



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 (Postdoc) (m/f/d)

(pay grade: EG 13 TV-L)

Work Area: Department of Neurology - Research Group Experimental Neurology (Prof. D. Timmann-Braun)

Job ID: 11115

Start Date: 01.07.2024 dependent on the final approval of the SFB/TRR 289 (Treatment Expectation) by the DFG's Joint Committee

Work Scope: full-time / 38,5 h

Contract Type: temporary

Contract duration: 30.06.2028; in accordance with §2 (2) WissZeitVG for the duration of the project

Your tasks:

- You will work on the subproject "How does the cerebellum contribute to placebo hypoalgesia and nocebo hyperalgesia", which is being carried out as part of the second funding phase of the Collaborative Research Center/TRR 289 "Treatment Expectation", subject to approval.
- The aim of the project is to show that the cerebellum plays a role in positive and negative treatment expectations and to understand how the cerebellum may contribute to placebo hypoalgesia and nocebo hyperalgesia. To this end, you will conduct two studies. 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 responsible to conduct the studies and for the data analysis.

Your profile:

- Diploma or Master's degree and PhD in a natural science (e.g. physics, computer science or similar) or in neuroscience
- Very good programming and computer skills (Matlab, Python or similar)
- Advanced knowledge in structural and functional brain MRI analysis



- Experience in the evaluation of EEG oscillations and computer modelling is a plus

Look forward to:

- 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 sports 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.
- The position is also available as part-time employment.”

Contact person and further information about the position: Prof. Dagmar Timmann, MD, head of the research group, +49 201 723 2180, dagmar.timmann-braun@uk-essen.de

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

<https://bewerbung-karriere.ume.de/Vacancies/11115/Application/CheckLogin/1>

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