

The Else Kröner Fresenius Center for Optogenetic Therapies invites applications for a

Software/Electronics Engineer (m/f/d)

for the development of hardware and software

- initially limited until 31.10.2028 with possibility of extension, full time, salary according to TV-L -

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:

Development of new hardware and software for innovative medical devices such as optical cochlear implants, including wireless power transmission, FPGA, and ASIC design.

Your profile:

- Bachelor's degree or higher in computer science, electrical engineering, or a related field.
- At least 2 years of experience with embedded systems.
- Knowledge of the IEC 62304 standard.
- Experience with PCB layout design (preferably using Eagle or KiCad)
- Experience with microcontrollers, FPGAs, and antenna design.
- Experience with digital signal processing.
- Experience with MATLAB/Python is desirable .
- Fluency in English is required due to the international nature of the work environment; knowledge of German is a plus.

We offer:

- A challenging and varied job within a committed and motivated team.
- Opportunities to develop your individual strengths and skills through our comprehensive training and professional development programs.
- Salary according to TV-L with various social benefits, e.g. a company pension scheme.

Our goal as University Medical Center Göttingen is professional equality for all genders. We strive to achieve a balanced gender ratio in areas where there is underrepresentation. The University Medical Center Göttingen is particularly committed to the professional participation of disabled persons and therefore welcomes applications from disabled persons. In case of equal suitability, applications from

disabled persons will be given preferential consideration in accordance with the relevant regulations. We kindly ask you to indicate any disability/equal status in your letter of application.

Please submit your application with cover letter, CV, references and certificates by August 31st, 2026 exclusively via the UMG online application portal (<https://umg.recruiting-portal.com/r/z00g8fkp0f59abj/Software-Elektronik-Ingenieur+mwd/37075/G%C3%B6ttingen>) and address it to:

University Medical Center Göttingen
Institute for Auditory Neuroscience
Prof. Dr. Tobias Moser, Director
37099 Göttingen

Tel.: 0551/39-63071

Web: <https://www.auditory-neuroscience.uni-goettingen.de/>

We ask for your understanding that travel and application costs cannot be reimbursed.