



## HEIDELBERG FACULTY OF MEDICINE

The **Institute of Physiology and Pathophysiology** is part of the Medical Faculty of Heidelberg University. The scientists of the Institute participate in various national and international collaborative research projects and teach the subject of physiology to about 450 students of medicine and dentistry annually. Research focuses on the physiology and pathophysiology of the cardiovascular, muscular and nervous system.

The Department of Cardiovascular Physiology at the Institute of Physiology and Pathophysiology (Prof. Dr. Markus Hecker) offers the following position, to be filled as soon as possible:

### **Research Associate (Wissenschaftliche/r Mitarbeiter/in) (m/f/d)** with the option to attain a habilitation

The successful candidate will join the team of apl. Prof. Dr. Thomas Korff, head of the working group "Vascular Remodeling". He/she should have a strong interest in remodeling processes in the cardiovascular system, especially in blood vessels (arteries, veins), and should master a wide range of modern animal experimental, microscopic, protein biochemical, cell and molecular biology methods.

After a year of adjustment to the new job, he/she is expected to participate in teaching (physiology for students of human and dental medicine) covering the entire range of the subject, for 4 course hours per week each semester, as well as supervise and train medical and scientific doctoral students. Suitable candidates should be open to cooperation with researchers at the institute and other scientific institutions in Heidelberg as well as with national and international cooperation partners. Initially, his/her project will be integrated into the research activities of the head of the working group (role of hypoxia-sensitive signal transduction pathways in cardiovascular conversion processes). In view of a possible habilitation in the field of physiology, it will be strongly encouraged to develop and pursue a personal research concept that is linked to the department's direction of work, and to apply for one's own research funding.

Prerequisite for a successful application is a qualified scientific or medical doctorate and some previous work in research (postdoc) for 2 years minimum, ideally on a cardiovascular research topic. Academic qualifications should be documented by publications in recognised international journals. Because of the involvement in teaching, a very good knowledge of German is indispensable. Relevant teaching experience is beneficial, but not mandatory. In addition, the intention to pursue a habilitation is desired but not conditional.

The position with an initial salary according to TV-L E13 is initially limited to 2 years, with a possible further extension of up to 5 years. The maximum time limit according to the Academic Fixed-Term Contract Act (WissZeitVG) applies.

**Deadline of application is 15 March 2020.** Please send your complete application documents with a detailed CV, a structured publication list with details on the impact factors, addresses of 2 references, and a concept paper describing personal research projects (no longer than one DIN A4 page), either in paper form or preferably electronically, to

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