

## **Cerebral response of healthy subjects to a somatosensory stimulation with XNKQ acupuncture compared to control interventions measured with EEG and fMRI**

### **Summary:**

With the help of electroencephalography (EEG) and functional magnetic resonance imaging (fMRI) we aim to evaluate changes of brain activity in healthy volunteers after a stroke acupuncture (XNKQ acupuncture) that is widely used in China and three control interventions. We will measure 24 participants on four different days. At each of the four days 5 acupuncture needles will be inserted into the skin and brain activity will be measured before and after that intervention. With EEG we will evaluate the activity of the background rhythms mu-alpha and beta, and with fMRI we will evaluate resting-state functional connectivity.

We will conduct the measurements at the Center for Cognitive Neurosciences Berlin (CCNB) of Freie Universität Berlin.

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*Project duration:*

2015-2016

*Project status:*

analysis phase

*Funding:*

Investigator Initiated Trial

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*Publication:*