Mapping the brain

We are looking for student aids (HiWi)
10 – 40 hours / month

Research with flexible hours

Understanding the connectome, i.e. which nerve cell is connected where to which other cell, would greatly improve our knowledge about the brain's workings (and neural diseases).

Our aim is to create a circuit diagram of the connectome of the mouse brain. To this end, we prepare, stain, and embed brain slices, which we then image with an electron microscope. From the collected images, we can follow neurites and map out actual neural circuits. Although current computer algorithms are very useful in following neurites, they are often not reliable enough. Humans are, therefore, still needed to make a decision about whether a neuronal “wire” branches or not.

If you’re interested, this is what we offer:

- HiWi positions from 10 - 40 hours a month
- Workloads and times are flexible month to month
- Little training is required before you actually start working
- Long-term projects (Bachelors, Masters, PhD) are available

If you have questions or would like to apply, please contact us:

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