

A **Postdoc position** is immediately available within the framework of the research cluster **FLOW FOR LIFE** ([www.tu-darmstadt.de/flowforlife](http://www.tu-darmstadt.de/flowforlife)). The employment is initially limited to a period of two years.



FLOW FOR LIFE offers a very interactive PhD and Postdoc community with possibilities to work in different labs of our consortium as well as short-term stays abroad. As a Postdoc, you will be supported by an extra budget (Postdoc bonus) for own research initiatives. PhD students and Postdocs will take part in symposia and other activities including contacts to industry partners. FLOW FOR LIFE prepares you both for an academic and an industry career.

The goal of the LOEWE research cluster FLOW FOR LIFE is to develop an artificial network that transports oxygen and nutrients within lab-grown human tissue of a centimeter size scale. Combining engineering with biological principles, and synthetic with biological materials, the project brings together experts and infrastructure from five engineering and natural science departments at the TU Darmstadt.

We are looking for a highly motivated and creative person who enjoys working in an interdisciplinary team and is interested in investigating blood cell interactions with artificial vascular networks. The project will focus on the interaction of blood cells with artificial surfaces, mainly regarding inflammation and coagulation.

The project is a collaboration between Prof. Dr. Ulrike Nuber (Biology Department, TU Darmstadt), Prof. Dr. Veronika Grau, Dr. Katrin Richter (AG Prof. Martin Schneider, Clinic for General and Thoracic Surgery, Laboratory of Experimental Surgery) and Johannes Gehron (AG Prof. Andreas Böning, Clinic for Heart and Vascular Surgery), JLU Gießen, Department of Medicine.

Required qualifications and experience:

A PhD or doctorate in a relevant field (e.g., biology, medicine, biotechnology, molecular medicine, biochemistry).

Very good skills in molecular biology, cell culture, histo- and cytochemistry.

Strong ambition to develop into an independent scientist.

Excellent communication, organizational and interpersonal skills.

Very good English language skills.

The TU Darmstadt is a family-friendly university, intends to increase the number of female faculty members and particularly encourages female candidates to apply. In case of equal qualifications applicants with a degree of disability of at least 50 or equal will be given preference. Wages and salaries are according to the collective agreements on salary scales, which apply to the TU Darmstadt (TV-TU Darmstadt).

Highly motivated and enthusiastic candidates who enjoy working in a team and contribute to a supportive working atmosphere are invited to send an application including CV, certificates, and names of 2-3 reference persons to [mbecker\[at\]bio.tu-darmstadt.de](mailto:mbecker@bio.tu-darmstadt.de).