



Job Posting: Student / Research Assistant (m/f/d)

The Max Planck Institute for Biological Cybernetics investigates information processing in the brain. Scientists approach this goal using experimental, theoretical, and computational methods to study perception, memory, decision-making, motor performance and more; developing appropriate recording and imaging techniques. The institute is multidisciplinary, has excellent facilities and close links to the neighboring Max Planck Institutes and the University of Tübingen. For the next possible date, we are looking for a

Department for High-field Magnetic Resonance

Research Group: Neuroinformatics

PD Dr. Gabriele Lohmann

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February 2023

Student / Research Assistant (m/f/d)

With an extent of 10 – 20 hours per week.

In our research project, we develop machine learning methods to extract underlying structural patterns in the brain from individual ultra-high resolution MR images. A ground truth is critical to the validation.

Brain MR Image Segmentation Tasks:

- Segmentation of brain structures in 3D MR images as ground truth for machine learning
- Visual Image Analysis
- Working in a research environment with a high degree of independence
- Working close to clinicians and scientists

Your Profile:

- You are currently enrolled as a student
- You like to quickly learn new technologies, tools and methods
- You are interested in the field of neuroscience
- You are willing in working with computers and linux
- You are a concentrated and independent worker
- Optional: Knowledge of brain anatomy

What we offer:

- An interdisciplinary environment where you can use your skills at the interface between science and clinic
- Room for independent work
- Flexible working hours of ≥ 10 h per week

The Max Planck Society is committed to employing more disabled people; applications from severely disabled people are therefore strongly encouraged. The Max Planck Society also wants to increase the number of women in areas where they are underrepresented. Women are therefore expressly encouraged to apply. Are you interested? Then write a short mail expressing your interest to lucas.mahler@tuebingen.mpg.de