

The RESEARCH GROUP CENTRAL RESPIRATORY CONTROL of the Clinic for Anesthesiology is looking for a

Postdoctoral Fellow (m/f/d) in neuroscience

for an initial 2.5 years, with the possibility of prolongation, full time basis | Entgelt nach TV-L

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.

Our research group is integrated in the neuroscience community and the laboratory is located in a research building together with the Physiology and Biochemical Departments of the University Medical Center Göttingen. The group is also part of Clinic for Anesthesiology (Director Prof. K. Meissner) that hosts an international and interdisciplinary team of researchers that focus on the complete spectrum of respiratory medicine, intensive Care and treatment of lung injury.

We use a multilevel approach to decipher the function of the respiratory network. Advanced tools to analyze neuronal and synaptic function are used including electrophysiology combined with two-photon-microscopy and optogenetic (Oke et al., *Front. Physiol.*, 2019, Hülsmann et. al. *J. Physiol.* 2019; Fortuna et al. *RPNB* 2019). We also implemented or developed a range of transgenic mouse lines to clarify the function inhibitory neurons and astrocytes (Hirrlinger et al. *Front Cell. Neurosci* 2019; Mesuret et al, *Sci. rep*, 2018; Rahman et al., *Brain Struct. Funct.*, 2015, Schnell et al., *Brain Struct. Funct.*, 2015).

Candidates will not only perform experiments within the research focus of the laboratory, but will also be involved in the development of the tools indicated above. They will also have the opportunity to refine their management skills by the design and supervision of student research projects (MD, BSc and MSc), and also benefit from a broad variety of advanced training opportunities, including courses on key academic skills, networking, coaching and consultation of the Göttingen Campus.

(<https://goettingen-campus.de/>)

The position is available from 01.11.2020 on a full-time basis, initially for 2.5 years, with the possibility of prolongation. The salary is based on remuneration group 13 TV-L of the pay scale for the German public sector.

Your profile: We are looking for highly motivated and science-driven candidate with a strong interest in neuroscience, and with solid experience in electrophysiology and/or imaging. The ideal candidate obtained a doctoral degree in the areas of neuroscience, neurobiology, physiology, biophysics or optical imaging.

Applications containing a cover letter explaining the relevant work experience, the CV, copies of final university certificates and the contact details of two referees should be sent to: swen.huelsmann@med.uni-goettingen.de in a single PDF file (subject: PostDoc-neuroscience).

Women are especially encouraged to apply. Applicants with disabilities and equal qualifications will be given preferential treatment.

We look forward to receiving your application by **September 30th, 2020**:

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Clinic for Anesthesiology
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Please send your application only via e-mail as a PDF-file.

Travel and application fees cannot be refunded or transferred.