The International Research Training Group 1816

"Phosphorylation- and redox-mediated signaling mechanisms in the failing heart"

currently offers a

PhD position
(TV-L E13 65%)

for the project:

"Remodeling of human atrial cardiomyocytes in response to in-vitro tachypacing"

supervised by Prof. Dr. Niels Voigt (Department of Pharmacology, Göttingen, Germany) and co-supervised by Prof. Dr. Metin Avkiran (King's College London, UK).

The project aims to investigate molecular mechanisms, which contribute to the maintenance and perpetuation of cardiac arrhythmias for example atrial fibrillation. State of the art electrophysiological techniques (Patch-Clamp) will be combined with modern imaging techniques (epifluorescence, FRET, confocal microscopy, STED) to study effects of disturbances in intracellular signaling molecules on cellular electrophysiology.

Students will conduct part of their projects in the partnering laboratory in London with the possibility to obtain a joint doctoral degree from University Göttingen and the King's College in London.

Applicants should hold a diploma or Master's degree or a graduation from Medical school. If you are interested, please send your application as a single pdf file to niels.voigt@med.uni-goettingen.de by October 15, 2016. In addition to standard documents the application should contain a motivation letter. Please name two referees.

The IRTG1816 is funded by the German Research Foundation (DFG) and is organized by the Heart Center, Universitätsmedizin Göttingen together with the British Heart Foundation Centre of Research Excellence, King`s College London. The Training Group offers an excellent research environment, a comprehensive curriculum and a broad supervision and mentoring network. Further information on the graduate program and the research project (project no. 11) can be found on our website: www.grk1816.med.uni-goettingen.de.