

Doctoral Researcher / PhD Candidate (m/f/d)

Klinik und Poliklinik für Dermatologie und Allergologie

The Hospital of the University of Munich, Germany, is one of the largest and most competitive university hospitals in Germany and Europe. 48 specialized hospitals, departments and institutions harbouring excellent research and education provide patient care at the highest medical level with around 11.000 employees.

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| WORKPLACE | Campus Innenstadt | DATE OF ENTRY | 01.04.2026 |
| WORKING HOURS | Part time | APPLICATION DEADLINE | 26.01.2026 |
| INSTITUTION | Klinik und Poliklinik für Dermatologie und Allergologie | REFERENCE NUMBER | 2025-K-0452 |
| DEPARTMENT | Forschungslabor Prof. Lauffer | | |

Scope of duties

The Department of Dermatology and Allergology (Director: Prof. Michael Flaig) is part of the newly established Transregional Collaborative Research Center (CRC) 425 "Desmosomal Dysfunction in Epithelial Barriers" (DEFINE). The mission of this multidisciplinary research consortium is to uncover cellular mechanisms underlying desmosomal dysfunction. CRC 425 combines cutting-edge technologies and translational approaches using patient-derived samples.

Subproject B03 is led by Prof. Lauffer in Munich and Prof. Yazdi in Aachen. Together, we aim to elucidate mechanisms of desmosomal detachment in various skin diseases, with a particular focus on the interplay between pro-inflammatory cytokines, cell death, and desmosomal function. To achieve this, we will use primary human cells (keratinocytes and T cells), three-dimensional skin models, and patient-derived skin biopsies in combination with state-of-the-art imaging and omics technologies.

Your tasks include:

- Conducting research and development activities within this DFG-funded CRC subproject, including cell culture, generation of three-dimensional skin models, imaging, RNA sequencing, and functional assays (e.g. keratinocyte detachment assays, viability assays)
- Communicating and coordinating experimental progress within the CRC as well as with national and international collaboration partners
- Presenting scientific findings within the CRC and at national and international conferences and workshops

Our requirements

- MSc degree or equivalent in immunology, (cell) biology, biochemistry, or a related field
- Strong interest in immunology, cell death, and translational research
- Hands-on experience in cell culture and in the application of standard immunological techniques, such as flow cytometry, Western blotting, qRT-PCR, immunohistochemistry, and ELISA
- Experience in bioinformatic analysis of RNA-seq data is an advantage
- Highly motivated, with the ability to work both independently on experimental projects and collaboratively within an interdisciplinary team
- Strong communication skills and proficiency in English

Our offer

- We offer a supportive working atmosphere in an interdisciplinary working group consisting of biologists and dermatological clinician scientists.
- All of the methods mentioned are well established in the working group, and great importance is attached to providing good supervision and training.
- Thanks to the established models of inflammatory skin diseases, there is no need to use animal models in this project, making this position particularly interesting for applicants who prefer to work primarily with human samples.
- Within the research network, there is strong support for doctoral students through the integrated Research Training Group.
- There is close collaboration with other laboratories that are part of the network, with the opportunity for laboratory visits to learn new methods and improve networking.
- The position is offered for a period of 3 years and 9 months, provided that no previous qualification periods need to be taken into account. The starting date is April 1, 2026. The position is part-time (65% of regular working hours).
- Remuneration is based on the Collective Agreement for the Public Sector of the Länder (TV-L) including all allowances customary in the public sector.

Offers and services of the employer

Further education and training

Company pension scheme

Childcare services

Mobile work (if suitable)

Job ticket

Discounts

Staff accommodation (if available)

Mrs Fahrenkamp, Monika

089 4400 56212

Application format

Please use the Online-Form for your application

<http://www.lmu-klinikum.de/6c6be18d898b8215>

Disabled persons will be preferentially considered in case of equal qualification. Presentation costs cannot be refunded.

Please note that we cannot reimburse travel expenses incurred through interviews.

We ask you for your understanding that postal applications will not be returned, but will be destroyed in accordance with data protection regulations. The data usage information also applies to postal applications