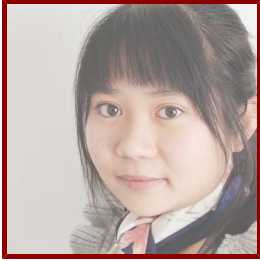


# Stanford

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## Trang-Anh Nghiem

Postdoctoral Scholar, Psychiatry

### Bio

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#### PROFESSIONAL EDUCATION

- Doctor of Philosophy, Ecole Normale Supérieure (2021)
- Master of Science, Ecole Normale Supérieure (2017)
- Bachelor of Arts, University of Cambridge (2016)
- PhD, Ecole Normale Supérieure de Paris, Physics, Neuroscience (2022)
- MSc, Ecole Normale Supérieure de Paris, Cognitive Science (2017)
- BA, St John's College, University of Cambridge, Physics (2015)

#### STANFORD ADVISORS

- Vinod Menon, Postdoctoral Faculty Sponsor

#### LINKS

- Google Scholar page: <https://scholar.google.com/citations?user=2PlcVIIAAA&hl=en>

### Research & Scholarship

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#### CURRENT RESEARCH AND SCHOLARLY INTERESTS

I am interested in how brain dynamics and cognitive functions in health and disease emerge from interactions within biological neural networks. To this purpose, I combine theoretical and computational models of brain dynamics and function inspired by statistical physics and information theory with analysis of neural recordings at different scales using machine learning methods.

### Publications

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#### PUBLICATIONS

- **Space wandering in the rodent default mode network.** *Proceedings of the National Academy of Sciences of the United States of America*  
Nghiem, T. E., Lee, B., Chao, T. H., Branigan, N. K., Mistry, P. K., Shih, Y. I., Menon, V.  
2024; 121 (15): e2315167121
- **Space wandering in the rodent default mode network.** *bioRxiv : the preprint server for biology*  
Nghiem, T. E., Lee, B., Chao, T. H., Branigan, N. K., Mistry, P. K., Shih, Y. I., Menon, V.  
2023