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## Postdoctoral Position

14.09.2009

A postdoctoral position is available in Dr. Stefan Liebner's group in the Institute of Neurology (Edinger-Institute), Medical School of the Goethe University Frankfurt, Germany. To study mechanisms of barrier regulation (Wnt pathway, tight junctions proteins and barrier related genes such as p-glycoprotein, Abcg2/BCRP) at the blood-brain barrier. The group is looking at ways to modify transcriptional regulation of these genes to improve CNS pharmacotherapy.

We are concerned about how the barrier changes in CNS diseases, in particular in brain tumors, and how those changes alter the ability to deliver therapeutic drugs to the brain. Our experiments are done *in vivo* with mice and *in vitro* with primary brain endothelial cells.

In a EU Health FP7 funded, international consortium (JUSTBRAIN), the project aims to develop ways to regulate genes on the transcriptional level *in vivo* and *in vitro* to modulate paracellular transport across the blood-brain barrier to improve drug delivery.

The ideal candidate would be a recent Ph.D. with a background in molecular/cell biology or signaling. Experience with mice is advantageous but not required. Starting date is flexible, but earliest 01.01.2010.

Interested scientists should send a CV and a cover letter to Dr. Liebner ([stefan.liebner@kgu.de](mailto:stefan.liebner@kgu.de)).

