

## PhD Candidate position in Immunology (100%)

The **Christine Kühne – Center for Allergy Research and Education** (CK-CARE) research consortium located at the Medicine Campus Davos, Switzerland, is seeking a highly motivated graduate student (PhD) in the research group of Dr. Ganesh E. Phad to study the immune response in chronic inflammatory skin disease such as atopic dermatitis (AD). More specifically, we are interested in investigating the epigenetic and transcriptional dynamics, as well as dysregulation within key immune and non-immune cells among patients at different stages of atopic dermatitis and throughout the course of immunotherapy. The candidate will apply a variety of cellular, epigenomic and single cell/spatial multiomic approaches and integrate clinical data to advance the understanding and drive new treatments of atopic dermatitis. We are seeking a candidate with strong intrinsic motivation and a proactive mindset, as well as the ability to work both independently and collaboratively within a team to propel the research project forward.

### Your profile

- You hold an academic degree in natural sciences (MSc or equivalent) acceptable for matriculation as a PhD student at a Swiss University
- You have good hands-on experience in various cell culture and molecular biology techniques. You have interest to explore new technologies and integrate into lab's workflow
- You have interest and basic knowledge in immunology and epigenetics
- You have bioinformatic experience, ideally epigenomics and interest in single cell multiomic data analysis
- You are highly interested and self-motivated to perform research with a strong translational aspect
- You have strong interpersonal skills, and you are a great team player
- Fluency in English – written and oral is expected

### We offer you

- a highly collaborative, international, and interactive research environment
- access to cutting-edge equipment and technologies (Orbitrap MS, CyTOF / IMC, slide scanner, scRNA-seq)
- access to clinical patient samples and data from the CK-CARE biobank, containing over 2000 AD patients covering diverse age range (infants to older adults) and age matched controls
- to work as part of a highly qualified and well-connected research network (<https://ck-care.ch/en/locations/>)
- the opportunity to work on a growing medical campus dedicated to basic and translational research
- the opportunity to work and live in a famous Swiss ski and mountain resort
- access to the state-of-the-art gym/fitness center

CK-CARE comprises five clinical and basic research facilities in Switzerland and Germany with the main focus on Allergology and Dermatology. The Medicine Campus Davos integrates medical care (with Hochgebirgsklinik Davos), translational and basic research in one place. Patients can profit from individually adapted rehabilitative care, acute diagnostics, preventive medicine and treatment of chronic inflammatory diseases.

### Application/Contact

The position is available as of April 1<sup>st</sup>, 2024 (or upon agreement) with a competitive salary according to Swiss National Science Foundation (SNSF) scale. The call will remain open until the position is filled. Candidates will be contacted by us on a rolling basis. We look forward to receiving your application. Please send a CV (including contact information for 2-3 references), a short description of your research experience, and a letter of motivation to [info@ck-care.ch](mailto:info@ck-care.ch).

Questions regarding this position should be directed to:

Dr. Ganesh E. Phad (orcid: [0009-0009-7723-8467](https://orcid.org/0009-0009-7723-8467))

[Ganesh.Phad@ck-care.ch](mailto:Ganesh.Phad@ck-care.ch)

Phone +41 81 410 13 00