



# Selim Lab (@Selim\_Khaled\_)

## Bacterial cell signaling

We are hiring on all levels.... **JOIN US!**

We are looking for motivated **M.Sc., PhD students and postdocs**, who are interested in understanding the dynamic assembly of bacterial protein machineries on molecular and structural levels.

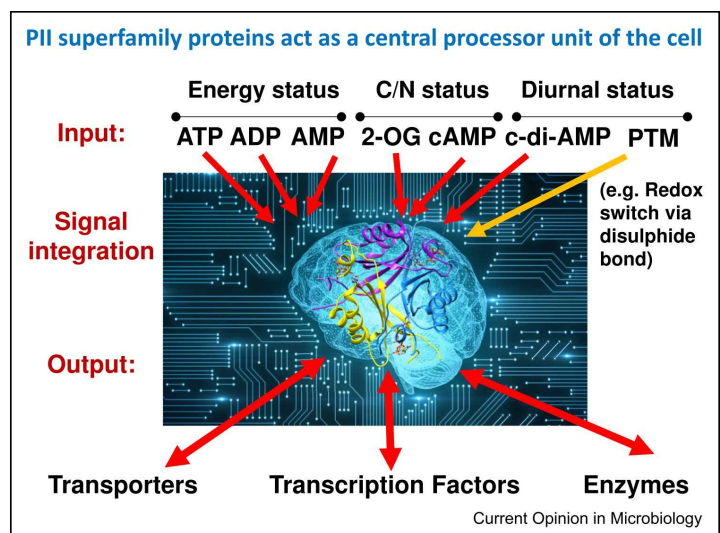
For all applications, please send your CV (including publications list, relevant certificates and email contacts of 2-references) and a motivation letter (explaining your experience in structural biology) as a single PDF to [Khaled.selim@biologie.uni-freiburg.de](mailto:Khaled.selim@biologie.uni-freiburg.de)

**Application deadline: 15<sup>th</sup> October or as early as possible until the position is fulfilled**

**The positions** are available immediately and funded for at least 3 years by DFG and Ministry of Education and research. **The ideal candidates** will have a degree or training in structural biology & biochemistry, with a **strong background in single particle cryo-EM or protein X-ray crystallography**.

Our research is focusing on signaling 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 cellular targets resulting in formation of different regulatory complexes. The researchers, who will associated with this project, will investigate the molecular mechanisms governing the assembly 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](#)



**We offer** an international team and excellent laboratory in one of the most prestigious-elite Universities in Germany. Our university 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. Appointments will be made purely on the basis of qualifications and avoiding any differentiation within the meaning of the Equal Treatment Act. Our university seeks to increase the number of women in science and therefore highly encourages qualified female to apply.