



OPEN POSITION AT THE TNU ZURICH

MEDICAL HEAD OF TNU: CONSULTANT (FACHARZT/-ÄRZTIN) FOR PSYCHIATRY, PSYCHOSOMATICS OR INTERNAL MEDICINE

The **Translational Neuromodeling Unit** (TNU; Director: Prof. K.E. Stephan) is a division of the Institute of Biomedical Engineering at the University of Zurich and the Swiss Federal Institute of Technology (ETH Zurich). Founded in 2012, its mission is to translate advances in computational neuroscience into clinically useful tools for psychiatry and psychosomatics. To this end, the TNU brings together computational scientists, experimentalists and clinicians who jointly develop mathematical models of cognition, neurophysiology and brain-body-interactions and evaluate the diagnostic and prognostic use of these models in prospective patient studies.

Within a custom-designed building, the TNU operates a small research clinic for patient studies that are conducted in collaboration with different psychiatric institutions in Switzerland. This research clinic hosts a wide range of experimental facilities (EEG, behavioural, virtual reality, pharmacological and interoception labs). Additionally, the TNU has access to state-of-the-art fMRI facilities (3T and 7T) at the Institute for Biomedical Engineering in the direct vicinity.

The TNU invites applications for a Consultant (Facharzt/-ärztin) in Psychiatry, Psychosomatics or Internal Medicine

who heads the clinical team of the TNU, oversees the recruitment of patients, and designs and directs patient studies for validation of computational models developed at the TNU. We offer a position at a senior level (Oberarzt/-ärztin), with a duration of up to 6 years (rolling renewal) and potentially further extension. The salary is equivalent to that of a clinical consultant (approx. CHF 140k-160k p.a. plus social benefits, depending on experience and qualifications).

This position is ideally suited for a clinician who has completed his/her training in psychiatry psychosomatics or internal medicine (i.e., completed residency, "Facharzt") and would now like to focus on translational science with the goal of becoming a clinician scientist. While the position involves organizational and regulatory duties, responsibilities concerning patient studies as well as supervision of junior doctors and study nurses, there is ample opportunity to conduct one's own scientific studies and engage in collaborative research projects. The TNU offers a highly interdisciplinary environment at the intersection between computational sciences, neuroscience, and psychiatry/psychosomatics/internal medicine, with weekly teaching sessions about clinically oriented application of computational modeling techniques to neuroimaging, electrophysiological and behavioural data.



Essential qualifications and interests include:

- a completed residency/specialist training (“Facharzt”) in psychiatry, psychosomatics or internal medicine
- fluent German and excellent command of English
- ambition to take on organizational responsibility for a clinical team
- a team-player attitude and willingness to support patient studies
- interest in translational research and inter-disciplinary interactions with computational and experimental neuroscientists

Desirable, but not essential, qualifications include:

- knowledge of the Swiss health system
- experience with regulatory and organizational aspects of patient studies, in particular Swiss ethics regulations for research (Human Research Act)
- a scientific track record with regard to disorders of perception (schizophrenia, autism) or interoception/brain-body interactions (psychosomatics, depression)
- previous experience with neuroimaging approaches (EEG or fMRI)
- experience with neuropharmacological studies

The position is available from **January 2019**. Initial applications should be brief (including only a CV and a brief motivation letter of max. 1 page, both in pdf format) and be submitted electronically to tnu-jobs@biomed.ee.ethz.ch. Shortlisted applicants will be asked to provide further documents (e.g., certificates of clinical and academic training) and will be invited for interviews.

Informal inquiries can be directed to PD Dr. med. Helene Haker (haker@biomed.ee.ethz.ch) or Prof. K.E. Stephan (stephan@biomed.ee.ethz.ch). Applications will be considered until the position has been filled.

For more information on the TNU, please see: <http://www.tnu.ethz.ch>