Einstein International Postdoc Fellowship
in the team of Dr. Nikolaus Wenger
at Charité, University Medicine Berlin, Germany

Restoration of neuromotor impairments after stroke – structural neuroplasticity

We are searching for talented scientific minds to join our team on Translational Neuromodulation.

**Research topic**
Our group is interested in the mechanisms of neuromodulation, and translating this knowledge towards the development of future therapies for neurological disorders. For this, we are working in animal models of stroke and Parkinson’s disease, combining state of the art experimental methods with clinically viable stimulation techniques (i.e. optogenetics, in-vivo electrophysiology, detailed kinematic analysis, spinal cord stimulation and DBS). In the Einstein project we want to explore how structural neuroplasticity can be steered at the circuit level to aid motor recovery after stroke.

**Information about the fellowship**
We are searching for postdoctoral candidates for a joint application to the Einstein International Postdoctoral Fellowship Program. Fitting candidates need to be recruited from abroad (or from Germany, if they have recently moved from abroad within the last 6 months). Ideally, we are searching for individuals with experience in behavioral research, viral tracings and immunohistochemistry. The project can be tailored to the skill sets and ideas of the candidates. Earliest start: July 2021. Funding duration up to 3 ½ years. Salary according to DFG standards.

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**References**
Capogrosso et al., 2018 Nat Protoc. PMID: 30190556
Wenger et al., 2016 Nat Medicine. PMID: 26779815
Minev et al., 2015 Science. PMID: 25253676
Wenger et al., 2014 Sci Trans Med. PMID: 25253676