



The Else Kröner Fresenius Center for Optogenetic Therapies invites applications for

PhD student positions

- Initially limited for three years with the possibility of extension, salary according to TV-L-

We are looking for excellent and highly motivated PhD students with an interest in translation of optogenetics into the clinics to join one of the four teams or five platforms of the newly founded Else Kröner Fresenius Center for Optogenetic Therapies (EKFZ: <https://ekfz.uni-goettingen.de/>). The successful applicant will become a member of the new academy of the EKFZ and, further, can become a member of the Hertha-Sponer-College of the MBEXC upon successful application.

The EKFZ of the University Medical Center Göttingen is dedicated to the translation of the four core optogenetic approaches to restore i) hearing and ii) vision and to explore the potential of optogenetics for iii) gastric pacemaking and iv) 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.

Your tasks:

- work with one of the teams and / or platforms of the EKFZ
- contributing to the translation of optogenetic therapies into the clinics
- obtain a PhD degree

Your profile:

- completed Master of Sciences or equivalent in a field related to EKFZ work (biology, chemistry, physics,...)
- labwork experience
- capable of independent, responsible, flexible work in an international team
- a keen interest in translational optogenetics

We offer:

- structured PhD training within GAUSS/GGNB
- a stimulating intellectual environment with innovative translational research-projects within the interdisciplinary research areas
- excellent scientific and technical infrastructure
- integration into the EKFZ teams or 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 an 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 Center, and other local research institutions

The University Medical Center Göttingen is committed to professional equality. We therefore seek to increase the proportion of under-represented genders. Applicants with disabilities and equal qualifications will be given preferential treatment.

Please include in your application a cover letter indicating your favorite team or platform to work in, your CV, list of publications, references, and relevant certificates and send as a single pdf file to ekfz-jobs@med.uni-goettingen.de. This is an ongoing search for candidates, several positions are to be filled.