

We are offering a Bachelor's/Master's thesis position (m/f/d)

The Center for Structural Systems Biology (CSSB) at DESY (Hamburg Bahrenfeld) is a joint initiative of ten research partners from Northern Germany, including three universities and seven research institutes with the mission to use cutting edge technologies and methods to investigate how pathogens infect humans.

The group of Prof. Dr. Michael Kolbe (Universität Hamburg & Helmholtz-Zentrum für Infektionsforschung) is searching for a highly motivated student, interested to work in a project related to the COVID-19 pandemic.

In this project, using a high-throughput screening approach, we are screening compound libraries of approved drugs for the discovery of potent inhibitors for enzymes involved in the coronavirus replication-transcription complex. The binding mode of the identified inhibitors is determined using X-ray crystallography.

The successful candidate will join an international and interdisciplinary team at CSSB Hamburg and gain substantial experience in methods related to Molecular and Structural biology.

Your tasks:

- Protein expression
- Protein purification - Sample characterization
- Crystallization of APO proteins and co-crystallization of protein – inhibitors complexes

Your profile:

- Familiar with cloning, protein expression and purification techniques
- Structured and independent working style
- Good written and spoken English skills. Knowledge of German is an advantage
- Motivated to work in a competitive field of research and broaden your scientific horizons

Please send a short cover letter, your CV and transcript of records to:

office-stib@helmholtz-hzi.de