Stanford

Trang-Anh Nghiem

Postdoctoral Scholar, Psychiatry

Bio

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Ecole Normale Superieure (2021)
- Master of Science, Ecole Normale Superieure (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=2PlcVlIAAAAJ&hl=en

Research & Scholarship

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

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