

The University of Konstanz is one of nine top-level universities identified by the Excellence Initiative in Germany.

The following positions are available within the recently established Independent Junior Research Group “Macroscopic Oscillatory Neuronal Correlates of Phantom Perception” funded by the German Research Foundation (DFG):

- 1 Postdoc position (BAT IIa/E13)
- 2 PhD positions (BAT IIa/E13, 50%)

The research group seeks to deepen understanding of how large-scale oscillatory processes – recorded with Magnetoencephalography and Electroencephalography (MEG / EEG) – are implicated in the generation of conscious perceptions, and how abnormalities in these mechanisms can lead to pathological perceptions (e.g., tinnitus and phantom limb pain). In addition to recordings of event-related data, this also includes the study of “resting” recordings, in which participants are not subjected to special tasks or stimuli. Another methodological approach of the research group involves the combination of transcranial Magnetic Stimulation (TMS) with EEG. One particular goal is to combine TMS with our software for online EEG analysis in order to develop real-time applications. Projects can also be pursued in computational neuroscience and intracranial EEG via ongoing collaborations with other departments and hospitals.

The candidates will ideally have a background in psychology, biology, medicine, physics, or engineering. Enthusiastic candidates from other disciplines are welcome to apply as well. Experience in programming (e.g., Matlab) is an advantage.

The University of Konstanz is an equal opportunity employer and tries to increase the number of women in research and teaching.

The University of Konstanz has been certified by the Hertie Foundation to be a family-friendly institution. The University is committed to further the compatibility of work and family life.

The University of Konstanz encourages disabled persons who will be given preference if appropriately qualified to apply.

Applicants should submit their application (curriculum vitae, list of publications, motivation letter, and the names of two supporters willing to write a letter of recommendation on request) as a single PDF file by email to: nathanweisz@mac.com