

Department of Otorhinolaryngology

In the field of auditory neuroscience, we offer the position of an

Early Stage Researcher

befristet bis zum 31.11.2020, Vollzeit | Entgelt nach TV-L

The successful candidate will perform in vivo electrophysiological recordings from the auditory system to study the disease mechanisms of human hearing loss using rodent models of human deafness. We focus on the question how sound encoding in the auditory nerve and sound perception are changed when the organ of Corti and specifically the inner hair cell ribbon synapse do not function normally. With a direct link to the clinical department, our aim is to better understand normal and impaired hearing function and to improve diagnostic techniques and hearing rehabilitation strategies.

The project is embedded in the International Training Network “LISTEN” which offers excellent training possibilities. Eligibility criteria for EU funding are that candidates must be in the first four years of their research career and have not been awarded a doctoral degree, and that they must not have lived in Germany for more than 12 months in the previous 3 years.

Previous experience with electrophysiological experiments, microsurgery and/or a completed course on animal experimentation (FELASA B) will be useful. In addition, experience with immunohistochemical staining procedures and confocal or STED imaging, as well as technical knowledge and programming skills, ideally in Python and/or Matlab, will be helpful. Applicants should hold a Master's degree or equivalent in neuroscience, audiology, physiology, animal biology or molecular medicine, ideally with a focus on sensory physiology. The ability to work in an interdisciplinary, English-speaking international team of researchers is 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 Auditory Systems Physiology group is part of the InnerEarLab (<http://www.innerearlab.uni-goettingen.de>), consisting of 7 groups employing molecular, structural, physiological, and theoretical approaches to study inner ear function.

Please send your application via e-mail preferably in one single PDF-document, including cover letter, CV, list of publications, names of possible referees, and relevant certificates.

We look forward to receiving your application by **July 31st, 2019:**

University Medical Center Göttingen

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