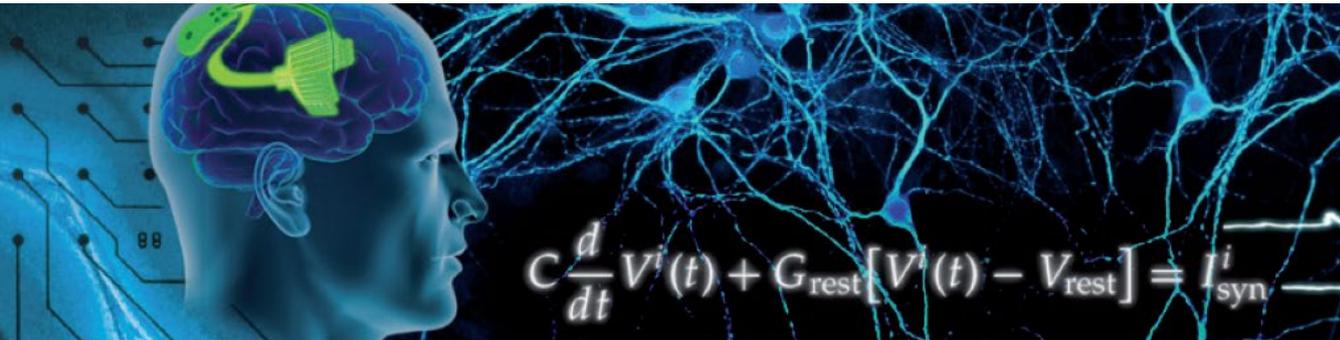




University of Freiburg

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Consider making the switch to the University of Freiburg: It is one of the most renowned and strongest research universities in Germany, with a history spanning more than 500 plines, perspectives, and people – right in the heart of one of Germany’s most beautiful cities.

The University of Freiburg’s human resources policy is oriented toward the principles of equal opportunity and diversity. The university is committed to the goal of creating a family-friendly university.

The Research Group “Neuroplasticity and Neuromodulation” is seeking a highly motivated, German-speaking

### **Postdoctoral researcher**

for a DFG-funded joint project performed together with the Brain State Decoding Lab (Dr. Michael Tangermann, Institute of Informatics, <http://www.bsdlab.uni-freiburg.de/>). The vacancy is for a period of 1 year with potential extension for 1 year.

We investigate strategies to enhance motor learning and limb function in patients with brain lesions, e.g. after stroke. We use a Brain-Computer Interface (BCI) to decode brain signals in close to real-time and use the decoded information for the online-adjustment of rehabilitative motor training within the training sessions. The applicant will primarily work with neurological patients. He/she will be mainly responsible for patient recruitment, neurological testings and EEG-based motor training, as well as analysis of behavioural, electrophysiological and MRI data. We expect the applicant to supervise research assistants and medical students, prepare data for scientific publications and assist in preparation of research grant applications.

Candidates with a MD degree or a PhD degree in neuroscience, (neuro)psychology, cognitive science, neuroinformatics and related areas are considered. German language skills are mandatory due to work with the patients. Practical experience in the design and execution of electrophysiological measurements (EEG, ECoG, MEG, EMG, LFP), ideally in the context of Closed-Loop BCI studies, is considered a distinct advantage. Applicants should demonstrate evidence of publications in international journals.

To apply please send a statement of your motivation and research interests, a complete CV and a publication list by email to [janine.reis@uniklinik-freiburg.de](mailto:janine.reis@uniklinik-freiburg.de).

Contact: Universitätsklinikum Freiburg; Neurozentrum, Neurologie; AG Neuroplastizität/Neuromodulation; Dr. Janine Reis; Breisacher Str. 64; 79106 Freiburg; Germany

<https://www.uniklinik-freiburg.de/neurologie/forschung/neurologische-arbeitsgruppen/neuroplastizitaet-neuromodulation.html>