



The Associated Institute **Audio Information Processing (AIP)** of the Technische Universität München focusses on signal processing for hearing devices, on psychoacoustics and on audio and sound field technologies.

We are looking to fill a key position in our team on **COCHLEAR IMPLANT RESEARCH** with a

Post-doctoral research scientist

in full time position to start at the earliest convenient date.

MAIN RESPONSIBILITIES:

- Research on auditory scene analysis with cochlear implants
- Development and programming of novel sound coding strategies for cochlear implants
- Listening tests with users of cochlear implants and statistical analysis of the results
- Publication in English-language scientific journals and presentations at conferences.

QUALIFICATIONS:

- Successfully completed doctoral degree (PhD) in one of the following areas: psychoacoustics, audio technology, acoustics, signal processing, neuroscience, medical physics, or a related area
- Knowledge and experience in using the direct stimulation technique with cochlear implants, in auditory scene analysis, in binaural hearing, in designing and analyzing psychoacoustic experiments and in models of the auditory system is desirable
- Very good programming skills in Matlab, Python, or C/C++
- Excellent written and oral communication skills as well as experience with scientific publications
- Interest in research and the development of technical systems for medical applications
- Flexibility and good interpersonal skills
- Interest in supervising students, helping with teaching and obtaining external funding.

We offer...

you to join a dynamic, interdisciplinary team, to work with up-to-date technical equipment and to learn about the latest methods in hearing research. Our close interaction with the Bernstein Centre for Computational Neuroscience, Munich (www.bccn-munich.de), extensive cooperation with industry and with local and international scientific partners, like the MRC Institute of Hearing Research in Nottingham (UK), the Chair for Man-Machine-Interaction at the TU München, and the Hearing Research Network Munich (www.hearing.ei.tum.de), creates an attractive environment with excellent perspectives for personal development. Please find further information at www.aip.ei.tum.de.

The position is funded by the BMBF through the Bernstein Centre for Computational Neuroscience, Munich. The employment is according to the state employees salary scheme (TV-L/E13) and is initially for 3 years with the option for extension. Women are explicitly encouraged to apply. Severely handicapped persons will be favored if they are equally qualified. In principle, the position could also be filled in part time.

Interested?

We are looking forward to answering your questions on the phone (Tel.: +49 89 289 28282) or by email. Please send your application (cover letter stating research interests, CV, list of publications) **preferably by email** no later than **04 February 2013** to:

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