

The working group „Vegetative Optogenetik“ is looking for following new members at the next possible time point:

PhD student (f/m/d) and PhD/PostDoc (f/m/d)

1x PhD student position (65%), 1x PhD position (100%)

initially limited to 3 and 2 years with the option of an extension, full time (38,5 h / week) | salary according to TV-L

About us

The University Medical Center Göttingen is a tertiary care center and offers great development potential. Its 7,900 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.

About us:

We are a team of biologists, physicists and physicians establishing new optogenetic approaches with the aim to use them for specific scientific questions in muscle physiology and to develop new translational approaches. Optogenetics is a recently developed method allowing to control cellular behaviour with light after genetic manipulation. Thereby, optogenetic stimulation provides an unprecedented combination of cell-specificity and spatial as well as temporal precision and is a u-

nique opportunity to investigate and understand the physiology and pathophysiology of muscle cells, their function within intact organs and how they are communicating among each other.

Your tasks:

You will be responsible for your project dealing with 1) atrial pathophysiology, 2) to develop new optogenetic applications or 3) to characterize the immunological response against optogenetic treatments. Methods include gene transfers, cloning, cell culture, Langendorff hearts, culture of heart slices, electrophysiology, Calcium imaging, Patch clamp and FACS in primary and hiPSC derived cardiomyocytes, mice and pigs.

Your profil:

- highly motivated and interested researcher
- team-orientated and cooperative
- Master in Life Sciences/Physics/Chemistry or completed PhD/MD

Our offer:

- structured PhD programs (GAUSS, IRTG1826, Hertha-Sponer-Colleg)
- competitive and collaborative research environment (CRC1002, MBExC cluster of excellence, DZHK partner site, DFG funding)
- state-of-the-art methods focused on optogenetics and muscle physiology with access to all core facilities and cutting edge techniques at the Göttingen Campus


Your application should include a full curriculum vitae, a statement addressing your motivation and ability to work within a close network of different research groups and provide the names and contact details of at least two referees.

We look forward to you!


The University Medical Center Göttingen is committed to professional equality. We therefore seek to increase

the proportion of under-represented genders. Applicants with disabilities and equal qualifications will be given preferential treatment.

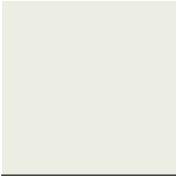
We look forward to receiving your application by December 31st, 2021:



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



Travel and application fees cannot be refunded or transferred.
