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Be part of a unique project combining cutting-edge neurostimulation and computational neuroscience at Würzburg's top-tier labs.

The non-invasive DBS lab, led by Dr. Maximilian Wessel (Department of Neurology, UKW), and the Behaviour and Brain Lab, headed by Prof. Dr. Mona Garvert (Faculty of Human Sciences, JMU), invite applications for a PhD position focused on the interplay between striatal and hippocampal processing in decision-making and Parkinson's Disease (PD). This is your opportunity to shape impactful research using advanced neuroimaging and neurostimulation techniques, including transcranial temporal interference stimulation (tTIS).

Why join us?

At the University of Würzburg, you'll work in an interdisciplinary and collaborative environment with access to state-of-the-art facilities, including 3T- and 7T-MRI scanners, EEG, eye-tracking, and psychophysiology labs. Be part of a dynamic research setting that bridges psychology, neuroscience, neurology, and psychiatry.

PhD Student (f/m/d) in Cognitive and Clinical Neuroscience

📍 Neurologie ⌚ as soon as possible 🏠 Part-time 📅 Fixed-Term

We offer

- A vibrant, interdisciplinary team working on high-quality research.
- Access to cutting-edge tools and techniques in cognitive neuroscience.
- Supportive mentoring from renowned experts in the field.
- A unique opportunity to study clinical and healthy populations, leveraging computational modeling and neuromodulation.

Your Tasks

- Develop and lead independent research projects combining computational cognitive neuroscience and neuromodulation.
- Recruit and test participants, including healthy controls and PD patients, for innovative tTIS studies.
- Analyze behavioral and neuroimaging data with precision and rigor.
- Present your findings at international conferences and publish in high-impact journals.
- Optionally contribute to teaching activities.

Your Profile

- **Required Qualifications:**
 - Master's degree in neuroscience, psychology, biomedical engineering, medicine, or a related field.
 - Hands-on research experience, preferably with human behavior studies, brain stimulation, or computational tools.
 - Strong coding skills (Matlab, Python, R, or Javascript) and statistical expertise.
 - Proficiency in English and German.
 - Exceptional organizational, analytical, and interpersonal skills, thriving in an interdisciplinary environment.
- **Preferred Qualifications:**
 - Experience working with clinical populations, particularly in neurodegenerative diseases.

We look forward to receiving your application! (including CV, certificates, brief description of qualifications and research interests, contact information for two referees)

The position is part-time (65%) and temporary for 3 years.

This is what you can look forward to

- 🎓 Training and Continuing Education
- 🕒 Flexible Working Hours
- 🏃 Sport and Fitness Options
- 👤 Corporate Benefits
- 💰 Retirement Pension Plan
- 🤝 Collegiality
- 👥 Employee Events

Become part of the team: Apply now via our online portal: <https://karriere.ukw.de/en/p/wissenschaftundforschung/jobs/10856/intro>

Dr. Maximilian Wessel **Prof. Dr. Mona Garvert**
 Assistenzarzt Juniorprofessur für Neurowissenschaften
 Tel: Tel: +49931 31 85834

Remuneration is in accordance with the relevant collective agreements. Severely disabled applicants will be given preference if they are otherwise equally qualified.

The **University Hospital of Würzburg (UKW)** offers an innovative and excellent working environment in cutting-edge medicine. Here, employees benefit from state-of-the-art technology, extensive training and career opportunities as well as flexible working time models for an optimal work-life balance. We attach great importance to diversity and inclusion in order to create a respectful and supportive working environment. A strong sense of community and interdisciplinary collaboration are central to our way of working. Würzburg, a city with a high quality of life, offers a wide range of cultural and leisure activities as well as excellent educational opportunities. The UKW takes responsibility for the health of society and promotes an environment that focuses on ethical values and social commitment. Become part of our team and help shape the future of medicine.

