



The **Swiss Institute of Allergy and Asthma Research (SIAF)** in Davos, Switzerland is an academic research institute associated with the University of Zurich with a long track of original discoveries and contributions dedicated to basic and translational research in the fields of immunology, allergy and asthma. SIAF participates in the Microbiology and Immunology (MIM) and Systems Biology PhD Programs of the Life Sciences Zurich Graduate School.

The Immunology Group is looking for a highly motivated

PhD Student

for the project *Identification of distinct cellular and molecular features of nonlesional skin (NLS) and lesional skin (LS) of atopic dermatitis.*

Atopic dermatitis (AD) is a chronic inflammatory skin disorder with a huge public health burden affecting than 10% of the infants and 4% of adults. This project aims to achieve further understanding and identification of novel targets for the treatment of AD. We will aim at identifying specific features and indicators to regulate the immune response and skin barrier function in NLS and LS. We will use the new technologies, such as spatial gene expression assay, imaging mass cytometry, targeted proteomics analyses, analyses with reconstructed human epidermis, single cell analysis with human samples. We will use advanced bioinformatic tools for the big data analysis in collaboration with Functional Genomic Center of Zurich (FGCZ).

We offer an interesting and challenging PhD position in a world-class scientific institute in a new building with the state-of-the-art laboratories and a dynamic, international team of interdisciplinary experts. Our young, open-minded and highly motivated group provides an unique environment, where you can achieve your scientific and career goals, balanced with a variety of sports options and social interactions.

Your profile

Please include in your motivation letter the information of degree, practical experience in immunological or molecular biology techniques, basic experience in data analysis, ability to communicate within a team and ability to complete project objectives.

Please send your motivation letter and CV together with two reference letters to Dr. Yasutaka Mitamura: yasutaka.mitamura@siaf.uzh.ch.

For more information contact us or visit www.siaf.uzh.ch.

