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 European Research Council entitled "Human interaction and the evolution of spoken accent".
The project will make use of agent-based modelling applied to longitudinally collected speech data in order to predict the direction of spoken accent change due to interaction in both children and adults.

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 probabilistically-based algorithms for modelling dynamic speech signals from both acoustic and articulatory data and incorporating these into an agent-based model of sound change
o Provide support to other members of the project team (doctoral students, research assistants) in the development of an agent-based model of sound change
o Work closely with team members involved in developing image processing algorithms from speech physiology data
o Preparation of journal publications and international conference presentations

Requirements
o Completed PhD in phonetics, speech sciences, or a related field
o Advanced knowledge of the stochastic modelling of speech signals
o Evidence of ability to work independently in the development of algorithms, preferably with specific experience in the agent-based modelling of speech data
o Good programming skills, preferably in the R programming environment
o Track record of published research commensurate with experience
o Any experience of having worked within areas related to laboratory phonology 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 jmh@phonetik.uni-muenchen.de.
Application deadline: September 30, 2017
For further information contact Jonathan Harrington.