



# PhD-/Postdoc-Positions available at the Institute of Experimental Cardiology at Heidelberg University



UNIVERSITÄT  
HEIDELBERG  
ZUKUNFT  
SEIT 1386

## *Cardiac chromatin biology*

### **We offer**

PhD- and Post-doctoral positions available for highly motivated and creative candidates in the lab of Ralf Gilsbach at Heidelberg University (Germany). We offer a competitive salary (TVL-13) based on previous work experiences following the collective agreement applicable to Heidelberg University.

### **Location**

Starting from April 2022 our lab will move to Heidelberg University. We will be located at the Institute of Experimental Cardiology in a new research building together with several cardiovascular basic science groups to form a highly interactive and dynamic research infrastructure, which will provide a perfect environment for your research.

### **Project Description**

The available research projects are at the interface of cardiovascular and computational biology and aim to understand and develop strategies to treat heart disease. You will combine epigenetic (e.g. C&T, ChIP, ATAC), chromatin interaction analysis (HiC) and single cell technology to unravel regulatory mechanisms of heart disease. CRISPR-based functional genomic methods will allow you to prove and steer regulatory mechanisms essential for the development of heart disease. These studies will take advantage of *in vitro* and *in vivo* disease models, including iPS-derived cell models.

### **Qualifications and Requirements**

Candidates with a background in cardiovascular sciences, chromatin biology or computational biology are highly encouraged to apply. We expect an excellent MSc related to one of the mentioned research fields to join as a PhD student. A doctorate in a related field and a publication track record is expected for a Postdoc position.

### **How to apply**

Interested candidates should send their application, consisting of a motivation letter, a CV, and the contact details of two/three previous advisors/mentors, as a single pdf to Prof. Dr. Ralf Gilsbach ([gilsbach@vrc.uni-frankfurt.de](mailto:gilsbach@vrc.uni-frankfurt.de)). The prospective start date is April 2022.

For more information on our work, please refer to:

Gilsbach, R. et al. 2018. Nat Commun. 9:391.

Nothjunge, S. [...] R. Gilsbach. 2017. Nat Commun. 8:1667.

Gilsbach, R. et al. 2014. Nat Commun. 5:5288.



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