



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

Open PhD position at FUB for CSC scholarship candidates 2016

Please note: the PhD position is only offered to Chinese PhD candidates for application in the framework of the FUB-CSC PhD Program.

<u>Department/Institute:</u>	Department of Veterinary Medicine, Institute of Immunology
<u>Subject area:</u>	Infection Immunology
<u>Name of Supervisor:</u>	Prof. Dr. Susanne HARTMANN (Ms.)
<u>Number of open PhD positions:</u>	2
<u>Type of the PhD Study:</u>	Full-time
<u>Project title:</u>	Immunity to nematode infections

PhD Project description:

Parasitic nematodes (Roundworms, Filarial worms and Hookworms) are able to infect a variety of species and successfully establish long-term chronic infections resulting in morbidity of the host. In order to evade elimination by the immune system nematodes have evolved many mechanisms to dodge immune attacks by innate (macrophages, granulocytes) and adaptive arms (antibody response by B-cells, CD4+ T-cells) of the host's immune system. Nevertheless, after termination of a primary infection, mice can mount a specific protective immune response and also humans develop protective immune responses over time. Thus, the focus of one PhD project is to dissect molecules and cells involved in the development of protective immunity. The second project will focus on phenotypes and pathways of innate immune cells with immune regulatory potential.

Language requirements:

English

Academic requirements:

Expertise in cell culture techniques and immunological techniques is necessary.
Expertise in flow cytometry and animal experiments is preferable.
Bachelor degree is not sufficient. Master of Science degree or equivalent is mandatory.

Information of the professor or research group leader:

Our group has a long-standing expertise in infection immunology in mouse, swine and humans. We are particularly interested in the modulation of cells of the innate and adaptive immune system by parasitic helminthes, such as nematodes. Moreover, the characterization of immune regulatory components and their application for modulation of immune related disorders has been a focus of our research for many years.

Further information please note:

<http://www.vetmed.fu-berlin.de/en/einrichtungen/institute/we06/forschung/index.html>

Please note:

In a first step the complete application should submit to the Beijing Office for evaluation by January 4th, 2016. Please don't contact the professor before. He/She will get in contact with you after having received the complete application in January.