

PhD or Postdoc Position in Protein Biochemistry / Biophysics (f/m/x): Structural mechanism of enzymes in the nucleus

Dresden, February 2022

The topic:

In our laboratory, we investigate mechanisms and functions of enzymes that work on chromatin. We combine protein biochemistry, biophysics, structural approaches, mass spectrometry, genomic and genetic techniques. In this project, we will investigate the mechanism of ATP-dependent nucleosome remodeling factors. These are enzymes that move nucleosomes along DNA, and thereby allow or prevent access to DNA. These enzymes also take part in phase separation of chromatin. We will use in-vitro fluorescence techniques, cryo-EM and cutting-edge mass spectrometry. Besides research, the position offers teaching opportunities.

The group is located at the biomedical campus of the Technical University Dresden, which belongs to one (of eleven) Elite Universities in Germany. It offers an excellent infrastructure, and a highly international, vibrant and collaborative research community.

Who you are:

If you apply to the Postdoc position:

- You have gained strong experience in protein biochemistry, have purified proteins and carried out enzyme assays
- You have expertise in fluorescence spectroscopy or other biophysical and structural techniques
- You are a great team worker
- You can work independently and diligently and enjoy making discoveries
- You have a good command of the German language and can communicate your science effectively in English
- You have first-hand experience in writing peer-reviewed papers
- You are motivated to apply for a postdoctoral fellowship with support by the PI

If you apply to the PhD student position:

- You have gained experience in in-vitro protein biochemistry or related fields
- You can work diligently and enjoy going on a wild ride of discoveries during your PhD
- You are a great team worker
- You have a good command of the German language and can communicate your science effectively in English
- You are motivated to apply for a predoctoral fellowship with support by the PI

How to apply:

Please describe in your cover letter your motivation to join the project, your proficiency in German and English, and provide names, emails and telephone numbers of at least two references.

PhD applicants are kindly asked to apply via our graduate school (<https://www.digs-bb.de/research/research-groups/felix-mueller-planitz>). Postdoc applicants should send their application via Email to Prof. Felix Mueller-Planitz (felix.mueller-planitz@tu-dresden.de) with reference number "MPLab Postdoc 22". Applications of all genders are appreciated. Disabled persons with equal qualification will be preferred. The initial deadline is February 28th 2022 but the call remains open until filled. We look forward to receiving your application!