

## Weichen Huang

Postdoctoral Scholar, Neurology and Neurological Sciences

### Bio

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#### STANFORD ADVISORS

- Josef Parvizi, Postdoctoral Faculty Sponsor

### Publications

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#### PUBLICATIONS

- **Electrophysiological Brain Connectivity and Subjective States Evoked by Electrical Stimulation of the Human Mid-Thalamus.** *The Journal of neuroscience : the official journal of the Society for Neuroscience*  
Pantis, S., Togo, M., Lyu, D., Huang, W., Quabs, J., Jung, H., van Staalduinen, E., Liu Yang, L., Chan, A., Fedor, M., Fisher, R., Buch, V., Parvizi, et al  
2026
- **Functional Architecture of the Human Insula Revealed by Causal Intracranial Mapping.** *Research square*  
Parvizi, J., Quabs, J., Pantis, S., Chen, G., Huang, W., Ma, E., Del Vecchio, M., Lyu, D., Wang, C., Avanzini, P., Buch, V., Ramayya, A., Caspers, et al  
2026
- **Electrophysiological connections linking medial pulvinar, anterior nuclei of the thalamus and the hippocampus.** *Brain : a journal of neurology*  
Togo, M., Lyu, D., Huang, W., Pantis, S., Fisher, R., Matsumoto, R., Buch, V., Parvizi, J.  
2025
- **Functionally diverse human insular architecture with memory-related hippocampal interactions** *NATURE NEUROSCIENCE*  
Huang, W., Parvizi, J.  
2025
- **Direct interactions between the human insula and hippocampus during memory encoding.** *Nature neuroscience*  
Huang, W., Lyu, D., Stieger, J. R., Gotlib, I. H., Buch, V., Wagner, A. D., Parvizi, J.  
2025
- **Mapping the Effects of Intracranial Electrical Stimulation of the Human Orbitofrontal Cortex.** *Journal of clinical neurophysiology : official publication of the American Electroencephalographic Society*  
Pantis, S., Lyu, D., Huang, W., Kwon, A., Cheng, C., Duong, A., Ma, E., Fox, K. C., Parvizi, J.  
2025
- **Naturalistic acute pain states decoded from neural and facial dynamics.** *Nature communications*  
Huang, Y., Gopal, J., Kakusa, B., Li, A. H., Huang, W., Wang, J. B., Persad, A., Ramayya, A., Parvizi, J., Buch, V. P., Keller, C. J.  
2025; 16 (1): 4371
- **Naturalistic acute pain states decoded from neural and facial dynamics.** *bioRxiv : the preprint server for biology*  
Huang, Y., Gopal, J., Kakusa, B., Li, A. H., Huang, W., Wang, J. B., Persad, A., Ramayya, A., Parvizi, J., Buch, V. P., Keller, C.  
2024