



Universität  
Zürich<sup>UZH</sup>

Zentrum für Neurowissenschaften Zürich  
Neuroscience Center Zurich



European  
School on  
Interdisciplinary  
Tinnitus Research



The Division of Neuropsychology and the Department of Otorhinolaryngology/Head and Neck Surgery, University of Zurich, Switzerland is offering a

## PhD position

The Division of Neuropsychology in collaboration with the Department of Otorhinolaryngology, Head and Neck Surgery performs research to establish innovative neurofeedback protocols as intervention in the treatment of tinnitus. This PhD project focuses on designing and overseeing a clinical study that investigates and improves the application of EEG-based neurofeedback as well as recording and analyzing neurophysiological data that will build the basis for future classification of distinct clinical subtypes of tinnitus. This includes development of procedures for collecting, processing, and analyzing data that help improve the assessment of individual tinnitus symptoms and contribute to a better understanding of the heterogeneity of tinnitus. Main tasks include:

- Planning and conducting a clinical study that applies EEG-based neurofeedback
- Recording and analyzing results and data from neurophysiological and behavioral measurements
- Demonstrating optimized measurements procedures
- Writing research papers and presenting findings at academic conferences
- Collaborate with industry/academia to apply the results of research

Candidates should have

- A master degree (or equivalent) in a relevant discipline, such as psychology, life or natural science.
- Excellent organisational and communication skills
- Experience in working with patients
- Background knowledge of basic and applied neurophysiology
- Experience with report writing and data analysis
- Very good skills in German and English (speech and writing)
- The ability to work independently to deliver the milestones as set out in the project proposal and willingness to work as a team player
- Advanced experience with experimental work in laboratory
- Very good skills in descriptive and inference statistics

We offer

- Excellent research infrastructure combined with an international multidisciplinary scientific community
- Possibility to contribute to methodological and technical advancement of innovative neuromodulatory devices
- Research training with neuropsychological, neurophysiological, engineering and clinical connections
- Active participation in the training activities of the European School on Interdisciplinary Tinnitus Research (ESIT)
- High-quality education within ESIT at the University of Zurich, funded by the Marie Skłodowska-Curie Action
- Hands-on research training in an inter-disciplinary team of experienced researchers and clinicians

The position will be funded for 36 months and will be part of the European School on Interdisciplinary Tinnitus Research (ESIT. [www.esit.tinnitusresearch.org](http://www.esit.tinnitusresearch.org)) – a Marie Skłodowska-Curie Action funded by the European Commission. Applicants should have less than 4 years of postgraduate research experience. At the time of recruitment, the applicant must not have worked or studied more than 12 months during the previous 36 months in Switzerland. Starting date ideally before October 2017. Women and disabled applicants are encouraged to apply.

Candidates are encouraged to send a PDF including curriculum vitae, a statement of research interests and contact information for references by e-mail to: [martin.meyer@uzh.ch](mailto:martin.meyer@uzh.ch)