



### Job Opportunity: PhD Candidates (3-4 years)

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

We're on the lookout for **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, clinical translation, neuroscience and more. 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.

*Key skills important for this role:*

- Hold a **higher education degree** (master's, diploma, or equivalent) in bioinformatics, computer science, physics, neuroscience, psychology, or related fields, with prior **experience handling complex data domains** such as brain data (MRI, EEG).
- Proficient in **modern scientific data infrastructures** and **programming language(s)** (e.g., Python, Java, R, C).
- Familiarity with **scientific computing**, including HPC and cloud computing.
- Possess a demonstrated **collaborative mindset**, adept at both independent work and teamwork, with **proficiency in English**.
- Bring prior experience in **machine learning**, coupled with a strong interest in clinical research.
- Exhibit **strong communication and interpersonal skills**, enabling effective interaction within diverse groups, high-levels of motivation and a strong work ethic.
- **You usually Enjoy work** either independently or in a team! If something doesn't work out immediately, you try to find solutions not problems, but you are also not shy to ask for help.

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 (we actually Do!) and all genders. We will select you if you have the motivation, the skill and a spark for science. 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.

Please send your application documents to Thomas Wolfers - [dr.thomas.wolfers@gmail.com](mailto:dr.thomas.wolfers@gmail.com)

- **CV**
- **Letter of Motivation** – check out HP <https://mhm-lab.github.io>

Best regards, Thomas Wolfers