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Hannover Medical School



The Cluster of Excellence "Hearing4all", the Department of Experimental Otology (head: Prof. Dr. Andrej Kral) of the ENT clinics and the Institute of AudioNeuroTechnology (VIANNA) at Hannover Medical School seek to recruit a

## PHD STUDENT (F/M/D)

within a German-Israeli DFG-funded cooperation project for the duration of initially 3 years.

The PhD studies will be carried out within the framework of the PhD program "Auditory Sciences" and the "Joint Research Academy" (JRA) of the Cluster of Excellence that offer a structured education in Auditory Sciences. Travels to Tel Aviv, Israel, are included in the project (collaboration with Prof. Yael Henkin, Tel Aviv University).

### Job description

You will implement neurophysiological EEG recordings exploring higher auditory and cognitive functions and their dependence on hearing abilities in adults and children with hearing loss and cochlear implants. The research comprises high-density EEG recordings with up to 128 channels (BrainAmp Setup, BrainProducts) during acoustic, cochlear implant or visual stimulation, data processing, including statistical analyses as well as writing of scientific reports and publications. The research is conducted in cooperation with the German Hearing Center (Prof. Andreas Büchner and Prof. Anke Lesinski-Schiedat) at the Hannover Medical School.

### Your profile

You are highly motivated and scientifically interested in neurophysiological research with EEG and are qualified by a master's degree or diploma in Psychology, Neurosciences, Cognitive Sciences, Biology, Physics or related. You are experienced in using MS Office, statistics programs, ideally have some experience with MATLAB (EEGLAB) and have an interest in data analysis. You are able to work in a team, are efficient, well-organized and fluent in German and English (oral and written).

The department's research focus is deafness and its neuronal and cognitive consequences, postnatal development of the auditory system and neuroprostheses (cochlear implants). More information: <http://www.vianna.de> and <http://neuroprostheses.com>.

The position is available for the duration of the project (3 years). The salary is dependent on personal qualification according to the German salary scales TV-L (50 %). Hannover Medical School is an equal opportunity employer and encourages applications from women. Equally qualified handicapped applicants will be considered with priority.

The complete application including a letter of motivation, CV, a copy of your qualification certificates and contact information of two potential references should be sent until 3 weeks after publication to sekretariat@vianna.de (one PDF file preferred). Please understand that we are unable to cover any travel expenses incurred by attending a personal interview in our department.

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