

The **School of Medicine and Health Sciences** (Department of Neuroscience) seeks applications for a

Professorship (m/f/x) in Cellular Communication in Neurosensory Systems

salary scale W2

commencing **1 April 2025**.

We are looking for a dedicated and cooperative colleague with an internationally recognized track record in cellular communication in neurosensory systems. Scientifically, the professorship will be dedicated to the experimental study of signaling pathways between neurons to foster an understanding of neurosensory systems and/or their failure due to aging or disease.

We offer a collaborative, interdisciplinary and well-connected scientific environment. The Research Center Neurosensory Science with its interdisciplinary research projects (e. g., Cluster of Excellence Hearing4 All, Collaborative Research Center Magnetoreception and Navigation in Vertebrates), as well as the Departments of Neuroscience and of Human Medicine provide numerous opportunities for collaboration in neurosensory basic and translational research.

The professor will teach the field of cellular and neurobiology in the research-oriented Master programs Molecular Biomedicine, Neuroscience or Biology (all taught in English), as well as in the Bachelor program Biology (taught in German, after a commensurate period of familiarization and training).

The School of Medicine and Health Sciences expects the successful candidate to participate in the further development of the school, the established research foci, and the cooperation with the Rijksuniversiteit Groningen (NL).

The following are required:

- Extensive experience with experimental animal research on cellular communication between neurons in a sensory system (multi-modal or comparative approaches are also welcome)
- State-of-the-art methods for recording and manipulating neuronal signaling pathways (e.g., biomolecular and optogenetic tools, multi-photon microscopy, electrophysiology, organoids)
- Openness for collaboration and substantial scientific overlap to integrate into the research foci of the Department of Neuroscience, human medicine and the Research Center Neurosensory Science
- Excellent publication record
- Successful acquisition of competitive research grants
- Teaching experience in cellular or neurobiology

Desirable are:

- Clear potential to collaborate with groups working at the systemic (e.g., clinical/theoretical) or molecular (e.g., genetics/bioinformatics) level
- Experience with cross-disciplinary research projects between the natural sciences and medicine
- Experience with different teaching formats (e.g., lab exercise, lecture, seminar) and at different levels (Bachelor/Master/PhD programs); successful supervision of thesis projects

Prerequisites for employment are specified in section 25 of the Lower Saxony Higher Education Act (NHG). Applicants shall demonstrate their ability to connect to the described focus areas in research and teaching in a concept of max. 5 pages each.

The University aims to increase its proportion of female professors and strongly encourages female scientists to apply. Equally qualified female candidates will be considered preferentially. In case of equal aptitude, applicants with disabilities will be given priority in hiring decisions. The position is suitable for part-time employment.

Please apply by **4 February 2024** via the application web portal for professorships of the Carl von Ossietzky University Oldenburg at <https://l.uol.de/berufungen>. The application can be submitted in German or English.