

Postdoctoral Position in Sleep, Circadian Rhythms and Oscillations in Parkinson's Disease

Translational systems neuroscience project spanning EEG phenotypes, circuit mechanisms, and closed-loop intervention in Parkinson's disease mice.

Zurich

3 years

This position is funded through a grant from the **Aligning Science Across Parkinson's (ASAP)** initiative, in partnership with **The Michael J. Fox Foundation**

asap Aligning Science
Across Parkinson's

THE MICHAEL J. FOX FOUNDATION
FOR PARKINSON'S RESEARCH

The project is part of the **ASAP Collaborative Research Network (CRN)**

crn Collaborative
Research Network
a program of **asap**

Research focus

01

EEG signatures of Sleep and Circadian Rhythms Disturbances in PD mice

Define how heterogeneous sleep and circadian symptoms relate to abnormal EEG-defined oscillations.

02

Network mechanisms in PD models

Study MUA/LFP, and EEG/EMG signatures in two mouse models of PD to map circuit-level pathophysiology (i.e. define physiomarkers).

03

Closed-loop auditory stimulation for restoration of activity dynamics

Test whether targeted normalization of physiomarkers improves sleep/circadian disruption and may slow degeneration.

Role highlights

MUA/LFP + EEG/EMG surgeries • recording and analysis in 2 PD mouse models • direct supervision of 2 PhD students • results communication within a larger team and in national and international meetings.

What we offer

International team & great working atmosphere • state-of-the-art wet and electrophysiology labs • access to internationally recognized PhD neuroscience program ([ZNZ PhD program](#)) • participation in national and international meetings.

Application package

Full CV including skills and experiences • brief motivation/research statement • 2-3 referees' contact details



Main campus, University of Zurich
Zurich, Switzerland

Candidate profile

- Neuroscience background
- with strong technical and conceptual depth
- In vivo electrophysiology and/or rodent surgery experience
- Independent, proactive
- researcher with strong English skills

Key Position Details

- Relocation to Zurich, Switzerland
- 3-year project (immediate availability)
- Start in early Fall 2026
- Highly competitive salary (SNSF level)