

The Stem Cell Unit at the Heart Center, University Medical Center Göttingen, is seeking a

# Postdoctoral Researcher in Stem Cell Research

initially for 2 years, extension possible, full-time | salary according to TV-L

## About us

The University Medical Center Göttingen is a tertiary care center and offers great development potential. Its 7,400 employees work in over 65 departments and facilities to provide top-quality patient care, excellent research and modern teaching. Göttingen, "City of Science", located near the center of Germany, the University Medical Center Göttingen is embedded in the city's attractive network of scientific research facilities.

The Stem Cell Unit focuses on the generation of patient-specific induced pluripotent stem cells (iPSCs) and their applications in genome editing, cardiac differentiation, tissue engineering and disease modelling. By combining iPSC technology with CRISPR/Cas9 genome editing and further state-of-the-art approaches, we aim to deeply investigate the development, function and pathophysiology of cardiomyocytes on molecular, omics-based as well as on functional and pharmacological level in order to identify novel pathophysiological mechanisms in cardiomyopathy/heart failure and to develop preventive and/or curative therapies.

The key responsibilities of the offered position include designing, planning and executing experiments independently in a specific research project, supporting our team in service-based projects for our collaboration partners as well as establishing and optimizing workflows and assays for CRISPR and target validation activities and automatization processes for cell culture, drug screening and biobanking.

We are looking for a highly motivated candidate with substantial background in stem cell biology, genome editing and cardiovascular medicine as well as experiences in human iPSC culture, CRISPR/Cas9 technology and general molecular biology. The successful candidate is expected to hold an outstanding PhD in disciplines or fields related to biology, pharmacology or biochemistry and should have a strong interest in stem cell research and genome editing to address interdisciplinary questions in the regenerative medicine. Fluent English in spoken and written is required, German knowledge is not a prerequisite but an advantage for the position. Interested applicants should submit a personal motivation letter, the PhD certificate, an abstract of the PhD thesis, curriculum vitae, and at least two support letters or the name of three references.

We offer an exciting and biomedically relevant research project where your contribution can have a real impact. Further we provide a creative and stimulating scientific environment with access to a broad spectrum of high-end technology and opportunities for extensive interdisciplinary collaborations.

Men are especially encouraged to apply. Applicants with disabilities and equal qualifications will be given preferential treatment.

We look forward to receiving your application by September 29th, 2017:

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Travel and application fees cannot be refunded or transferred.

Please send your application only via e-mail as a PDF-file.