychological medicine*
Krebs, C. E., Ori, A. P., Vreeker, A., Wu, T., Cantor, R. M., Boks, M. P., Kahn, R. S., Olde Loohuis, L. M., Ophoff, R. A.

2020; 50 (15): 2575-2586

- **Integrated analysis of the aging brain transcriptome and proteome in tauopathy** *MOLECULAR NEURODEGENERATION*
Mangleburg, C., Wu, T., Yalamanchili, H. K., Guo, C., Hsieh, Y., Duong, D. M., Dammer, E. B., De Jager, P. L., Seyfried, N. T., Liu, Z., Shulman, J. M.
2020; 15 (1): 56
- **Candidate *CSPG4* mutations and induced pluripotent stem cell modeling implicate oligodendrocyte progenitor cell dysfunction in familial schizophrenia** *MOLECULAR PSYCHIATRY*
de Vrij, F. M., Bouwkamp, C. G., Gunhanlar, N., Shpak, G., Lendemeijer, B., Baghdadi, M., Gopalakrishna, S., Ghazvini, M., Li, T. M., Quadri, M., Olgiati, S., Breedveld, G. J., Coesmans, et al
2019; 24 (5): 757-771
- **The Alkaline Phosphatase (ALPL) Locus Is Associated with B6 Vitamer Levels in CSF and Plasma.** *Genes*
Loohuis, L. M., Albersen, M., de Jong, S., Wu, T., Luykx, J. J., Jans, J. J., Verhoeven-Duif, N. M., Ophoff, R. A.
2018; 10 (1)
- **Transcriptome analysis in whole blood reveals increased microbial diversity in schizophrenia** *TRANSLATIONAL PSYCHIATRY*
Loohuis, L., Mangul, S., Ori, A. P. S., Jospin, G., Koslicki, D., Yang, H., Wu, T., Boks, M. P., Lomen-Hoerth, C., Wiedau-Pazos, M., Cantor, R. M., de Vos, W. M., Kahn, et al
2018; 8: 96
- **Dupuytren's disease susceptibility gene, *EPDR1*, is involved in myofibroblast contractility** *JOURNAL OF DERMATOLOGICAL SCIENCE*
Staats, K. A., Wu, T., Gan, B. S., O'Gorman, D. B., Ophoff, R. A.
2016; 83 (2): 131-137
- **Epigenetic age analysis of children who seem to evade aging** *AGING-US*
Walker, R. F., Liu, J., Peters, B. A., Ritz, B. R., Wu, T., Ophoff, R. A., Horvath, S.
2015; 7 (5): 334-339