



Faculty of Biology, Microbiology Department at Freiburg University is offering a

PostDoc. position (100%, E13 TV-L; m/w/d) on Dynamics of the assembly, disassembly and molecular organization of the PII signaling machinery

Our research is focusing on signalling proteins of PII superfamily, which are known to sense and decode the metabolic state of the cell and transduce this information by binding to various targets resulting in formation of different regulatory complexes. The PostDoc. researcher will investigate the molecular mechanisms governing the assembly/disassembly dynamics of PII-complexome machinery in response to the metabolic status of the cell, using state-of-the-art techniques of structural biology & protein biochemistry.

For some relevant publications from our laboratory, see [PNAS 2023](#); [Trends Microbiol 2022](#); [Nature Communication 2022](#); [Science 2021](#); [FEMS Microbiol Rev. 2020](#); [PNAS 2018](#)

The position will be in the group of [J.Prof. Dr. Khaled Selim](#), and is available immediately (with flexibility of starting date upon negotiation) and funded for 4 years (with possibility of extension for another 4 years upon positive evaluation of the project) within the DFG-funded SFB1381 "[Dynamic organization of cellular protein machineries](#)" (Twitter: [@sfb1381](#)).

The ideal candidate will have an excellent doctor degree in structural biology or biochemistry, with a **strong background in single particle cryo-EM**. High motivation, dedication to research, experimental creativity, cooperative and self-organized working is expected. Proficiency in written and spoken English is required.

The research project will be performed in close cooperation with Max-Planck Institute of Biology. **We offer a PostDoc. position (100%)** in an international team and excellent equipped laboratory at the University of Freiburg. Freiburg University is one of the most prestigious-elite Universities in Germany and is providing a first-class research environment with a unique opportunity to conduct this research, by highly interactive groups with state-of-the-art methodological equipment. Freiburg is known by its wonderful weather and location between the Black-Forest in Germany, Basel in Switzerland, and Strasbourg in France. The Alb mountains are located about 15 km south of the city and to the north lies a densely wooded nature park.

Appointments will be made purely on the basis of qualifications and avoiding any differentiation within the meaning of the Equal Treatment Act. The University of Freiburg seeks to increase the number of women in Science and therefore encourages qualified female to apply.

Interested candidates should send **their application** including a statement of interest (max. 1 page), CV with 2-reference emails and including publication list, scanned copy of PhD degree, a short summary of the PhD thesis (1-2 pages max.) as a single PDF document to khaled.selim@tuebingen.mpg.de referencing the keyword "PII-Machinery – PostDoc. position". Please note, that only complete applications will be considered.

Application deadline: 15th June or as early as possible until the position is fulfilled

Contact:

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