LMU KLINIKUM

Postdoctoral Researcher – CAR T-Cell Development and Tumor Immunology (m/f/d)

Institut für Klinische Pharmakologie

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 12.000 employees.

WORKPLACE	Campus Innenstadt	DATE OF ENTRY	01.01.2027
WORKING HOURS	Full time	APPLICATION DEADLINE	15.12.2026
INSTITUTION	Institut für Klinische Pharmakologie	REFERENCE NUMBER	2026-K-0446
DEPARTMENT	Cell Therapy and Tumor Immunology		

Scope of duties

- Develop and optimize CAR constructs and support their transfer into a scalable retroviral vector system
- Generate and characterize CAR T cells and assess their functionality in vitro using AML cell lines and primary patient samples
- Investigate CAR T-cell cytotoxicity, activation, differentiation, and proliferation.
- Evaluate potential off-target effects and hematopoietic toxicity using humanized mouse models and healthy human tissue explant models
- Analyze experimental data, document results, and contribute to scientific publications and preclinical safety evaluation
- Collaborate with interdisciplinary research teams within the CARAMeL consortium

Our requirements

- PhD, MD, PharmD, DVM, or an equivalent doctoral degree in immunology, molecular or cell biology, biochemistry, biomedical sciences, or a related field
- Strong experimental research experience and a good publication record
- Solid knowledge of immunology and cell biology, with practical experience in cell culture and functional assays
- Experience in one or more of the following areas is highly desirable: CAR T-cell engineering, viral vector technology, flow cytometry, or preclinical in vivo models
- Strong analytical skills and an independent, structured approach to research
- High motivation, initiative, and the ability to work collaboratively in an international research environment
- Excellent written and spoken English

Our offer

- Contract duration: 2 years fixed-term
- The Institute of Clinical Pharmacology at LMU University Hospital Munich offers an interdisciplinary research environment at the interface of experimental immunology, innovative cell therapies, and translational medicine
- The research group of Prof. Dr. Sebastian Kobold focuses on developing novel cancer immunotherapies, particularly cellular therapies and antibody-based approaches
- This position is part of the CARAMeL consortium, funded by the German Cancer Consortium (DKTK). The project aims to advance an innovative CAR T-cell therapy for patients with relapsed or refractory acute myeloid leukemia (AML). A key objective is to improve therapeutic efficacy while minimizing damage to healthy hematopoietic stem and progenitor cells
- The successful candidate will contribute to translating the CAR technology into a scalable retroviral vector system and investigating the functionality and preclinical safety of the resulting CAR T cells. The work will be conducted in close collaboration with national and international research partners

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)

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Application format

Please use the Online-Form for your application

http://www.lmu-klinikum.de/668093349b76dbea

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