

PhD Candidate Position in Immunology (100%)

The Mirjam Schenk Research Group, part of the Christine Kühne – Center for Allergy Research and Education (CK-CARE) research consortium at the Medicine Campus Davos, Switzerland, is seeking a highly motivated PhD candidate to explore the immune mechanisms underlying atopic dermatitis (AD) and other allergic diseases. The successful candidate will employ cutting-edge techniques in immunoproteomics, spatial biology, and single-cell sequencing to explore the molecular and cellular mechanisms underlying these inflammatory disorders. The research will integrate omics data with clinical insights to advance therapeutic strategies for inflammatory diseases. As a PhD student, you will receive advanced training in both fundamental and translational immunology, with a focus on utilizing high-dimensional data integration to investigate immune regulation. The position offers the chance to present findings at scientific meetings and publish in high-impact journals. The PhD candidate will be admitted to the Graduate School for Cellular and Biomedical Sciences at the University of Bern (<http://www.gcb.unibe.ch>).

Your Profile

- A master's degree in Biology, Life Sciences, or Bioinformatics, with a strong focus on Immunology, Allergology, or Dermatology
- A demonstrated interest in research with a translational focus bridging basic science and clinical applications
- Proficiency in R programming and experience with standard bioinformatics tools and statistical analysis
- Practical experience in working with human samples and sample processing techniques (experience with mouse work is a plus)
- A keen interest or experience in integrating multi-omics data (e.g., genomics, transcriptomics, proteomics) with clinical datasets
- Strong collaborative and communication skills with an ability to work effectively in a team-oriented research environment
- Proficiency in English (both written and spoken) is required

We Offer

- A highly interdisciplinary and international research environment with opportunities for collaboration across multiple research institutes and clinical centers
- Access to state-of-the-art technologies including CyTOF, IMC, Mass Spectrometry, slide scanning, and single-cell RNA sequencing
- The opportunity to work with an extensive collection of clinical samples and data from the CK-CARE biobank, which includes over 2000 AD patients and controls
- Integration into a well-established research network focused on Allergology and Dermatology (CK-CARE), and participation in the Skintegritiy Network, a collaborative initiative aimed at advancing skin research and dermatological therapies
- The opportunity to conduct research at a translational medical campus, dedicated to advancing both basic and applied medical sciences

Application/Contact: The position is available starting February 1, 2025 (or by mutual agreement). The salary will be competitive and aligned with the Swiss National Science Foundation (SNSF) guidelines. The position will remain open until filled, and applications will be reviewed on a rolling basis.

Interested candidates should submit the following application materials:

- CV (including contact details for at least three references)
- A brief description of previous research experience
- A letter of motivation outlining your interest in the position and your research goals

Applications should be sent to info@ck-care.ch.

Questions regarding this position should be directed to Prof. Dr. Mirjam Schenk (PI): mirjam.schenk@ck-care.ch.