

PhD Candidate in Translational Pancreatitis and Thromboinflammation Research; part time 65% (m/f/d)

Medizinische Klinik II (Gastroenterologie und Hepatologie)

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 Großhadern	DATE OF ENTRY	01.10.2026
WORKING HOURS	Part time	APPLICATION DEADLINE	01.10.2026
INSTITUTION	Medizinische Klinik II (Gastroenterologie und Hepatologie)	REFERENCE NUMBER	2026-K-0329
DEPARTMENT	Doktorarbeit Forschungslabor		

Scope of duties

- Work on the Collaborative Research Centre project (SFB) "Thromboinflammatory mechanisms of pancreatitis progression and associated splanchnic and portal vein thrombosis"
- Investigate cellular and molecular mechanisms that link pancreatic inflammation, coagulation and thrombotic complications
- Study the role of platelet–neutrophil interactions and sphingolipid metabolism in acute and acute-on-chronic pancreatitis
- Plan and perform experimental studies using cellular systems, patient-derived biosamples and established preclinical models of pancreatitis
- Apply modern molecular, biochemical and cell biological methods, including cell culture, flow cytometry, immunofluorescence microscopy, RNA and protein analysis and functional cellular assays
- Contribute to the characterization of inflammatory, thrombotic and metabolic pathways using proteomic, lipidomic or transcriptomic approaches
- Participate in the development and validation of targeted therapeutic strategies, including nanoparticle- and aptamer-based delivery approaches
- Quantitatively analyze, interpret and document experimental and clinical research data
- Collaborate closely with scientists, clinicians and technology platforms within the interdisciplinary Collaborative Research Centre
- Present research findings at internal meetings and national and international scientific conferences and contribute to scientific publications

Our requirements

- A successfully completed university degree, preferably a Master's degree or equivalent, in biology, biochemistry, molecular medicine, biotechnology, pharmacy or a related life-science discipline
- Strong interest in translational research, inflammation, pancreatitis, vascular biology or immunology
- Practical experience in molecular and cell biology, for example mammalian cell culture, flow cytometry, microscopy, immunoblotting, quantitative PCR or functional cellular assays
- Previous experience with primary cells, patient samples, animal models, proteomics, lipidomics, nanoparticles or drug-delivery systems is an advantage, but not mandatory
- Motivation to learn new experimental technologies and quantitative analysis methods
- A careful, structured and reliable approach to experimental work
- Scientific curiosity, high motivation and the ability to work both independently and as part of a team
- Strong communication skills and enthusiasm for working in an interdisciplinary and international research environment
- Very good written and spoken English
- German language skills are not required

Our offer

- An innovative PhD project within an interdisciplinary Collaborative Research Centre at LMU University Hospital
- A translational research environment combining experimental pancreatitis research, vascular biology, immunology and clinical medicine
- The opportunity to work with patient-derived biosamples, established disease models and modern molecular and imaging technologies
- State-of-the-art laboratories and access to advanced flow cytometry, microscopy, proteomics, lipidomics and data-analysis platforms
- Close collaboration with basic scientists, clinician scientists, bioinformaticians and experts in vascular and inflammatory biology
- Integration into a highly collaborative national research network with opportunities for scientific exchange across several disciplines
- Structured scientific supervision and support for professional and personal development
- Opportunities to participate in scientific workshops, training programmes and national and international conferences
- A supportive and inspiring working environment that encourages scientific independence and the development of new ideas
- Employment according to the German public-sector collective agreement, including annual leave and additional benefits in accordance with the applicable regulations
- The position is initially limited to three years. The precise wording regarding a possible extension should be adapted to the SFB funding conditions
- The position is based at LMU University Hospital, Campus Großhadern, in Munich
- 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. PD Dr. Bange, Tanja

 089 4400 76180

Application format

Please use the Online-Form for your application

<http://www.lmu-klinikum.de/cdbb9639d2912713>

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