At the Buchmann Institute for Molecular Life Sciences (Goethe University, Frankfurt), a PhD student position (E13 TV-G-U, 65%), in a project to produce optogenetic tools for the control of intracellular Ca\textsuperscript{2+} release and muscular arrhythmias of the CPVT type, is vacant. The position is offered for an initial 3 years, as part of the DFG priority programme SPP1926 "Next Generation Optogenetics - Tools and Application" (see: http://www.spp1926.de/). The group of Prof. Gottschalk studies neuro- and molecular biology in the animal model Caenorhabditis elegans. The project models cardiac arrhythmias in the pharynx of the nematode (Schüler et al., 2015, Scientific reports, 5: 14427). In addition to molecular biology and biochemistry methods, behavioral analysis (video microscopy), in vivo Ca\textsuperscript{2+} imaging, and optogenetic manipulation are used, to generate new optogenetic tools, in collaboration with other groups in the SPP1926.

Required is a MSc in cellular and molecular neuroscience, physiology, biochemistry or molecular biology. The candidate has an enthusiasm for basic research, solid theoretical and, ideally, practical experience in cellular (neuro-)physiology, Ca\textsuperscript{2+} imaging, biochemistry and programming (Matlab etc.). Experience in working with invertebrates, ideally C. elegans, is beneficial. See also website of the Gottschalk lab: http://www.biochem.uni-frankfurt.de/index.php?id=8.

Applications with exams, CV, summary of MSc thesis, statement of research interest, and 2 or more reference addresses should be sent (in electronic form) until 23.10.2016 to A. Gottschalk (a.gottschalk@em.uni-frankfurt.de), Goethe University, Buchmann Institute for Molecular Life Sciences, Max-von-Laue-Straße 15, 60438 Frankfurt, Germany.