

Post-doc Position

**at the Center for Brain Research, Med. Univ. Vienna, Austria
in the lab of Balazs Hangya**

A Post-doc position is available at the Center for Brain Research, Med. Univ. Vienna, Austria in the lab of Prof. Balazs Hangya for a period of 3 years with a possible extension to 6 years.

Our overarching goal is to understand the neural mechanisms of cognitive functions, focusing on learning, attention and decision making. We investigate the contribution of subcortical networks, and study data from both mice and human patients to better understand normal cognition as well as the pathomechanisms of neurodegenerative dementias, including Alzheimer's and Parkinson's disease.

The successful candidate should have a PhD and should have a strong scientific background in electrophysiology and fiber photometry or Ca²⁺ imaging, data analysis and neuronal circuits. The successful candidate will collect electrophysiology and imaging data and analyze neuronal activity and behavior to better understand how neural circuits control behavioral performance. Applicants should have a proven track record and an independent working style.

Requirements:

- PhD in neuroscience, computer science or a related field
- High motivation for explorative research
- Experience in neurophysiology (electrophysiology and imaging) and data analysis
- Proven track record with high quality publications

Selected References:

Szabo et al., medRxiv 2024

Hegedus et al., Nat. Commun. 2024

Kiraly et al., Nat. Commun. 2023

Kocsis et al., Cell Rep. 2022

Kiraly et al., Nat. Commun. 2020

Laszlovszky et al., Nat. Neurosci. 2020

Hangya et al., Cell 2015

Please quote **reference number: 479/25** in the subject line and send your application by **August 27th, 2025** to: **bewerbungen@meduniwien.ac.at**.