

Neural Information Processing Group @ Technische Universität Berlin

PhD Position in Computational Neuroscience (salary grade E13 TV-L 100%)

Modelling Neural Population Dynamics and the Effects of External Stimulation

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

Earliest starting date: Sept. 1st, 2024

Period: 5 years

Reference number: IV-307/24

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 external stimulation; collaboration with theoretical, experimental, and clinical research groups of the CRC 1315 (<https://www.sfb1315.de/>) 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 nonlinear dynamics; a very good command of the English and German languages; the ability to teach in German; very good programming skills. Experience in modelling neural systems and teaching experience are desirable.

Please send your application with the usual documents (including CV, transcripts of records, German language certificate for non-native speakers) exclusively by e-mail to Prof. Dr. Klaus Obermayer at klaus.obermayer@tu-berlin.de.