



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

Open PhD Position at Freie Universität Berlin, offered only to Chinese CSC scholarship candidates 2019

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

Department/Institute: Department of Veterinary Medicine, Institute of Immunology
Subject area: Infection Immunology

Name of Supervisor: Prof. Dr. Susanne Hartmann, Dr. Ivet Yordanova

Number of open PhD positions: 1
Type of the PhD Study: Full-time

Project title: Memory T Cell Responses in Helminth Infection

PhD Project description:

Helminths, which globally affect more than 2 billion people and nearly every animal are strong inducers of Th2 effector responses. Typically, acute helminth infections are characterized by highly functional Th2 CD4⁺ T cells. However, during chronicity of infection diverse regulatory mechanisms lead to decreased CD4⁺ Th2 effector function. This hypo-responsive state during the long-term chronic phase of infection is also governed by regulators such as regulatory T cells. The development of functionally impaired CD4⁺ Th2 cells provides an explanation for why the establishment of protective memory to helminths is often insufficient and immunity in humans develops slowly over decades only and most individuals in endemic areas get commonly re-infected.

The cellular mechanisms of where and how Th2 memory cells persist in different niches is not understood. Therefore, the proposed project aims to investigate Th2 memory cell formation in a murine intestinal helminth infection.

Language requirements:

- IELTS: 6,5 oder TOEFL: 95 ibt

Academic requirements:

Academic requirement: Master of Science, preferable in Veterinary Medicine.

Experiences in: Immunology and Parasitology

Information of the professor or research group leader (website, awards etc.):

Webpage of the Institute of Immunology: <http://www.vetmed.fu-berlin.de/en/einrichtungen/institute/we06/ueber-uns/index.html>

Please Note: In a first step, the complete application should be submitted to the Beijing Office for evaluation by January 4th, 2019. Please do not contact the professor before. He/she will get in contact with you after having received the complete application via the Beijing Office in January.