The Chair for Machine Learning in Science (Prof. Dr. Jakob Macke) at the Excellence Cluster "Machine Learning: New Perspectives for Science" at University of Tübingen has an opening for a:

Student Assistant (m/f/d)

to work at the intersection of

Machine Learning and Computational Neuroscience

We are building large-scale recurrent neural networks simulating information processing in the fruit fly visual system (Lappalainen et al., Nature, 2024), funded by the ERC Grant DeepCoMechTome. You will play a key role in these efforts by curating datasets needed to optimise and validate these models. Your tasks include targeted literature research, systematic extraction of experimental parameters, data cleaning and standardisation, and integrating heterogeneous datasets into unified formats. Working closely with the research team, you will ensure that high-quality curated data can be fed directly into our modelling pipelines and supports the development of biologically grounded circuit models.

We offer:

- One year contract for 20 - 40h / month, starting date as soon as possible
- Flexible working hours
- Collaborative team within the fly vision community
- Insights to cutting-edge research at the intersection of ML and Computational Neuroscience

Your profile:

- a quantitative background, ideally a B.Sc. degree in a relevant discipline
- interest in neuroscience with a focus on vision research
- good programming skills (*Python*)
- reliable and independently working person

Application:

Please submit your application materials to mls-jobs@inf.uni-tuebingen.de, including a motivation letter, CV and transcript of record. We will start reviewing applications on December 1st, but will consider applications until the position is filled.

Our group:

We (www.mackelab.org) develop machine learning and AI methods to accelerate scientific discovery, with a particular focus on neuroscience. We aim to provide an interdisciplinary, collaborative and supportive work environment which emphasizes diversity and inclusion.

Commitment to diversity, equity, and inclusion

The university seeks to raise the number of women in research and teaching and therefore urges qualified women academics to apply for these positions. Equally qualified applicants with disabilities will be given preference in the hiring process. The university is committed to equal opportunities and diversity. It therefore takes individual's situation into account and asks for relevant information.