



The Division of Psychological and Social Medicine and Developmental Neurosciences is active in research, teaching and patient care. We ensure the training of students in medical psychology and medical sociology at the Medical Faculty and conduct research on topics related to the neuroscientific foundations of human experience and behavior in the context of illness and health.

As of 01.09.2024 or later, a position as a

## Research Associate / PhD Student (f/m/x)

PSM0924501

in a part time position. This PhD position will start September 1st 2024 or later, at least for an initial period of up to three years, with potential extension opportunities. Compensation follows the collective agreement for the public service of the Länder (TV-L), with eligibility for salary group E13 TV-L based on candidate qualifications.

The position is located in the **Applied Developmental Neuroscience Research Group** (Head: Prof. Dr. med. Stefan Ehrlich, PhD). The group focuses mainly on eating disorders and affective disorders, in close collaboration with the partner departments at the Center for Mental Health. A broad, multi-methodological approach is pursued, which includes in particular imaging procedures (MRI, fMRI, MRS), experimental and cognitive psychology, psychophysiology (eye-tracking), immunology and endocrinology methods as well as digital phenotyping (including ecological momentary assessment). The main objective is translational research, which aims to transfer research results as quickly as possible to improve diagnostics and therapy.

The successful candidate will work in an interdisciplinary team of young researchers and clinicians that has been carrying out various neuroscience projects since 2010. Further information can be found here <https://www.ukdd.de/psm> and here <https://www.transdenlab.de>.

The focus of the advertised position is the investigation of the interactions of cognitive, endocrine and immunological mechanisms for mental health - in particular for reward behavior (e.g. effort-/ value-based mechanisms) and depressive symptoms. Possible further research projects could include emotion regulation and its neuronal correlates (fMRI) in affective disorders and eating disorders.

The research group is also involved in the International Research Training Group "Risks and Pathomechanisms of Affective Disorders" (IRTG 2773). This IRTG is funded by the German Research Foundation (DFG) and is a structured international graduate program established as a cooperation between the Technische Universität (TU) Dresden and the Institute of Psychiatry, Psychology & Neuroscience at King's College London. Further details here: <https://transcampus.eu/project/p7>. Comprehensive project supervision by scientific experts (doctoral committee) is guaranteed, including participation in a well-structured curriculum. This includes behavioral and developmental neuroscience, child, adolescent and adult psychiatry, clinical and cognitive psychology, psychoneuroendocrinology, genetics/genomics, computational science as well as key skills such as data management and presentation skills. There is the possibility of an integrated stay abroad and further academic training culminating in a PhD.

Your work also will include the guidance and supervision of research interns, student assistants and medical students within the project. The results will be presented at international conferences and published in scientific journals.

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dresden.de/psm](http://www.uniklinikum-dresden.de/psm)  
<http://www.transdenlab.de>



**Requirements:**

- an above-average degree in psychology, cognitive and/or affective neuroscience, psychiatry or a related field
- previous experience in research activities within the past years (e.g. publications as first or coauthor)
- previous exposure to neurosciences/neurobiology and experience in the analysis of imaging data (e.g. FSL, SPM, FreeSurfer), in computational modeling as well as basic knowledge of computer programming (e.g. Linux/Unix shell scripting, Python or MATLAB) are of advantage but not a precondition
- keen interest in mental disorders
- strong organizational skills
- very good command of German in order to communicate with non-scientific staff members, patients and students
- very good command of English (C1)

**We offer:**

- Meaningful work at a prominent medical research, teaching and patient care facility
- Exciting research projects that take medical technology to the next level
- Flat hierarchies with the chance to take on responsibility right from the start
- Opportunity for daily learning and professional development
- Conditions for an excellent work-life-balance and a team that truly supports it
- Childcare through partnerships with children's facilities in the vicinity of the university hospital
- JobTicket for public transport
- Use of the on-campus fitness studio

Disabled persons with equal qualification will be preferred.

Applications including a covering letter, CV with publication list, copy of degree certificate and transcript of grades (i.e. the official list of coursework including your grades), abstract of master thesis, two referee letters, proof of proficiency in English (TOEFL or equivalent) and German should be submitted as a single pdf file. We kindly ask you to apply preferably via our online form to make the selection process faster and more effective. Of course, we also consider your written application without any disadvantages.

We are looking forward to receiving your comprehensive application in one PDF until August 11th, 2024 online with registration number **PSM0924501**. For further information, please contact Prof. Stefan Ehrlich via e-mail: [psm@uniklinikum-dresden.de](mailto:psm@uniklinikum-dresden.de) or by phone 0351 458-4099.