

## **PhD Position in Computational Neuroscience (salary level TV-L E13 100%)**

### **Modelling Neural Dynamics and the Effects of Transcranial Electrical Stimulation**

**Faculty IV - Institute of Software Engineering and Theoretical Computer Science / Neural Information Processing Group**

**Reference number:** IV-215/23 (starting at the earliest possible date / for 5 years / closing date for applications 12/05/23)

**Working field:** Participation in the projects of the our research group in the field of computational neuroscience on modelling neural dynamics and the effects of transcranial electrical stimulation; collaboration with theoretical and experimental / clinical research groups of the Collaborative Research Center 1315 „Mechanisms and Disturbances of Memory Consolidation" (<https://www.sfb1315.de/>, cf. project B03) and the Bernstein Center for Computational Neuroscience Berlin (<https://www.bccn-berlin.de/>); assistance in the maintenance of the computer infrastructure of the research group; teaching tutorials for introductory courses in programming and algorithms & architectures for non-CS students. For information about our research group see <https://www.tu.berlin/en/ni>.

**Requirements:** Successfully completed university degree (Master, Diplom, or equivalent) in Computational Neuroscience, Computer Science, Electrical Engineering, Mathematics, Physics, or related fields; in-depth knowledge in dynamical systems, very good command of the German and English languages, the ability to teach in both German and English is required; very good programming skills and competences in the operating system UNIX; experience in modelling neural systems, teaching experience, and experience in server administration (UNIX) are desirable.

Please send your application with the usual documents exclusively by e-mail to Prof. Dr. Klaus Obermayer at [klaus.obermayer@tu-berlin.de](mailto:klaus.obermayer@tu-berlin.de), quoting the **reference number**.