LMU KLINIKUM

PhD for the research group “Mucosal Immunology” (m/f/d)

Kinderklinik und Kinderpoliklinik im Dr. von Haunerschen Kinderspital

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.

WORKPLACE	Campus Innenstadt	DATE OF ENTRY	01.07.2026
WORKING HOURS	Part time	APPLICATION DEADLINE	15.05.2026
INSTITUTION	Kinderklinik und Kinderpoliklinik im Dr. von Haunerschen Kinderspital	REFERENCE NUMBER	2026-K-0139
DEPARTMENT	Forschung / Research, AG Kotlarz		

Scope of duties

For a DFG-funded project of the TRR338 “LETSIMMUN” (Lymphocyte Engineering for Therapeutic Synthetic Immunity), the research group “Mucosal Immunology” headed by Prof. Daniel Kotlarz at the Comprehensive Childhood Research Center of the Dr. von Hauner Children’s Hospital (CCRC Hauner) is now offering a position for a highly motivated PhD student.

The overall goal of our interdisciplinary and international research group is to explore molecular causes in children with life-threatening very early onset inflammatory bowel disease (VEO-IBD). In particular, our laboratory focuses on decoding genetic and immune signatures of VEO-IBD by employing omics-based technologies and advanced preclinical models. Our studies will lead to new insights into disease pathogenesis, diagnosis, and treatment for children with this intractable disease.

The project will be conducted at the CCRC-Hauner (>130 interdisciplinary scientists) that has an outstanding track record in translational sciences and provides state-of-the-art core facilities (CF) (e.g., NGS, flow cytometry, microscopy). In parallel, we have a bioinformatics team at Helmholtz Munich that supports all projects leveraging advanced multi-omics, computational, and AI-driven infrastructures within the CHC, an emerging European hub for AI-driven precision medicine (>40 PIs). Our institutes follows the mission "Concept Pediatrics – the Child at the Center of Science" exemplifying the interaction of molecular research with patient-oriented clinical applications.

The successful candidate will use innovative viral and CRISPR/Cas9-mediated genome targeting approaches to generate human and mouse CAR Tregs and test their functionality, therapeutic potential, and safety in preclinical disease models, i.e. advanced co-culture models of human immune cells, intestinal organoids and mouse models. The candidate will be introduced into our innovative and advanced experimental pipeline of human disease models including CRISPR/Cas9-mediated genome editing, induced pluripotent stem cells, intestinal organoids and mouse models. The project is integrated in the DFG-funded TRR338 and successful candidates will benefit from the IRTG graduate program.

Our requirements

- You are highly motivated and share our enthusiasm for translational science.
- You want to help pediatric patients by dissecting disease mechanisms of inflammatory bowel disease.
- You are a team player.
- You have completed or will soon complete a qualifying degree (Master, Diploma, or similar) in medicine, veterinary medicine, life sciences, pharmacy, or a related discipline.
- You have first experience in basic techniques of biochemistry, cellular biology, and molecular biology.
- You are a flexible and proactive person with strong interpersonal skills.

Our offer

- The position offers the opportunity to work in a dynamic, highly motivated, and international team in a research environment at one of Germany's top universities.
- The lab is well-funded and well-equipped, with excellent support from core facilities.
- The successful candidate will be integrated into a structured PhD program.
- Candidates are expected to have documented expertise in immunological, molecular, cell biological and genetic experimental techniques.
- An established state-of-the-art experimental pipeline is available, with mentoring provided by advanced researchers.
- The position includes integration into strong international alliances and networks with worldwide leading research institutes.
- The position is initially for 3 years.
- Remuneration is based on the Collective Agreement for the Public Sector of the Länder (TV-L) including all allowances customary in the public sector.

The Ludwig-Maximilians-University (LMU) Hospital is committed to a family-oriented policy and an equal opportunity employer. Applications should include a motivation letter (maximum one page) and a CV (maximum two to three pages).

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)

Mr. Dr. Illig, David

089 4400 57985

Mrs. Dr.rer.nat. Kreuzeder, Marina

089 4400 57359

Application format

Please use the Online-Form for your application

http://www.lmu-klinikum.de/04e3d245f5ae5516

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