Postdoctoral Position (m/f/d) in biomedical research/immunology at LMU München

Institution: Faculty of Medicine
Biomedical Center (BMC)
Institute of Cardiovascular Physiology
Laboratory of Prof. Dr. Markus Sperandio

Remuneration group: TV-L E13
Full-Time /Part-Time: Full-time (100%)
Start date: Earliest convenience, limited to 2 years with possible extension
Application deadline: 15.07.2024

About us:
LMU Munich is one of Europe's leading research institutions. Scientists from all over the world encounter excellent conditions for their work - in their own research field and in interdisciplinary networks alike.
The Institute of Cardiovascular Physiology is part of the Biomedical Center (BMC) of the LMU Faculty of Medicine. The institute is dedicated to inflammation research from the neonate to the adult. The research group of Professor Dr. Markus Sperandio investigates the function of immune cells during inflammatory diseases focusing on uncovering the molecular mechanisms of immune cell trafficking during inflammation. Recently, we have expanded investigations of this process to the fetus and neonate studying the ontogeny and maturation of neutrophils during early life. Additional interests are how glyco-structures and danger signals influence neutrophils.
The BMC is located on the Martinsried Campus (one of the best scientific locations in Germany) and offers an ideal research infrastructure with close proximity to the LMU University Hospital, the Faculties of Chemistry and Pharmacy and Biology, the DZNE, Helmholtz Center Munich, the Max Planck Institutes for Biochemistry and Biological Intelligence and the Innovation and Start-up Center Biotechnology (IZB). Off campus, Munich is one of the friendliest and liveliest cities in the world and offers a wide range of cultural and leisure activities all year round.

Your tasks and responsibilities
• Investigating the molecular mechanisms of inflammatory immune responses using cutting edge bioimaging tools and respective mouse models (Pruenster et al. Nat Immunol 2023)
• Performing in vitro cell adhesion and recruitment assays with various myeloid cells (Immler et al. PNAS 2024)
• Conducting intravital microscopy experiments to uncover how immune cells traffic during immune responses (Gatsiou et al., Immunity 2023, Immler et al. Cardiovasc Res 2022)
• Working in a highly motivated international team which can't wait to meet and work together with you

Your qualifications
• A PhD degree (or comparable) in pharmacy, biology, biochemistry, medicine or related natural science disciplines
• A keen interest in modern imaging techniques, cell- and molecular biology, and some knowledge in bioinformatics.
• Practical experience in working with mouse models and imaging is desirable. A basic willingness to work experimentally with laboratory animals (preclinical mouse models) is required.
• Very good knowledge of English
• Organizational and team skills, flexibility, curiosity, responsible work ethics and a passion for research
• Interest in working independently on scientific questions
Benefits

- An exciting project in an innovative and perfectly equipped laboratory and scientific environment
- Excellent training and support in a motivated, international team
- Creative working conditions in a high-profile research environment
- A professional career development service within the LMU
- Participation in research consortia (please check out TRR332 and TRR359) and attendance of conferences and in international research events
- LMU Gateway support in all matters relating to the move to Munich [for international candidates]
- Many opportunities to help shape our BMC initiatives (e.g. BMC Green Lab, Public Outreach and BMC working group diversity and inclusion)
- Free parking and good public transportation connections
- Compatibility of family and science (e.g. parent room and kindergarten on campus, school holiday and emergency child care)
- Numerous LMU employee benefits, e.g. discounted fitness and cultural offers, job public transport ticket, Jobbike as well as several canteens and excellent cafés on campus
- Annual special payment, 30 days of vacation and additional pension scheme

We welcome applications from all backgrounds. The promotion of diversity is an important strategic goal at BMC. This is reflected in the BMC Code of Conduct, which actively promotes diversity and equal opportunities. People with disabilities who are equally as qualified as other applicants will receive preferential treatment.

Please submit your application (motivation letter including your CV, certificates and contact details of two references) as a single PDF file to Prof Markus Sperandio (markus.sperandio@lmu.de). All applications will be considered if submitted by July 15, 2024.

For enquiries or further questions please contact:

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