

Kahnt Lab Postdoc Position

The Kahnt Lab at Northwestern University (labs.feinberg.northwestern.edu/kahnt/) is looking to fill an open postdoc position. The ideal candidate will be team-oriented, self-driven, and brings a unique perspective and background to the lab.

We study the neural systems that support learning, decision making, and olfaction in humans. Experimental techniques include functional magnetic resonance imaging (fMRI), diffusion MRI (dMRI), olfactory psychophysics, and transcranial magnetic stimulation (TMS). We utilize advanced data analysis techniques including multi-voxel pattern analysis (MVPA) and encoding models, and we link behavioral and neural data using computational modeling. Our research also aims to better understand the neural basis of behavioral deficits in neuropsychiatric conditions, including substance use disorder and dementia.

The Kahnt Lab is a multidisciplinary team working on a variety of questions using cutting-edge cognitive neuroscience techniques. We value curiosity, creativity, and open-mindedness. We also seek to provide opportunities for professional growth and support individual career development.

Job Description

- Conceptualization and design of research projects in healthy adults and clinical populations
- Project execution and data collection involving fMRI, dMRI and TMS
- Analysis of behavioral and imaging data
- Communication of research results in the form of manuscripts, abstracts, and conference presentations
- Co-mentoring undergraduate or rotation students

Required Qualifications

- PhD in neuroscience, psychology, biomedical engineering, or related field
- Strong motivation to study learning, decision making and olfaction in humans
- Extensive experience with at least one of the following methods: fMRI, dMRI, TMS
- Extensive experience with statistical data analysis
- At least intermediate skills in one of the following languages: Matlab, Python, R
- Demonstrated skills in scientific publishing and presentation

The earliest start date for this position is September 1, 2020.

Please send your application package (personal statement, CV, 1-3 selected publications) as a single PDF to thorsten.kahnt@northwestern.edu.

Review of applications will begin immediately and will continue until the position is filled.