PhD Student Position in Neuroimmunology/Neuroimaging

100%

In the group of Prof. Britta Engelhardt, there is an opening for a qualified and highly motivated student to pursue a PhD thesis in the field of neuroimmunology and neuroimaging.

Tasks
The PhD project is embedded in an interdisciplinary collaborative Sinergia project funded by the Swiss National Science Foundation that explores fluid dynamics and the functional anatomy of the central nervous system in mouse models. The Sinergia project brings together the groups of Vartan Kurtcuoglu (University of Zurich), Bert Müller (University of Basel), Steven Proulx and Britta Engelhardt (University of Bern). The advertised PhD project will focus on exploring the role of the brain barriers in regulating fluid dynamics in the CNS during homeostasis and neuroinflammation by employing high-end in vivo imaging techniques ranging from near-infrared and two-photon imaging to synchrotron radiation-based micro-computed tomography.

Requirements
The successful candidate has a master's degree in the life sciences, bioengineering or a related discipline with a dedicated interest in neuroimmunology and neuroimaging using in vivo models and sophisticated imaging techniques. The candidate is expected to have a high motivation in pursuing an interdisciplinary and team-oriented research effort.

We offer
The TKI offers an international state-of-the-art laboratory environment. The PhD student will be enrolled in the interfaculty Graduate School for Cellular and Biomedical Sciences at the University of Bern www.gcb.unibe.ch. Excellent training possibilities will additionally be available through the PhD programs „Cell Migration“ www.cell-mig.ch and “Cutting Edge Microscopy” www.mic.unibe.ch.

For more information please contact Prof. Britta Engelhardt or look at our Hompage: www.tki.unibe.ch

Applications including a CV, information on educational background and experience, a meaningful motivation letter and 2 references should be sent latest by November 20th, 2023 to:
Prof. Britta Engelhardt, Theodor Kocher Institute, University of Bern, Freiestrasse. 1, CH-3012 Bern, Switzerland. E-Mail: sekretariat.tki@unibe.ch