

Postdoctoral Position in Vascular Biology (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.

Place of work	Campus Großhadern	Date of entry	Next Possible Date
Working hours	Full time	Application deadline	Swift
Area	Vascular Biology	Reference Number	2022-K-0141

Scope of duties

The project, which will be carried out in the laboratory of Dr. Dichgans (<https://www.isd-research.de/dichgans-lab>), centers on the mechanisms linking mutations in a novel risk gene for atherosclerosis (Nat Genet 2018 and research square) to vascular pathology. Expanding on our analyses in other risk genes (e.g. Circ Res. 2020; Circulation 2019; Circulation 2021), a new mouse line with informative phenotype, and novel experimental paradigms, we aim to develop cell-type specific therapeutic approaches. Techniques include cutting-edge immunological and biochemical techniques, high-resolution mass-spectrometry-based proteomics, scRNAseq, and spatial transcriptomics.

We are searching for an experienced postdoctoral researcher with background in atherosclerosis research/vascular biology. Functioning in a highly collaborative, interdisciplinary team, the postdoctoral researcher will investigate the mechanism driving atherogenesis and progression in our new genetic mouse model with human relevance and in testing therapeutic approaches. You will use a broad range of methods with ample expert support on cutting edge technologies including clearing and light-sheet microscopy, immunology, and electron microscopy. (<https://www.isd-research.de/isd-research> and <https://www.dzne.de/ueber-uns/standorte/muenchen/>).

Our requirements








- We expect advanced knowledge in techniques relevant to vascular biology/atherosclerosis and animal-related work.
- Mandatory vaccination in healthcare: From 16.03.2022, all employees in hospitals will be subject to mandatory vaccination against SARS-CoV-2)

Our offer

- As a board member of the excellence cluster "Munich Cluster for Systems Neurology (SyNergy)" (www.synergy-munich.de), member of a collaborative research center on atherosclerosis (<https://www.sfb1123.med.uni-muenchen.de/about-us/index.html>) and faculty member of the Graduate School of Systemic Neuroscience (www.gsn.uni-muenchen.de) we provide a highly collaborative and inspiring research environment. Our group is located in the brand-new Center for Stroke and Dementia (SCD) Research building with access to cutting-edge technologies in immunology, molecular biology, vascular biology, and neuroscience.
- Remuneration is based on the Collective Agreement for the Public Sector of the Länder (TV-L) including all allowances customary in the public sector.

We look forward to receiving your application consisting of a cover letter, a CV, and two letters of recommendation as a single pdf.

Offers and services of the employer

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|  Further education and training |  Job ticket |
|  Company pension scheme |  Discounts |
|  Childcare services |  Staff accommodation |
|  Mobile work (if suitable) | |

Dr. Dichgans, Martin



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Bewerbungsformat

Please use the Online-Form for your application

<http://www.lmu-klinikum.de/91de51c20ef6a9be>

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