



**CENTER FOR NEUROCOGNITION & BEHAVIOR**  
**WU TSAI INSTITUTE, YALE UNIVERSITY**



**Helfrich Lab**

The Helfrich Lab at the Wu Tsai Institute and the Department of Psychology at Yale University is hiring a **full-time Postdoctoral Associate** to start in the summer/fall 2026. We are seeking a candidate with strong quantitative skills and an interest in human cognitive neurophysiology.

The position involves conducting research with neurological and neurosurgical patients as well as healthy controls to investigate neural activity that supports cognitive functions, such as attention and working memory. A central goal is to develop new behavioral paradigms and novel analysis methods for human neurophysiological recordings like intracranial EEG, MEG, EEG or direct brain stimulation, which will allow for new insights into behavior. This position provides a platform to drive innovative research, mentor junior researchers, and enhance professional development. The associate will have access to state-of-the-art facilities for electrophysiological experiments. This is a 2-year appointment that is renewable based on mutual agreement.

Research in the lab aims to dissect network mechanisms supporting higher cognitive functions and their disturbances underlying neuropsychiatric disorders. We study the functional architecture of human cognition with a variety of methods, spanning single units to large-scale network activity. You can find further information about our research at [www.helfrich-lab.com](http://www.helfrich-lab.com)  
Examples: Weber et al. (2023) *PNAS*, Raposo et al. (2023) *Current Biology*, Lendner et al. (2023) *Sci Adv*, Weber et al. (2024) *Nature Comm*, Terlau et al. (2025) *Neuron*, Terlau et al. (2025) *PNAS*

#### Requirements:

- Doctoral Degree in Neuroscience, Psychology, Biology or related fields
- Strong quantitative skills (Python/Matlab) and significant experience in analyzing EEG, MEG, iEEG, fMRI or animal physiology using time-series analyses
- Strong interest in human cognitive neurophysiology

The salary range for this position is \$68,500 to \$72,400. Information regarding compensation & benefits can be found at <https://postdocs.yale.edu/postdocs/being-a-postdoc-at-yale>, and includes Health, Dental, Vision, Life, FSA, Long Term Disability, and a Retirement Savings Plan.

Applicants should send an email to [randolph.helfrich@yale.edu](mailto:randolph.helfrich@yale.edu) and include the following items

- Up to date CV and contact information for 2 references
- Cover letter
- Summary description of your research interests

*The University is committed to basing judgments concerning the admission, education, and employment of individuals upon their qualifications and abilities and seeks to attract to its faculty, staff, and student body qualified persons from a broad range of backgrounds and perspectives. Additionally, in accordance with this Policy and as delineated by federal and Connecticut law, Yale does not discriminate in admissions, educational programs, or employment against any individual on account of that individual's sex; sexual orientation; gender identity or expression; pregnancy, childbirth or related conditions; race; color; national or ethnic origin; religion; age; disability; protected veteran status, or other protected classes as set forth in federal and Connecticut law.*