



Dian Lu (Lyu #)

Postdoctoral Scholar, Neurology and Neurological Sciences

 Curriculum Vitae available Online

Bio

BIO

Dian received her Master's degree in Cognitive Neurosciences from University College London, and her Ph.D. in Clinical Neurosciences from the University of Cambridge. Her previous work focused on default-mode-network functional connectivity and inter-network interactions across different brain states. She is interested in consciousness studies involving self-related cognition using intracranial EEG and electrical stimulation and precision mapping of anatomy and function by leveraging computational modeling.

STANFORD ADVISORS

- Josef Parvizi, Postdoctoral Faculty Sponsor

COMMUNITY AND INTERNATIONAL WORK

- International volunteer with the non-governmental organization (NGO) Program, the west bank of Palestine

Research & Scholarship

RESEARCH INTERESTS

- Brain and Learning Sciences
- Diversity and Identity
- Equity in Education
- Higher Education
- Philosophy
- Psychology
- Sociology
- Special Education
- Technology and Education

Teaching

COURSES

2023-24

- Brain Dynamics and Connectivity: BIOS 409 (Spr)

Publications

PUBLICATIONS

- **Causal evidence for the processing of bodily self in the anterior precuneus.** *Neuron*
Lyu, D., Stieger, J. R., Xin, C., Ma, E., Lusk, Z., Aparicio, M. K., Werbaneth, K., Perry, C. M., Deisseroth, K., Buch, V., Parvizi, J.
2023
- **Intrinsic brain dynamics in the Default Mode Network predict involuntary fluctuations of visual awareness** *NATURE COMMUNICATIONS*
Lyu, D., Naik, S., Menon, D. K., Stamatakis, E. A.
2022; 13 (1): 6923
- **A Precuneal Causal Loop Mediates External and Internal Information Integration in the Human Brain** *JOURNAL OF NEUROSCIENCE*
Lyu, D., Pappas, I., Menon, D. K., Stamatakis, E. A.
2021; 41 (48): 9944-9956