The Goethe University in Frankfurt am Main is with about 46000 students and more than 4600 employees the largest university in the state Hessen in Germany and internationally well known.

The group of **Prof. Marcel Schulz** is looking to fill the position of a

PhD Student
(E13 TV-G-U, 65%)

to start as early as possible at the **Computational Epigenomics & Systems Cardiology group at the Institute for Cardiovascular Regeneration**, **Center for Molecular Medicine, Frankfurt (https://schulzlab.github.io).**

Exact payment is based on previous research experience according to the work laws of Goethe University.

Tasks:

- The Phd position is part of a larger project about the analysis of high-dimensional data to understand gene regulation in heart diseases. It involves the application of machine learning approaches to predict different aspects of gene regulation from diverse transcriptomics and epigenomics data sets or the modelling of heterogeneity in single cell data.

Requirements:

- Masters degree in Bioinformatics, Machine Learning, Computer Science or a related discipline
- good programming skills
- experience in the application of machine learning methods
- experience in the analysis of sequencing data is a plus
- we are working in an interdisciplinary team and are looking for people with good organizational and communication skills, as well as high creativity to address novel research problems
- good knowledge of the English language

Please send your application with CV and two names of references **latest until 15.06.2019** (preferably by email) to:
Prof. Marcel Schulz, Institut für Kardiovaskuläre Regeneration, Zentrum für Molekulare Medizin, Goethe-Universität Frankfurt, Theodor-Stern-Kai 7, 60590 Frankfurt am Main, **E-Mail:** **marcel.schulz@em.uni-frankfurt.de**

Please do not send original documents by mail, because there will be no return of such documents. All electronic documents should be combined **into one pdf document**. Travel and application costs are not being reimbursed.

Goethe University is comitted to increase the amount of female researchers and we encourage their application. Applicants with a disability and equal qualifications will be favoured.