

## Postdoc Position in Systems Neuroscience at Charité Berlin – Neural networks lab (Claudia Böhm)

Our lab's research is dedicated to uncovering how experiences transform neural activity. We focus on learning, the neural circuits governing flexible behavior, and the disruption of cognitive processes in mental disorders. A key area of our research centers on understanding the mechanisms that increase susceptibility to mental disorders following early adverse experiences. To address these questions, we use rodent models, implementing advanced techniques such as large-scale electrophysiological recordings with Neuropixels probes, innovative behavioral paradigms, optogenetic perturbations, and advanced data analysis methods.

Berlin is not only a fun place to live but also home to a vibrant international Neuroscience research community. Research topics are spanning from molecular to systems neuroscience and approaches covering fundamental, translational and clinical research. Charité Berlin offers career development trainings and workshops the successful candidate can benefit from. The lab offers individual mentoring and access to state of the art experimental techniques allowing for innovative research.

### *Your job*

- Conduct behavioral and electrophysiological experiments in rodents
- Develop and implement data analysis routines for large-scale data sets (including ephys and behavioral data)
- Interpretation and presentation of results in meetings and conferences
- Writing and publishing research articles

### *Your profile*

- PhD in a relevant field, e.g. Life Sciences, (Computational) Neuroscience or related
- experience with neural data acquisition (e.g. ephys or imaging)
- solid knowledge and experience in scientific programming and data analysis (e.g. Python and/or Matlab)
- interest in teamwork and collaboration
- analytical approach to problem-solving
- ability to work independently
- good communication skills in English

To apply please send a letter of motivation, your CV and contact details of at least two referees to [claudia.boehm@charite.de](mailto:claudia.boehm@charite.de)

We are looking forward to hearing from you!



<https://www.claudiaboehmlab.com>

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