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MÜNCHEN

BIOZENTRUM DER LMU
FAKULTÄT FÜR BIOLOGIE
ORGANISMISCHE NEUROBIOLOGIE

Senior postdoc position, Vision circuits lab (Laura Busse), Faculty of Biology, LMU Munich

A senior postdoctoral position is available in Laura Busse's group at the Faculty of Biology, LMU Munich. We study the neural circuits of visual perception in awake, behaving mice, where we combine electrophysiological recordings using silicon probes / neuropixels with genetic tools for circuit manipulation. Our aim is to contribute to the understanding of sensory mechanisms of visual information processing and their dependence on visually guided behavior. The Faculty of Biology at the LMU Munich offers an outstanding environment for a successful postdoctoral career in systems neuroscience, with ample opportunities for collaboration with both experimentalists and computational neuroscientists, both within the department as well as with the neighboring Max-Planck-Institute for Neurobiology. The LMU Munich ranks among the top 10 universities in Europe. Munich, located in the south of Germany, is regularly ranked among the world's top cities for quality of living.

The position is for a senior postdoc ("*Akademischer Rat auf Zeit*") for a period of 3 years, with the possibility for extension (up to 6 years total). The successful candidate will initially collaborate on investigations of visual processing within the thalamo-cortico-thalamic loop in the mouse visual system, building upon our recent results (https://doi.org/10.1038/s41593-021-00943-0) published in *Nature Neuroscience*. The project will combine genetic circuit manipulations with extracellular recordings in mouse V1 and dLGN. In addition, the successful candidate will take a leading role in the supervision of the other ongoing projects in the lab. It is expected that over time, the successful candidate will attract third party funding to develop, within the lab's infrastructure and general interests, her independent research. While the lab is an experimental neuroscience lab, it embraces the systems neuroscience approach and has several fruitful national and international collaborations with computational neuroscientists. More information about the lab can be found at: https://visioncircuitslab.org

The successful candidate will be expected to contribute to the teaching and research training at the undergraduate and graduate level within the Faculty of Biology and the Graduate School of Systemic Neuroscience (GSN, https://www.gsn.uni-muenchen.de/index.html). The candidate must have a PhD in neuroscience, or a related field, and relevant postdoctoral experience in circuit-level visual neuroscience, including scientific programming. This position can be used to obtain a "Habilitation" as part of the qualifications towards a professorship.

There is some flexibility in the starting date, with a preference for the second half of 2022.

Informal inquiry is welcome via email to busse@bio.lmu.de.

Applications should include a CV, a brief statement of research interests, a cover letter with the expected date of availability, and names and contact information of at least three references.