CoBIC
Cooperative Brain Imaging Center

PhD student in the research project: Timing Difficulties in Developmental Language Disorders and Stuttering

Part-time	Temporary position, 3 years	Offer: 2065674

In a DFG-funded research project, you will compare language comprehension, rhythm skills, and the underlying brain signals between adolescents who stutter, adolescents with speech development disorders, and control participants. The project is a collaboration between the CoBIC Frankfurt, Muenster University Hospital, the Max Planck Institute for Human Cognitive and Brain Sciences in Leipzig, and Johannes Gutenberg University Mainz.

The CoBIC is a unique collaboration between Goethe University, the Max Planck Institute for Empirical Aesthetics, and the Ernst Struengmann Institute for Neurosciences. This collaboration brings together state-of-the-art imaging technologies and teams of experts from different disciplines. Here, researchers are advancing groundbreaking neuroscience to better understand how the brain works and develop innovative therapies for neurological and psychiatric disorders.

Your tasks:

- You will record data using magnetoencephalography (MEG) and behavioral tests
- You will analyze data using Matlab or Python (language-brain interactions, synchronicity measures, directed connectivity measures between sources)
- You will present and publish the results

Your skills:

- A successfully completed master's degree in neuroscience, linguistics, or cognitive science, or comparable fields such as physics, mathematics, medicine, or psychology
- Good programming skills in Matlab or Python
- Relevant experience in the computer-assisted analysis of MEG or electroencephalography data
- Experience in source analysis of brain signals is desirable
- Strong communication and interaction skills and empathy
- Enthusiasm for scientific work in an interdisciplinary team at the new brain research center at the interface of medicine, psychology, and linguistics
- Very good written and spoken German language skills (minimally C1)
- Due to legal regulations, valid proof of measles immunity / measles vaccination is required

What we offer:

- Outstanding, methodologically advanced scientific training in cognitive and clinical neuroscience (e.g., state-of-the-art analysis of MEG data)
- Opportunity to pursue a PhD in neuroscience
- University hospital campus, cafeteria, coffee shops
- Participation in the Grade Brain graduate academy
- 26 hours/week, annual bonus, company pension scheme
- Free Hessen regional rail ticket
- Childcare in our day-care center and during holidays

We welcome applications from candidates of all genders. Women are currently underrepresented in these positions. Therefore, applications from women are especially encouraged. Applicants with severe disabilities will be given preferential consideration in cases of equal personal and professional qualifications.

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Application Deadline: 26.09.2025

Start of Position: 01.11.2025

Please apply in German using the following link:
https://jobdb.softgarden.de/jobdb/public/jobposting/applyonline/click?jp=58933063