



Job Opportunity: PhD Candidates Wanted (E13, 65%, 3-4 years)

Apply as soon as possible and certainly **before the 10th of April!** From the 10th of April the first applicants will be invited for interviews but we are still open to applications, as long as the positions are filled!

We're on the lookout for two **dynamic PhD candidates** to join our team at the earliest opportunity! This fixed-term position offers an initial term of 3 years, with the possibility of a 1 year extension, and is an integral part of the **Emmy Noether project**. Your role will involve pioneering the development of next-generation growth charting and normative modeling pipelines, with a specific focus on integrating fundamental neuroscience concepts into a machine learning framework, including network analyses.

In essence, we're seeking individuals who are not only highly motivated but also possess a **genuine passion for making meaningful contributions** to our field (<https://mhm-lab.github.io>). As part of our team, you'll have the opportunity to contribute to setting up databases, devising innovative analysis tools, and collaborating closely with your fellow PhD candidates. Some remote work options may also be available.

You'll receive **comprehensive support in advancing your expertise** in machine learning methodologies. Our collaborative research program encompasses the analysis, storage, and processing of vast amounts of multimodal neuroimaging, electrophysiological, genetic, clinical, and behavioral data, employing machine learning techniques. Furthermore, you'll have the chance to explore and implement normative modeling approaches across various data modalities, utilizing cutting-edge techniques.

Key requirements for this role include

- A higher education degree (**master's, diploma, or equivalent**) in biology, bioinformatics, computer science, neuroscience, or a related field.
- Proficiency in modern scientific data infrastructures and corresponding **programming skills** (e.g., Python, Java, R).
- Familiarity with **scientific computing**, including **high-performance computing (HPC)** and cloud computing.
- A **collaborative mindset**, with the ability to work both independently and as part of a team.
- **Excellent communication and interpersonal skills**, enabling effective interaction with diverse groups.
- **Strong motivation**, adaptability, and a solid work ethic.
- Fluency in English, both spoken and written.
- Prior experience in **machine learning**, coupled with an interest in clinical research.
- Prior experience working with **complex data domains** such as brain imaging (MRI) or EEG.

To apply, please submit a **motivation letter** along with **your CV**, detailing your education and relevant work experience. The salary for this position is up to **TV-L 13 - 65%** (as per the collective wage agreement for the Public Service of the German Federal States), with additional benefits.

We are committed to fostering diversity and welcome applications from individuals with disabilities and all genders. As part of our initiative to promote gender equality, we particularly encourage **women to apply**. All employment matters are managed by the University of Tübingen in accordance with the legal statutes governing German universities. Please note that interview expenses will not be covered.

For further inquiries, please reach out to Dr. Thomas Wolfers at **dr.thomas.wolfers@gmail.com**

Best regards,
Thomas Wolfers