

The Cluster of Excellence “Hearing4all”: Models, Technology and Solutions for Diagnostics, Restoration and Support of Hearing

at the Hannover Medical School (in collaboration with Carl von Ossietzky Universität Oldenburg and Leibniz Universität Hannover) is seeking to fill the position of an

Engineer for the development of a novel implant for the direct mechanical stimulation of the inner ear

in the Department of Otolaryngology. The position is available from 1 October 2017 and will end with the current funding period of the Cluster of Excellence “Hearing4all” on 31 December 2018. Payment depends on previous experience (German TV-L E13).

Key Responsibilities:

- Continuing the development and optimization of piezoelectric actuators for the direct mechanical stimulation of the inner ear
- Integration of these actuators in the cochlear implant body
- Qualification and analysis of the prototypes in laboratory tests, in temporal bones and in a physical cochlea model
- Comparison of the experimental results with the existing Finite Element Models
- Close collaboration with the research partners at the Leibniz Universität Hannover

In this role you will have the opportunity to make a significant contribution to the research and development of novel medical devices that treat hearing loss.

Key requirements:

- A university degree in physics, mechatronics, biomedical or mechanical engineering or a related discipline. A Ph.D. degree is appreciated but is not required.
- A proven background in acoustics / vibrations
- Interest in an interdisciplinary collaboration with surgeons
- Excellent oral and written communication skills (English)
- A problem-solving and self-driven state of mind: a methodical, analytical and result-oriented focus, an ability to work autonomously and a motivation to take initiative.

The Hannover Medical School is committed to the promotion of women in business. Applications from women are therefore particularly welcome. Handicapped applicants will be preferred in case of equal qualifications.

Please send your application (either in German or English) including a cover letter, CV, and copies of certificates for academic degrees to Hannover Medical School, Department of Otolaryngology, Cluster of Excellence „Hearing4all“, Prof. Dr. med. Omid Majdani, Carl-Neuberg-Straße 1, D-30625 Hannover or (preferably) electronically to Prof. Dr. med. Omid Majdani (omid.majdani@hotmail.com). Please apply by the 17th of September to ensure consideration. Interviewing will continue until the position is filled.