

Open PhD position in „Neural plasticity and regeneration“

The young research group investigates mechanisms of endogenous neural cellular plasticity and neurogenesis in the adult brain on healthy animals and in animal models for neurodegenerative diseases. We use pharmacological and genetic mouse and rat models for Parkinson´s disease and study the generation and differentiation of newborn neural cells in various regions of the adult brain. Using pharmacological and physiological stimuli as well as changes in lifestyle we modulate the endogenous cellular plasticity towards a potential therapeutic tool in neurodegenerative diseases. We also transplant neurally induced mesenchymal stem cells into the diseased brain and investigate the influence of these cells as potential vehicles for neurotrophic factors and stimulators of endogenous neurogenesis following neurodegeneration. PhD position is available from July 2010 in this group associated to the Dept of Neurology, Charite, CCM.

The candidate should have a background in animal handling, immunohistochemistry, fluorescence and confocal microscopy, molecular biology techniques. He/she will be responsible for the organisation and performance of the animal study.

Applicants should send a CV, a brief statement of background and goals as well as references to Dr. Barbara Steiner (barbara.steiner@charite.de). Electronic applications are preferred.

Application deadline: 01.06.2010