



Universität  
Zürich<sup>UZH</sup>

ZNZ Zentrum für Neurowissenschaften Zürich  
Neuroscience Center Zurich



European  
School on  
Interdisciplinary  
Tinnitus Research



The Department of Otorhinolaryngology, Head and Neck Surgery, University Zurich, Switzerland is offering a

## PhD position

The laboratory “Biomechanics of Hearing” has started the development of an intra-cochlear acoustic microphone for implantation in the inner ear that can be used for totally implantable cochlear implants. This PhD project focuses on designing, undertaking and analyzing information from controlled laboratory-based investigations that will build the basis for future optimized intra-cochlear acoustic microphone prototypes. This includes development of procedures for collecting, processing, and analyzing of the sound pressure in the inner ear of human specimens’ in order to produce reliable and precise data to support scientific investigations. Main tasks include:

- Planning and conducting experiments in the laboratory “Biomechanics of Hearing”
- Designing and optimizing measurements procedures
- Recording, interpretation and validation of data
- Writing research papers and presenting findings at academic conferences
- Collaborate with industry/academia to apply the results in the context of tinnitus research

Candidates should have

- A master degree (or equivalent) in a relevant discipline, such as biological, life or natural science.
- Excellent organizational and communication skills
- Experience with report writing and data analysis
- Very good skills in 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
- Basic experience with experimental work in laboratory is desirable

We offer

- Excellent research infrastructure combined with an international multidisciplinary scientific community
- Research training with close 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
- 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 Inter-disciplinary tinnitus Research (ESIT, <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 to: Prof. Dr. med. A. Huber and Dr. F. Pfiffner, [orl.research@usz.ch](mailto:orl.research@usz.ch). Application deadline 22<sup>nd</sup> of June.