



The '**Gene Editing Group**' of the Institute of Biochemistry II, Gustav Embden Center of Biochemistry, Department of Medicine of the Goethe-University, is looking for a

Research Associate (PostDoc)

in

Functional Genomics in Cancer Biology.

The position is to be filled immediately and initially temporary for 2 years.

Activities and responsibilities - Based on our 3Cs technology (PMID: 30838976, 33654707), we apply single and combinatorial CRISPR libraries to reveal genetic interactions in genome stability and tumorigenesis. However, inferring gene function from large-scale paired gene perturbations requires innovative computational approaches. That's why we seek you!

We seek – You are an ambitious and highly motivated team member with a strong interest in the synergy between applied and computational biology to develop innovative computational tools to identify and understand functional relationships between genes. You are about to finish your PhD in genomics, bioinformatics, biostatistics, informatics, applied mathematics, data science, or a similar area and have excellent programming skills in Python, R, Java, or similar languages. You have a strong interest in academic research, the ability to think analytically, and a team-oriented personality with good communication skills. Prior experience with NGS data handling, biological network analyses, and machine learning applications is advantageous but not strictly required. Very good written and spoken English is expected.

We offer – A highly creative and dedicated team with the spirit to make a change and move the boundaries of science. A team of experienced PIs to tailor your needs of supervision in data science, bioinformatics, and gene perturbation. A versatile workplace in a university research institute that consists of 11 working groups, spread across 3 locations of the Goethe University, tariff-compliant remuneration according to German TV-G-U, and the possibility of using the regional LandesTicket (train ticket) for employees of the state of Hessen.

The university advocates equal rights for women and men and therefore urges women to apply. Handicapped candidates are given preferential treatment with equal personal and professional qualifications.

Please send your application documents, which include your CV and university certificates to Manuel Kaulich, Institute of Biochemistry II, Department of Medicine, University Hospital of Goethe University, House 75, Theodor-Stern-Kai 7, 60590 Frankfurt am Main. Please send electronic applications in a single PDF file to [kaulich\(at\)em.uni-frankfurt.de](mailto:kaulich(at)em.uni-frankfurt.de).

Travel and application costs cannot be reimbursed. Please do not send any original documents as the application documents will not be returned.