As a leading university hospital with a rich tradition, the Inselspital is part of the Insel Group and is a centre of medical expertise and high technology with an international reputation as well as being a first-class training and research centre.

Department of Neurology
Center for Experimental Neurology (ZEN)
examined immediately or upon agreement
limited for 1 year renewable

Postdoctoral Position Stroke Laboratory
100 %

The Center for Experimental Neurology (ZEN) from the Department of Neurology, University of Bern at the Inselspital University Hospital, Switzerland, invites applications for a position as PhD position in brain mechanisms of stroke recovery.

The challenge
Our scientific goals aim at investigating the mechanism of sleep-dependent brain plasticity in animal models of stroke (Prof. Claudio Bassetti) and the neural substrate of sleep-wake circuits and functions (Prof. Antoine Adamantidis). To achieve this goal, we have developed state-of-the-art technologies including gene expression analysis, calcium imaging, generation of genetically-engineered mouse models, in vitro/vivo optogenetics, in vitro electrophysiology in freely-moving rodents. To further strengthen our group, we are seeking for one postdoctoral fellow to study the network connectivity and plasticity in an animal model of stroke. The successful candidate should have a strong experience in in vitro/vivo electrophysiology and cell/network activity imaging.

Your profile
• Fluent in English
• PhD degree in Neuroscience, physics or engineering
• Experience in in vitro/vivo electrophysiology and cell/network activity imaging
• Strong communication skills
• One first author publication

The package
• Good working atmosphere
• International environment
• Position involves working with an interdisciplinary team of experimental and clinical scientists

Contact
For further information please call the Department of Neurology
Phone +41 31 632 30 66

Code number 4219/17