

1 PostDoc position (f/m/d) - 100%

for an initial period of 1 year (with an option for an extension of another 2 years) starting immediately.

RNA structures in the genomes of RNA viruses are essential for viral replication and thus potent drug targets. The goal of the "RNA-drugs" project is to develop novel small molecule inhibitors against regulatory RNA elements in the genome of SARS-CoV-2.

The project is funded by the Federal Agency for Disruptive Innovation. It involves RNA structural analysis using SHAPE-seq, ligand screening in S1 cell culture, and binding studies. Active collaboration with structural biology and pharmaceutical/medical groups is expected.

We offer:

As part of a dynamic team of multidisciplinary scientists, the successful applicant will work in an exciting and interactive research environment using modern technologies in molecular biology and biochemistry. In addition to "RNA-drugs", the work is embedded into the international consortium "COVID19-NMR" and the SFB 902 "Molecular Mechanisms of RNA-based Regulation". These associations ensure an excellent collaborative and interdisciplinary environment for research, as well as the opportunity for a broad training in scientific and other key skills.

We expect:

Requirements for employment include a completed degree (Master of science or comparable) and doctorate in the life sciences or related natural sciences with excellent grades. You have practical experience in the field of biochemistry and/or molecular biology and a keen interest in experimental research. Previous experience in structural analysis of RNAs and/or analysis of high-throughput sequencing data is an advantage. We expect highly motivated associates who enjoy working in a team. Excellent English language skills are required.

Please send your application including the usual documents, the abstract of your dissertation, and the contact details of your PhD supervisor electronically (as one pdf) to julia.weigand@tu-darmstadt.de.