



CharitéCentrum für Neurologie, Neurochirurgie und Psychiatrie

Charité | Campus Mitte | 10098 Berlin

Klinik für Psychiatrie und Psychotherapie
Klinikdirektor: Prof. Dr. med. Andreas Heinz

Prof. Dr. Dipl.-Psych. Daniel Senkowski
Psychiatrische Universitätsklinik
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March 18, 2023

Postdoc or PhD position in Biological Psychiatry

A postdoctoral position is available at the Psychiatric University Hospital of Charité - Universitätsmedizin Berlin in the research group Multisensory Integration (www.multisensorymind.com) as part of the DFG grant project "Working memory disorders in schizophrenia: an investigation of multivariate activation patterns and neuronal synchrony". The project is led by Prof. Senkowski (Charité Berlin) in cooperation with Prof. Sauseng (LMU Munich) and Prof. Cichy (FU Berlin).

Company description

Charité - Universitätsmedizin Berlin is a joint institution of Freie Universität Berlin and Humboldt-Universität zu Berlin. As one of the largest university hospitals in Europe with a significant history, it has a leading role in research, teaching and patient care. But Charité also stands out as a modern company with certifications in the medical, clinical and management fields.

Application fields

The Multisensory Integration group is dedicated to the study of electrophysiological signals in sensory and cognitive information processing in the human brain. We study these processes in healthy individuals and in mentally ill people. A major focus of our research is the investigation of neuronal synchronizations and their significance in norm-appropriate and norm-deviant information processing. Our studies are conducted at St. Hedwig Hospital, which houses a state-of-the-art EEG system (128 channels). The recruitment of patients is ensured by a long-standing collaboration with the specialist medical directors of the St. Hedwig Hospital and the Psychiatric University Hospital at the Charité Campus Mitte.

Responsibilities

- Preparation, implementation and analysis of electroencephalography (EEG) studies on working memory functions in patients* with schizophrenia and healthy controls
- EEG data analysis: neuronal oscillations; source localization; multivariate pattern analysis
- Publication of project data in peer-reviewed international journals

Prerequisites

- Completed doctoral degree in neuroscience, psychology, medicine, physics or related fields
- Methodological background: experience in EEG data analysis
- Previous experience in schizophrenia research or strong interest in this research
- Willingness to prepare own third-party project proposals for further research desired
- Sufficient knowledge of the German language to communicate with patients and to collect clinical data.

Hiring date

As of now.

Duration

36 Months (postdoc) or up to 48 Months (PhD position)

Working time

100 % (postdoc) or 65 % (PhD position)

Salary

Pay group 13 TVöD VKA-K or pay group Ä1 TV-Ärzt*innen Charité; the grouping takes place under consideration of the qualification and the personal requirements. The Charité collective agreements can be found here: www.charite.de/karriere/

Application

Please send your application documents consisting of a letter of motivation, curriculum vitae, list of publications, references and indication of the earliest possible start date by **March 31, 2023** at the latest and only by **mail to daniel.senkowski@charite.de**.