



LUDWIG-
MAXIMILIANS-
UNIVERSITÄT
MÜNCHEN

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INSTITUTSVORSTAND



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Applications are invited for a full-time postdoctoral position at the Institute of Phonetics and Speech Processing, LMU Munich, on a project funded by the German Research Council entitled “Nasal coarticulation and sound-change: a real-time MRI study”.

The project will use state-of-the-art MRI scanning (in collaboration with the group of Prof. J. Frahm, Göttingen) to study contextual influences on nasalization with the aim of better understanding the articulatory and perceptual processes that have led to sound-changes such as contrastive vowel nasalization.

Starting date is as soon as possible. The contract runs for three years.

The salary is according to the German pay scale for state employees (Tarifvertrag der Länder TV-L West), group E13. The specific level within E13 depends on prior experience.

Responsibilities

- o Development of image-processing algorithms as the basis for the extraction of timing information on the relevant articulators (velum, tongue, lips)
- o Provide support to other members of the project team (doctoral student, research assistants) in articulatory analysis; provide advice to other projects at IPS Munich using image data to analyze articulatory processes
- o Preparation of journal publications and international conference presentations

Requirements

- o Completed PhD in phonetics or a related field
- o Profound knowledge of articulatory analysis procedures
- o Evidence of ability to work independently in the development of signal processing algorithms, preferably with specific experience in image processing of speech data (such as MRI or ultrasound)
- o Good programming skills, preferably in Matlab
- o Track record of published research commensurate with experience
- o Some experience of articulatory synthesis would be an advantage
- o A working knowledge of German is a plus.

Women are encouraged to apply. Disabled applicants will be preferred if essentially equally qualified. Part-time employment is possible.

Please email your complete application, a publication, and contact information of two referees as a single pdf to hoole@phonetik.uni-muenchen.de.

Application deadline: May 31, 2017

For further information contact Philip Hoole.