UNIVERSITÄTSMEDIZIN GÖTTINGEN UMG

PhD position
in
Optogenetics in the Retina / Computational Neuroscience

A PhD position is available in the lab of Tim Gollisch at the University Medical Center Göttingen, Germany. The PhD project will investigate how optogenetics can be used for vision restoration therapy to treat blindness. The work will involve multielectrode arrays to record spiking activity from isolated retinas of mice that express light-sensitive ion channels in retinal neurons. Furthermore, computational tools will be used for model-driven data analysis and assessment of neural coding under optogenetic stimulation. Prior experience with electrophysiology or computational analyses/computer programming will be considered advantageous for the application. The position will be available starting April 1, 2025, at the earliest.

The project is part of the newly funded Collaborative Research Center "Disease Mechanisms and Functional Restoration of Sensory and Motor Systems" in Göttingen and will be embedded in a lively research environment focusing on bringing basic research closer to clinical applications. There will also be connections to the newly established Else Kröner Fresenius Center for Optogenetic Therapies (https://ekfz.uni-goettingen.de) in Göttingen as well as to the Bernstein Center for Computational Neuroscience Göttingen.

To get a better idea about the research group, see https://www.retina.uni-goettingen.de/. To apply, send an email to Tim Gollisch (tim.gollisch@med.uni-goettingen.de), including your CV, a statement of motivation, and contact details for two letters of recommendation.

The University Medical Center Göttingen is an equal opportunities employer, and women are especially encouraged to apply. Applicants with disabilities and equal qualifications will be given preferential treatment.