LMU KLINIKUM

Postdoctoral Researcher in iPSC Models of Neurovascular Diseases (m/f/d)

Institut für Schlaganfall- und Demenzforschung

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 Großhadern	DATE OF ENTRY	01.04.2026
WORKING HOURS	Full time	APPLICATION DEADLINE	31.03.2026
INSTITUTION	Institut für Schlaganfall- und Demenzforschung	REFERENCE NUMBER	2026-K-0025
DEPARTMENT	AG Paquet		

Scope of duties

A postdoctoral researcher position is available in the PaquetLab at the Institute for Stroke and Dementia Research, Munich. Our research focusses on developing human brain tissue models from iPSCs to investigate mechanisms of Alzheimer's disease, Frontotemporal dementia, stroke and related diseases and develop therapeutic approaches. We use cutting-edge molecular and cell biological methods, such as advanced molecular and cell-biological techniques, CRISPR/Cas9, tissue engineering, scRNAseq, proteomics, process automation etc.

We offer an extremely international, well equipped and productive work environment. Funded by an international research organization for a very interdisciplinary and collaborative project we are developing iPSC models of the blood brain barrier and apply those to study neurovascular diseases. Projects focus on CRISPR genome engineering of SVD-relevant mutations, differentiation of iPSCs into neurovascular cells, microfluidic 3D vascular tissue engineering, and identifying disease-relevant alterations. Work is embedded in the highly collaborative and stimulating environment of the PaquetLab, ISD, SyNergy Cluster of Excellence, and our international collaboration network.

See our recent publications in Nature Neuroscience: https://rdcu.be/eUll3 and https://rdcu.be/eUlmz.

Our requirements

We are looking for highly motivated candidates with the following profile:

- A PhD in Neuroscience, molecular biology, cell biology or a related field
- Extensive international scientific working experience in vascular biology or a closely related research field
- Strong track record and demonstration of scientific productivity by one or more first-author publications accepted or in revision at renowned journals
- Experience in molecular biology, biochemistry and/ or omics techniques; cell culture/iPSC experience is a plus
- Excellent English skills in speaking, writing about and presenting scientific data
- Interest in working in a collaborative network of friendly scientist around the world

Our offer

- The position offers an extremely international, well-equipped, and productive work environment.
- You will be integrated into a highly collaborative, stimulating, and internationally competitive research network.
- There is the opportunity to work on innovative projects using cutting-edge methods.
- Excellent career development opportunities are available within a dynamic, interdisciplinary, and highly collaborative research ecosystem spanning LMU Klinikum, LMU, the SyNergy Cluster of Excellence, and international collaborators within our Leducq Network.
- More general information for international applicants can be found at https://www.research-in-germany.org/ and https://t1p.de/ckcdf.
- 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	Job ticket
Company pension scheme	Discounts
Childcare services	Staff accommodation (if available)
Mobile work (if suitable)	

Herr Prof. Dr. Paquet, Dominik

089 4400 46123

Application format

Please use the Online-Form for your application

http://www.lmu-klinikum.de/ccd36f6e1fbebd90

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