

Stanford



Feng Vankee Lin

Clinical Professor, Psychiatry and Behavioral Sciences

 Curriculum Vitae available Online

Bio

ACADEMIC APPOINTMENTS

- Clinical Professor, Psychiatry and Behavioral Sciences
- Member, Wu Tsai Neurosciences Institute

LINKS

- <https://www.cogtlab.com/>: <https://www.cogtlab.com/>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My career has been devoted to understanding the neural mechanisms involved in brain aging and brain plasticity, with a special focus on early detection and prevention of Alzheimer's disease (AD). My research approach integrates principles and findings from cognitive theory, clinical neuroscience, and computational neuroscience. This approach is complemented by my extensive research experience involving multi-modality neuroimaging (PET, sMRI, dMRI, and fMRI), psychophysiology, neuropsychology, and quantitative research methods. I currently lead an interdisciplinary clinical neuroscience lab, covering a wide spectrum of research from Phases 0-2 in three areas: (a) brain aging, focusing on the links between brain pathophysiology and clinical symptoms, in a wide range of populations, from older adults with superior cognitive capacity to preclinical and prodromal AD, with an overarching aim to gain insights into the broad mechanisms of aging, both in typical and atypical populations and to identify early biomarkers for AD; (b) novel non-pharmacological interventions that promote successful cognitive aging as well as alleviate or eliminate adverse effects of AD pathophysiology; and (c) advanced computational models (e.g., explainable AI) for understanding and intervening on brain aging.