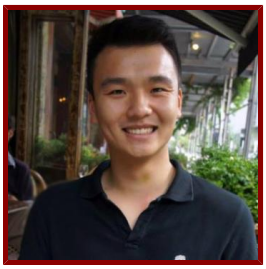
Stanford



David Cheng-Hao Wang

- Postdoctoral Medical Fellow, Psychiatry
- Resident in Psychiatry and Behavioral Sciences

Bio

HONORS AND AWARDS

- Bowes Graduate Student Fellowship, Stanford Bio-X (2020-2023)

Publications

PUBLICATIONS

- **Distinct Neural Representations of Hunger and Thirst in Neonatal Mice before the Emergence of Food- and Water-seeking Behaviors.** *Current Biology*
  Wang, D. C., Wu, Y., Mehaffey, C., Espinoza-Campomanes, L. A., Santos-Valencia, F., Franks, K. M., Luo, L.
  2025

- **Embryonically active piriform cortex neurons promote intracortical recurrent connectivity during development.** *Neuron*
  Wang, D. C., Santos-Valencia, F., Song, J. H., Franks, K. M., Luo, L.
  2024

- **Prohormone cleavage prediction uncovers a non-incretin anti-obesity peptide.** *Nature*
  Coassolo, L., B Danneskiold-Samsøe, N., Nguyen, Q., Wiggenhorn, A., Zhao, M., Wang, D. C., Toomer, D., Lone, J., Wei, Y., Patel, A., Liparulo, I., Kavi, D., Wat, et al
  2025

- **Loss of Rai1 enhances hippocampal excitability and epileptogenesis in mouse models of Smith-Magenis syndrome.** *Proceedings of the National Academy of Sciences of the United States of America*
  Chang, Y., Kowalczyk, M., Fogerson, P. M., Lee, Y., Haque, M., Adams, E. L., Wang, D. C., DeNardo, L. A., Tessier-Lavigne, M., Huguenard, J. R., Luo, L., Huang, W.
  2022; 119 (43): e2210122119

- **Novel NanoLuc substrates enable bright two-population bioluminescence imaging in animals.** *Nature methods*
  Su, Y., Walker, J. R., Park, Y., Smith, T. P., Liu, L. X., Hall, M. P., Labanieh, L., Hurst, R., Wang, D. C., Encell, L. P., Kim, N., Zhang, F., Kay, et al
  2020

- **Early adolescent Rai1 reactivation reverses transcriptional and social interaction deficits in a mouse model of Smith-Magenis syndrome.** *Proceedings of the National Academy of Sciences of the United States of America*
  Huang, W., Wang, D. C., Allen, W. E., Klope, M., Hu, H., Shamloo, M., Luo, L.
  2018

- **RFWD3-Dependent Ubiquitination of RPA Regulates Repair at Stalled Replication Forks** *MOLECULAR CELL*
  Elia, A. E. H., Wang, D. C., Willis, N. A., Boardman, A. P., Hajdu, I., Adeyemi, R. O., Lowry, E., Gygi, S. P., Scully, R., Elledge, S. J.
  2015; 60 (2): 280–93

- **Quantitative Proteomic Atlas of Ubiquitination and Acetylation in the DNA Damage Response** *MOLECULAR CELL*
  Elia, A. E. H., Boardman, A. P., Wang, D. C., Huttlin, E. L., Everley, R. A., Dephoure, N., Zhou, C., Koren, I., Gygi, S. P., Elledge, S. J.

2015; 59 (5): 867–81