



UNIVERSITÄT
HEIDELBERG
ZUKUNFT
SEIT 1386



Our DFG-funded **collaborative research center (CRC 1324)** on ‘**Mechanisms and Functions of Wnt signaling**’ is searching for highly motivated

Doctoral and Postdoctoral researchers (f/m/d)

The CRC 1324 is located at Heidelberg University in partnership with the German Cancer Research Center (DKFZ), the European Molecular Biology Laboratory (EMBL), the Karlsruhe Institute of Technology (KIT) and Göttingen University. Heidelberg University is Germany’s oldest university, and the region is a center for research in the life science and biomedicine. Heidelberg University has been awarded Excellence status as part of the Excellence Strategy of the German federal and state governments.

Wnt signaling pathways play a decisive role in development, cell differentiation, tumorigenesis and many other human diseases. Research within the CRC 1324 focuses on multiple aspects of Wnt signaling, including secretion, trafficking and receptor-ligand interactions and Wnt coupling to downstream and context-dependent signaling in a broad spectrum of model organisms and disease models. PIs in the CRC use structural, developmental, evolutionary, computational and translational approaches to study Wnt signaling.

More information about CRC 1324 projects and PIs can be found at <http://www.sfb1324.de>

Open doctoral positions

- Prof. Irmgard Sinning (Heidelberg University, Biochemistry Center): Mechanisms of Wnt protein secretion
- Prof. Hellmut Augustin (Heidelberg University and the German Cancer Research Center): Mechanisms of vascular Wnt signaling during liver homeostasis and tumorigenesis
- Prof. Britta Brügger (Heidelberg University, Biochemistry Center): Roles of lipids in Wnt secretion and signaling
- Prof. G. Ulrich Nienhaus (Karlsruhe Institute of Technology): Quantitative fluorescence microscopy for the analysis of Wnt pathway interactions and dynamics
- Dr. Gary Davidson (Karlsruhe Institute of Technology): Quantitative fluorescence microscopy for the analysis of Wnt pathway interactions and dynamics
- Prof. Florian Leuschner (University Hospital Heidelberg): Cell-specific activation of Wnt signaling in healing after myocardial infarction
- Prof. Christof Niehrs (German Cancer Research Center, Heidelberg): Role of DDX56 in GSK3 β regulation during Wnt signaling
- Prof. Matias Simons (University Hospital Heidelberg): Wnt-cilia signaling in epithelial polarization and renal development

Heidelberg University
CRC 1324 Mechanisms and functions of Wnt signaling
Dr. Dominique Kranz
Management Office
Im Neuenheimer Feld 230
D-69120 Heidelberg

Open postdoctoral positions

- Prof. Gislene Pereira (Heidelberg University, Centre for Organismal Studies): Wnt-cilia signaling in epithelial polarization and renal development
- Prof. Thomas Holstein (Heidelberg University, Centre for Organismal Studies): Wnt interactions in Hydra development and regeneration

Requirements:

- MSc/PhD in biology, biochemistry, molecular biology, cell biology or related disciplines with strong interest in Wnt signaling
- Excellent team-working and interpersonal skills
- Very good oral and written English communication skills

How to apply:

Please send your application until **October 31, 2021** as a single PDF to the CRC 1324 office: sfb1324@uni-heidelberg.de. Please indicate in your cover letter for which project you want to apply, multiple project preferences are possible. The application should include a cover letter, CV, summary of previous projects and contact information of two references. Please note that application deadlines, employer and place of employment depend on to the assigned projects. In case of any questions regarding the application, please contact the CRC 1324 office.