

HIWI position KELSCH-LAB at the Zentralinstitut für Seelische Gesundheit, Heidelberg University, Mannheim

We are looking for a student interested in a HIWI position for a BMBF-funded project on prefrontal control of behavioral dynamics in mice under naturalistic conditions.

The project

The project is about the effect of modulation of the frontal lobe and insular cortex on social and learning behavior in mice. Colonies of mice live in naturalistic non-invasive sensor-rich maze (NoSe-Maze). Individuals were constantly tracked across social and other behavioral domains. Tailored intermittent circuit manipulations allow to understand the behavioral dynamics in social networks.

The job

We are looking for a HiWi supporting in the video analysis with an established pipeline using deep learning tools (DeepLabCut) to recognize the interaction of individuals during their interactions in the group. The project tasks involved video processing, training of neuronal networks and evaluation of their performance with established tools.

Requirements

- Interest in working with neural networks. No prior knowledge is necessary
- Half or full time for at least 6-9 months, minimum 6-10hrs/week

What we offer

- Intense initial teaching and close contact to supervisors
- Lively and friendly team
- Flexible working hours
- HIWI contract

Contact

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