Postdoc Program between the Freie Universität Berlin (FUB) and the China Scholarship Council (CSC)

Open Postdoc position for CSC scholarship candidates 2015

The postdoc position is only offered to Chinese who graduated with a PhD degree from a Chinese university.

Department/Institute:	Institute for Neurobiology / Max-Delbrueck-Center for molecular medicine
Subject area:	Developmental Neurobiology
Professor / Research Group:	Prof. Dr. Fritz G. Rathjen
Number of open positions:	1
Project title:	Molecular analysis of axonal branching

Project description:

The branching of axons is a morphological hallmark of virtually all neurons, and allows an individual nerve cell to innervate several distinct targets and to communicate with neurons in different parts of the brain. Axonal branching is therefore a key mechanism in the generation of neuronal circuits and allows the processing of information arriving from different parts of the body. Thus, axonal branching is crucial for normal brain function and impairments of branching might result in neurological and neurodevelopmental disorders. In the last decades axonal branching has been therefore the subject of intense study primarily by in vitro cultures, but our knowledge of the underlying molecular signaling mechanisms is still fragmentary. Dr Rathjen ´s laboratory focuses on the molecular analysis of branching of axons and the identification of signalling cascades important for axon arborisation. We apply molecular, genetic, biochemical, electrophysiological and histological techniques.

For further information please see our homepage at the Max-Delbrück-Center.

Academic requirements:

PhD in Biology or Biochemistry

Link to professor/contact and further information:

Please note:
In a first step the complete application should submit to the Beijing Office for evaluation by November 21, 2014. Please don't contact the professor before. He will get in contact with you after having received the complete application.