

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

### **PhD-Student Position in Synaptic Neuroscience (f/m/d)**

- starting March 1<sup>st</sup> or as soon as possible until mid of 2025 with prospect of prolongation, 65% |  
salary according to TV-L

About us:

The University Medical Center Göttingen is a tertiary care center and offers great development potential. Its 7,900 employees work in over 65 departments and facilities to provide top-quality patient care, excellent research and modern teaching. Göttingen, “City of Science”, located near the center of Germany, the University Medical Center Göttingen is embedded in the city’s attractive network of scientific research facilities.

Your profile:

- Strong background in sensory neuroscience
- Experience in electron microscopy
- Experience in optogenetics of advantage
- Excellent English skills
- Completed university studies in a life science discipline (MSc or diploma)

Endbulbs of Held are the first central synapses of the auditory pathway. They are located in the anteroventral cochlear nucleus within the lower brainstem, and play a key role for auditory processing tasks such as sound localization or speech reception. We investigate how the protein composition as well as cellular and subcellular structures like mitochondria of these specialized synapses are affected during time periods of deafness, or under acute changes of synaptic activity. We employ light and especially electron microscopy to determine alterations in synapse molecular composition and synapse morphology.

The offered PhD project is funded by the German Research Foundation (DFG, CRC 1286, “Quantitative Synaptology”) and is part of the Molecular Architecture of Synapses Research Group of the Institute for Auditory Neuroscience at the Center for Biostructural Imaging of Neurodegeneration (BIN).

The Göttingen Campus is a leading neuroscience center in Europe hosting numerous prestigious and internationally renowned neuroscience research institutions. This includes the University, two Max Planck Institutes, the European Neuroscience Institute and the German Primate Center, as well as further collaborative research programs.

Please submit your application preferably in one single PDF document, including cover letter, CV, list of publications (if applicable), names of possible referees, and relevant certificates to: [carolin.wichmann@med.uni-goettingen.de](mailto:carolin.wichmann@med.uni-goettingen.de) until **February 1<sup>st</sup>, 2023**.

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.

University Medical Center Göttingen  
Institut für Auditorische Neurowissenschaften  
**Prof. Dr. Carolin Wichmann**, Research Group Leader  
37099 Göttingen  
Tel.: 0551/39-61128  
E-Mail: carolin.wichmann@med.uni-goettingen.de  
Web: <https://www.auditory-neuroscience.uni-goettingen.de/>

Travel and application fees cannot be refunded or transferred.