



Postdoctoral Position in Neuroscience of Voice Processing

Cognitive and Affective Neuroscience Lab, Department of Psychology, University of Zürich - Prof. Sascha Frühholz

and

Phonetics Laboratory, University of Zürich - Prof. Volker Dellwo

We invite applications for a Postdoctoral position at the University of Zurich (Switzerland) to work on a joint project by the Cognitive and Affective Neuroscience Lab (www.psychology.uzh.ch/en/chairs/kaneuro.html) at the Psychological Institute and the Phonetics Group (www.pholab.uzh.ch/en.html) at the Department of Computational Linguistics.

We are seeking a highly motivated and talented candidate to work on a project on the neuroscientific and phonetic implications of digital voice technology and on voice processing in digital contexts. The project is funded by the Swiss National Science Foundation (SNSF). We are looking for a person ideally with combined expertise in the field of human neuroscience and the field of phonetic aspects of speech and voice processing.

The starting date for the position should be as soon as possible but no later than January 2019. Employment volume will range between 60-80% and will be negotiated based on qualifications. Funding is available for 1.5 years.

Responsibilities

- Plan and run behavioral and neuroscientific experiments involving voice and speech perception
- Use of functional magnetic resonance imaging (fMRI), structural neuroimaging, and psychoacoustic methods
- Digital voice and speech synthesis
- Analysis of results
- Communication of scientific results in scientific publications and at scientific meetings

Requirements and qualifications

- Relevant degree with excellent scores in a discipline related to neuroscience and/or phonetics (ideally combining both)
- Statistical and programming skills (i.e. Matlab, Python, Praat, etc.).
- Good knowledge of written and oral English
- Experience with neuroscientific methods, especially with structural and functional neuroimaging methods
- Experience with computational speech processing and/or voice synthesis algorithms

We offer

The University of Zürich provides an excellent research environment at the Department of Psychology (www.psychology.uzh.ch/index.html) and the Department of Computational Linguistics (www.cl.uzh.ch). We also offer a multidisciplinary and interactive neuroscientific environment within the framework of the Neuroscience Center Zürich (www.neuroscience.ethz.ch).

Applications procedure

Applications will be considered until the position is filled. Informal inquiries and questions should be addressed to sascha.fruehholz@uzh.ch and/or volker.dellwo@uzh.ch.

To be considered please stick to the following application format:

- CV including contact details of two referees (max. 3 pages)
- Statement describing motivations, personal qualifications and research interests (max. 2 pages)
- Save application in one single pdf file with the file name "VoiceUZH_[SURNAME]_[name].pdf"
- Send application by email to sascha.fruehholz@uzh.ch and volker.dellwo@uzh.ch.