

In the Institute for Experimental and Clinical Pharmacology and Toxicology, University of Lübeck we offer a

Postdoc position, Intravital microscopy for investigating the blood-brain barrier (m/f)

The project is funded by the Deutsche Forschungsgemeinschaft (DFG) within the call 'Neuartige, experimentelle Lichtmikroskopie für die Forschung' (http://www.dfg.de/service/presse/pressemitteilungen/2018/pressemitteilung_nr_59/index.html).

It aims to adapt STED nanoscopy as well as 2P microscopy to the in vivo imaging of vascular processes in the neurosciences. New microscopic techniques such as advanced scanning patterns, adaptive optics and microscopic optical coherence tomography (OCT) shall enable a multiscale imaging with minimized photodamage.

The research group for Intravital Microscopy includes a PhD student in addition to the offered postdoc position and is localized in the Small Animal Imaging Lübeck (SAIL) facility in the Center for Brain, Behavior and Metabolism (CBBM), University of Lübeck. It is based on a broad background in biomedical optics, intravital microscopy and cerebrovascular biology, but the specific technology for applying intravital STED nanoscopy to cerebral vessels has to be established within the project.

We are looking for professional and competent support to start as soon as possible.

Your profile:

- The ideal candidate should seek technological challenges with high scientific potential.
- He/she has studied biology, physics or related subjects and has gathered in-depth experience in biomedical optics, microscopy and neurosciences.

What we offer:

This is a fixed-term position for two years, with the possibility of extension. Weekly working time is 100% of a full-time position (currently 38.5 hours per week). Working part-time is possible. Salary will be, depending on qualifications, according to the German salary scale E13 TV-L. The preferred starting date is May 1st 2021.

Additional Information:

For more details on the position, please contact Prof. Dr. Markus Schwaninger via e-mail: markus.schwaninger@uni-luebeck.de.