



The Else Kröner Fresenius Zentrum für optogenetische Therapien of the University Medical Centre Göttingen is looking for a new position for the earliest start date

## Junior fellow

### optogenetic brain computer interfaces (f/m/d)

- full time, 38,5 hours per week, limited for 4 years -

The Else Kröner Fresenius Center for Optogenetic Therapies (EKFZ) is a new interdisciplinary clinical research center of the UMG with partners at the Göttingen Campus as well as at Medical University of Hannover, Technical University of Chemnitz, and University of Freiburg. The goal of EKFZ is the development and clinical translation of optogenetic therapies for the deaf and the blind as well as development of optogenetic gastric pacemakers and brain computer interfaces. These four teams are supported by technology platforms for (1) opsin engineering, (2) gene transfer, (3) disease models, (4) immune-phenotyping and (5) development of medical devices.

The EKFZ builds on a close interdisciplinary collaboration between scientists of the University Medical Center Göttingen, the departments of Physics, Mathematics, and Biology of the University, and non-university research institutions in Göttingen, such as the German Primate Center and the Max Planck Institutes for Multidisciplinary Sciences and for Dynamics and Self-Organization, as well as partners at the Medical University Hannover (MHH), University of Freiburg and Technical University of Chemnitz.

For further information on the research profile of the brain computer interface team, please contact Dr. Marcus Jeschke, ([mjeschke@dpz.eu](mailto:mjeschke@dpz.eu)) or Dr. Hansjörg Scherberger, ([hscherberger@dpz.eu](mailto:hscherberger@dpz.eu)) and for information on the EKFZ in general, please contact Prof. Dr. Tobias Moser (designated EKFZ spokesperson, [tmoser@gwdg.de](mailto:tmoser@gwdg.de)).

Your tasks:

- Setting up and leading experiments on closed-loop optogenetic brain computer interfaces in non-human primates within the brain computer interface team of the EKFZ
- contribute to the translation of optogenetic therapies into the clinics

Your profile:

- PhD / MD or equivalent in a subject relevant to EKFZ work (medicine, biology, chemistry, physics, engineering, ...)
- promising postdoctoral researchers seeking to accelerate their way towards independence
- experience with non-human primates and/or brain computer interfaces
- experience in visual neuroscience is a plus
- capable of independent, responsible, flexible work in an international team
- a keen interest in translational optogenetics

We offer:

- vibrant research landscape for BCI with groups focusing on motor neuroprostheses in primates as well as a strong focus on machine learning approaches for neuroscience in Göttingen with a dedicated Campus Institute Data Science
- synergistic environment by working with primate neuroscientists working in audition as well as hand movements
- a stimulating intellectual environment with innovative translational research-projects within the interdisciplinary research areas
- excellent scientific and technical infrastructure
- flexible budget for equipment, personnel and consumables
- integration into the EKFZ teams and platforms
- mentoring by renowned scientists of the EKFZ
- membership in the EKFZ academy, promoting exchange between medical and natural scientists and specifically focusing on training in translation (patent applications, regulatory processes, clinical studies, etc.)
- a wide range of interesting benefits as a UMG employee (including in-house daycare center, child vacation care, attractive infrastructure; health and sports promoted by excellent company health management)
- location in a beautiful and historic German university town steeped in tradition, with a campus that includes the University of Göttingen, Max Planck Institutes, German Primate Centre and other local research institutions

**We look forward to receiving your application!**