

Expression of Interest for Hosting a Marie Skłodowska-Curie Postdoc Fellow

Department/Institute

Freie Universität Berlin

Department of Biology, Chemistry, Pharmacy

Institute of Pharmacy

Pharmacology and Toxicology

Scientific requirements & topic for postdoc position

Scientific requirements: The candidate should hold a PhD degree in pharmaceutical sciences or related discipline (e.g. biology, biochemistry, molecular biology) with a solid understanding of pharmacology and immunology. Postdoctoral candidates should have an excellent publication record. A strong background and practical experience in cell and molecular biology is required. 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 recommended.

Topic: Molecular mechanisms of immune responses in epidermal dendritic cells. The importance of epidermal dendritic cells 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 dendritic cells 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 epidermal dendritic cells to the promotion or control of immunity is discussed controversial in the literature. The project aims at characterizing and understanding the molecular mechanisms underlying dendritic cell function in vitro focusing on innate immune responses, e.g. mediated by pattern recognition receptors. The work will be done using in vitro generated human epidermal dendritic cells and will include biochemical, molecular and cell biology techniques.

* **Deadline of the next call for proposals for Marie Skłodowska-Curie Individual Fellowships:**
11 September 2014, 17:00 Brussels time

Contact person

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Deadline*

31.08.2014