The Institute for Auditory Neuroscience of the University Medical Center Göttingen (Germany) and Auditory Neuroscience Group, Max-Planck-Institute of Experimental Medicine invite applications for a

**Scientist Position in Hard- and Software Development**

- starting as soon as possible, full time, salary according to TV-L, initially limited-term contract with the option for transiting to a tenure staff scientist position -

In the context of projects for innovative hearing research and the development of a novel (optical) cochlear implant, your responsibilities will include the predominantly independent development of new hardware and software for measurement and stimulation, the repair of existing hardware, and the technical supervision of physiological and psychophysical experiments, in each case in close collaboration with biomedical scientists and in cooperation with the staff of the precision mechanics workshop. Experience with measurement and control hardware (e.g. microcontrollers, A/D and D/A converters [experience with National Instruments PC boards is desirable]) and digital signal processing is required for the position. Proficiency in a higher level programming language (C++ preferred) and assembler language is desired in addition to a strong knowledge of analog and digital technology. Experience in MATLAB programming as well as in a software for producing PCB layouts (Eagle preferred) is desirable.

We are looking for excellent and highly motivated applicants with a strong background in physics or engineering. Competence in electrophysiology, optics/lasers and state of the art microscopical imaging will be useful. Good computational skills and the ability to work in an interdisciplinary (combining molecular, structural, physiological, and theoretical approaches) and international team of researchers are required.

The Göttingen Campus is a leading Neuroscience Center hosting numerous prestigious and internationally renowned research institutions. This includes the University and its Medical Center, three 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 sensory research center SFB889 ([www.sfb889.uni-goettingen.de](http://www.sfb889.uni-goettingen.de)) and the Multiscale Bioimaging Cluster of Excellence ([www.mbexc.de](http://www.mbexc.de)).

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: ianoff@gwdg.de until September 15th, 2021.

Dr. Tobias Moser, Professor of Auditory Neuroscience

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*Auditory Neuroscience Group, MPI of Experimental Medicine*
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