

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

## PhD candidate

for the project "Exploring novel disease-causing mutations in hypertrophic cardiomyopathy via genome-edited iPSCs"

limited for 3 years , part-time, 65% | 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 hypertrophic cardiomyopathy and to develop preventive and/or curative therapies.

We are looking for a highly motivated PhD candidate with substantial background in stem cell biology and cardiovascular medicine and experiences in general

molecular biology, mammalian cell culture and CRISPR/Cas9 technology. The successful candidate is expected to hold a Diploma or a Master's degree in disciplines or fields related to biology, pharmacology or biochemistry and a strong interest in stem cell research 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 BSc and MSc certificate (or equivalent) including transcript of records and curriculum vitae, and at least two support letters or the name of three references.

We offer an exciting and biomedically relevant research project, 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 15th, 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.