



## Job Vacancy

The University Hospital Essen offers first class medical services in the Ruhr metropolis. Every year, 225.000 patients are treated in 30 clinics, 27 institutes and specialized centers. The over 8.000 employees offer medical care with state-of-the art diagnostics and therapies, which meet highest international standards. Patient care is connected with basic and translational research at an internationally competitive level.

### Research Associate (PhD student) (m/f/d)

(pay grade: EG 13 TV-L)

**Work Area:** Department of Neurology

**Job ID:** 11444

**Start Date:** Next possible date

**Work Scope:** Part-time / 25,025 h

**Contract Type:** Temporary

**Contract duration:** 36 months; according to § 2 (1) WissZeitVG; gemäß § 2 Abs. 1 WissZeitVG

#### Your tasks:

Your work will be part of a larger scientific project that aims to prove that the cerebellum plays a role in positive and negative treatment expectations and to understand how the cerebellum contributes to treatment expectations. To this end, two studies will be conducted. In one study, patients with cerebellar degeneration will be examined, including EEG recordings and 3T MRI examinations. The second study will be conducted in healthy volunteers using 7T MRI at the Erwin L. Hahn Institute for Magnetic Resonance Imaging (ELH). The focus of the 7T fMRI study is on the possible interactions between the cerebellum and brainstem areas known to be involved in placebo hypoalgesia and nocebo hyperalgesia. You will be involved in conducting the studies and in the data analysis.

#### Your profile:

- Diploma or Master's degree in a natural science (e.g. biology, physics, computer science or similar) or in neuroscience.
- Good programming and computer skills (Matlab, Python or similar).
- Knowledge in structural and functional brain MRI analysis is a plus.
- Experience in the evaluation of EEG oscillations is a plus.

#### Look forward to:

- You will be affiliated with the Collaborative Research Center/TRR 289 "Treatment Expectation".
- Admission to the interdisciplinary graduate program BIOME at the UME is possible and strongly encouraged.
- Attractive fringe benefits, e.g. reduced-price canteen meals, community events, accommodation in student residences.
- A secure job in the public service of the state of NRW
- Fair payment in accordance with the collective wage agreement (TV-L) incl. annual bonus



payment and supplementary company pension scheme

- 30 days of vacation per calendar year (for a full-time position)
- Interdisciplinary work with colleagues from other departments
- Working with modern equipment and certified quality standards
- Family-friendly corporate culture, e.g. company daycare center, vacation program for school-age children, advice and support from the Employee Service Office in all life situations
- Wide range of training and continuing education opportunities, e.g. at the Training Academy of UK Essen
- Health Management, e.g. company integration management, vaccinations, promotion of sport activities
- Attractive fringe benefits, e.g. reduced-price canteen meals, community events, accommodation in student residences

**General conditions:**

- The pay grade classification depends on the personal and collective legal prerequisites.
- The University Hospital Essen is an equal opportunity employer. Female scientists are particularly encouraged to apply.
- The participation in secondary employment depends on the „Hochschulnebenberufungsverordnung“ of North-Rhine Westphalia.
- Disabled applicants will be preferentially considered in case of equivalent qualification.

**Contact person and further information about the position:** Prof. Dagmar Timmann-Braun; +49 201 723 2180; [Dagmar.timmann-braun@uk-essen.de](mailto:Dagmar.timmann-braun@uk-essen.de); <https://neurologie.uk-essen.de/experimentelle-neurologie/>

You will find detailed information on the job advertisement and contact persons behind the button - Apply now:

<https://bewerbung-karriere.ume.de/Vacancies/11444/Application/CheckLogin/1>

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