

The University of Freiburg offers an excellent research environment for doctoral students interested in the field of Protein Structure and Function. We study protein structure and function in vitro as well as in a variety of model systems including E. coli, yeast, and mammalian cells. Methods cover the complete biochemistry tool set and extend to biophysical, cell biological, pharmacological, and genetic approaches.

We participate in the Collaborative Research Center [Functional specificity by coupling and modification of proteins SFB 746](#)

Major Research Areas:

- biogenesis, structure, and function of membrane proteins
- molecular mechanisms of enzymes, therapeutically important enzyme inhibitors, and combinatorial biosynthesis of enzymes with novel functions
- intracellular protein transport, protein translocases of the mitochondrial membranes, translocation systems in prokaryotes
- function of chaperones in various essential processes including de novo protein folding, protein degradation, and transport across cellular membranes

To find information on the principal investigators in this area please click [here](#)