



The Dept. of Neurophysiology and Pathophysiology at the University Medical Center Hamburg-Eppendorf, headed by Prof. Dr. Andreas K. Engel, invites applications for

## **1 Postdoc position and 1 PhD student position**

with immediate start. Appointments will be made for up to 4 years (postdoc) and 3 years (PhD student). Salary scale is according to E13 TV-KAH, 100% (postdoc) and 65% (PhD student), respectively.

These positions are funded through the newly established Collaborative Research Centre SFB 936 „Multi-Site Communication in the Brain“ ([www.sfb936.net](http://www.sfb936.net)). The SFB focuses on structural and functional coupling in brain networks underlying cognitive functions in the normal brain, changes during development and learning, as well as altered connectivity in brain disorders. The goal of the postdoc project is the investigation of dynamic, large-scale neural interactions during attentional modulation of multisensory processing in the human brain. The PhD student will focus on changes of functional connectivity in humans with congenital blindness. The studies will be carried out using MEG, EEG and behavioural approaches.

Main research interests in the Department are dynamics of distributed sensory processing, intermodal and sensorimotor integration, as well as theories of perception, action and consciousness. Current projects involve EEG/MEG studies in humans or physiological studies in animals. Further information on research at the Dept. of Neurophysiology and Pathophysiology is available at <http://www.uke.de/neurophysiologie> and at <http://www.40hz.net>.

Applicants should have a background in psychology, medicine, biology or neuro-/cognitive sciences, and ideally have experience in human EEG/ MEG studies, neuroimaging or biosignal analysis. Programming skills (Matlab) are considered mandatory. Fluent English is a prerequisite. Successful candidates will be responsible for the management and implementation of research paradigms, recruitment and neuropsychological testing of volunteers, data acquisition and analysis. For further details, please contact Prof. Dr. Andreas K. Engel (phone: +49-40-7410-56170, email: [ak.engel@uke.de](mailto:ak.engel@uke.de)).

Applicants are asked to submit their CV and documentation of relevant qualification to Prof. Dr. Andreas K. Engel, Dept. of Neurophysiology and Pathophysiology, University Medical Center Hamburg-Eppendorf, Martinistr. 52, 20246 Hamburg, Germany. Submission of applications through email is encouraged.