The Center of Innovation, Robotics and Applied Sciences (CIRAS)
of the Department of Neurosurgery and Neurotechnology at the University Hospital Tübingen is looking for a

PhD for a period of 36 months

to be part of the BMBF-funded collaborative project

FACErehab: Home-based EMG biofeedback for patients with facial palsy – Interactive rehabilitation in the patient environment
(Start 01.12.2023, End: 01.12.2026)

Contact for questions and applications:
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Deadline for applications:
15.11.2023

We are looking forward to your application and requests!

FACErehab is a s a collaborative project in cooperation with the partners Evosense Research Development GmbH and Docs in Clouds Telecare GmbH. The aim of the project is to develop an EMG biofeedback system for patients with facial palsy, which they can use independently via an app. In addition, a cloud-based digital connection to specialized therapy centers is planned. The tasks of CIRAS in the project are in particular the algorithm development for the biofeedback (e.g. machine learning based), the co-development of app and cloud as well as the guarantee of a patient-centered development.

What we offer:
- integration in our team of scientists and physicians
- autonomous working and the possibility of further personal development under close support
- the completion of a PhD thesis based on a relevant, patient-oriented project
- the possibility to get closer insights into the neurosurgical field and neurosciences

What we expect:
- reliability, self-employment and ability to work in a team
- previous experience in programming (e.g. Matlab, Phyton) and statistics
- previous experience in machine learning (optional)
- interest in neuroscience and electrophysiology