

Open Position for CsF candidates 2015

Department/Institute: Institute of Pharmacy

Subject Area: Pharmacology

Name of Supervisor: Prof. Dr. Günther Weindl

Number of Positions: 1

Type of Positions PhD (Promotion)

Project Title: Innate immunity in Langerhans cells

Project Description: The importance of Langerhans cells (LC) as a first-line defence against pathogenic challenge has long been recognized. As a link between innate and adaptive immunity and being responsible for tolerance mechanisms e.g. in autoimmune reactions the function of LCs for diseases with immune dysregulation is of high importance. The detailed mechanisms of the induction of an immune response, however, are still not exactly known and the contribution of LCs to the promotion or control of immunity is discussed controversial in the literature. The project aims at characterizing and understanding the molecular mechanisms underlying LC function in vitro focusing on innate immune responses, e.g. mediated by pattern recognition receptors. The work will be done using in vitro generated epidermal dendritic cells and will include biochemical, molecular and cell biology techniques.

Academic Requirements: The candidate should hold a master's degree in pharmaceutical sciences or related discipline (e.g. biology, biochemistry, molecular biology) with a solid understanding of pharmacology and immunology. A strong background and practical experience in cell and molecular biology is preferred. We are seeking an individual with the ability to work independently in a multidisciplinary group and high motivation. Proof of excellent English language proficiency is required (at least level C1 or higher). German language proficiency is not required, but strongly recommended. For admission to the Doctoral Studies Program Biomedical Sciences at Dahlem Research School (DRS) of Freie Universität Berlin applicants are required to provide proof of their full ability to study in the language of instruction by having passed the German language exam required for university admission (DSH) with a grade of DSH 2 or equivalent proficiency in the language as defined by the rules and regulations governing the German language exam for university admission of foreign applicants at Freie Universität. Successful application to the Doctoral Studies Program is mandatory to obtain a

PhD. In all other cases the candidate will obtain a traditional doctorate degree.

Doctoral Studies Program Biomedical Sciences at Dahlem Research School (DRS) of Freie Universität Berlin (mandatory to obtain PhD): <http://www.vetmed.fu-berlin.de/einrichtungen/sonstige/drs/index.html>

Language Requirements: English (fluent; excellent writing skills)

Further Information: http://www.bcp.fu-berlin.de/en/pharmazie/pharmakologie/arbeitsgruppe_weindl/index.html

Further Information on Ciência sem Fronteiras at FU Berlin http://www.fu-berlin.de/en/sites/brazil/Ciencia_sem_Fronteiras/index.html

For further questions, please contact the Liaison Office of FU Berlin in São Paulo saopaulo@fu-berlin.de.

Application <http://www.csf-alemanha.de/pt/>

While applying online via this website, please make sure to also upload or send a copy of the following documents to saopaulo@fu-berlin.de:

-letter of application;

-academic CV (including former study programs, internships, publications);

-one or two letters of recommendation of distinguished professors of your university.

Some of the above documents are also required by Capes, but FU Berlin needs an English or German version of each of the listed documents. The documents are required by the individual institution responsible for the acceptance process. They may enhance your chances to get accepted. A decision cannot be made unless they have fully been transmitted. For further questions, please contact saopaulo@fu-berlin.de.