

Master Thesis Project

AG Experimental Vascular Medicine

Topic: The role of the IL-6 signaling pathway on platelet turnover and platelet activation upon acute inflammation (thrombo-inflammation)

We are looking for a highly motivated **master's thesis student**, which has a strong interest in the areas of platelet biology, thrombo-inflammation and/or IL-6 signaling for a master's thesis project. This project will be available starting in **March or April 2024** at the working group of Experimental Vascular Medicine, directed by Prof. Dr. Margitta Elvers in the Institute of Cardiovascular and Endovascular Surgery, Universitätsklinikum Düsseldorf. The master thesis will be in the context of a Deutsche Forschungsgemeinschaft (DFG) Project (Project number 500397648).

Responsibilities

- Experimental work with mice
- Isolation of platelets, protein expression analysis by Western Blot and gene expression analysis by qRT-PCR
- Histological and immunofluorescence stainings of spleen and liver
- Hemostaseological methods: Flow chamber analyses, platelet aggregation analyses
- Cell surface analysis using multi-color flow cytometry

Qualifications

- Background in molecular biology, immunology, or related studies in Life Sciences
- Highly motivated, working efficiently in a team, keen to push the project
- English speaking skills are necessary
- FELASA-B certificate would be advantageous

We offer

- Work within an experienced and international team
- A highly interesting project in the fields of platelet and vascular biology
- Self-dependent preparation and execution of tasks
- Support in writing your thesis
- Possibility to gain experience in animal experiments

If you are interested, send your application (including a short CV and your bachelor's certificates) to SevgiCan.Cengiz-Dartenne@med.uni-duesseldorf.de and Niloofar.salehzadeh@med.uni-duesseldorf.de

Dr. Sevgi Can Cengiz-Dartenne / Niloofar Salehzadeh
Klinik für Gefäß- und Endovaskularchirurgie
Arbeitsgruppe Experimentelle Vaskuläre Medizin
Universitätsklinikum Düsseldorf
Gebäude 12.41, 1. OG, Raum 67
Moorenstr. 5
40225 Düsseldorf