The Institute for Auditory Neuroscience of the University Medical Center Göttingen (Germany) invites applications for a

Postdoc position (f/m/d)

- starting as soon as possible, full time, initially limited until 31.12.2028, salary according to TV-L-

Your tasks:

- Large-scale and in-depth characterization of optimized Channelrhodopsin variants for basic research in neuroscience and future optogenetic therapies
- Automated (Syncropatch384, Nanion) and manual patch-clamp experiments
- High-throughput spinning disc confocal microscopy (Yokogawa CQ1)
- Data analysis

Your profile:

- Excellent and highly motivated applicant with a strong background in the (electrophysiological) characterization of membrane transport proteins
- Proficiency in structural biology and/or bioinformatics and/or data-driven protein design
- Experience with basic molecular biology techniques (PCR, cloning etc.)
- Preferably knowledge in the characterization of microbial rhodopsins
- Skills in data analysis with Python
- Excellent organizational, interpersonal and communication skills
- The ability to work in an interdisciplinary and international team of researchers

We offer:

- Exciting work and collaboration in a multi-disciplinary team
- A highly innovative project
- The chance to contribute to work towards the development of future optogenetic therapies, in particular the optical cochlear implant

The Göttingen Campus is hosting numerous prestigious and internationally renowned research institutions. This includes the University and its Medical Center, two life science Max Planck Institutes, the European Neuroscience Institute, and the German Primate Center. The Institute for Auditory Neuroscience & InnerEarLab is tightly integrated in the Campus with research groups hosted also at non-university institutions and runs numerous stimulating collaborations on Campus such as within the collaborative research center CRC1690 (Disease Mechanisms and Functional Restoration of Sensory and Motor Systems) and the newly founded Else Kröner Fresenius Center for Optogenetic Therapies (EKFZ).

Please submit your application preferably in one single PDF-document, including cover letter, CV, list of publications, names of possible referees, and relevant certificates to: Thomas.Mager@med.uni-goettingen.de and ianoff@gwdg.de until

September 30th, 2025.

We’re looking forward to your application!

Dr. Thomas Mager,
Institute for Auditory Neuroscience, University Medical Center Göttingen
Advanced Optogenes Group

and

Dr. Tobias Moser, Professor of Auditory Neuroscience
Institute for Auditory Neuroscience, University Medical Center Göttingen
Auditory Neuroscience and Optogenetics Laboratory, German Primate Center