



The University of Lübeck stands for excellent research and teaching. We are a modern foundation university with thematically focused study courses. Under the motto "Focus on life", as a life science university we offer a spectrum of programmes ranging from medicine, health sciences and psychology to mathematics, computer science, natural sciences and technology.

The Institute of Biochemistry (Director: Univ.-Prof. Dr. Thomas Krey) at the University of Lübeck has an opening in the Krey lab for a position as

PhD student (m/w/d)

This is a part-time position with 65% of the regular weekly hours (currently 25,16 hours per week), allows further academic qualification and is limited for 3 years.

Our group is interested in the study of viruses that constitute a global public health and/or veterinary concern and uses mostly structural biology/biophysical techniques with a special focus on X-ray crystallography and more recently also cryo electron microscopy. The structural knowledge gained from our experiments can be used for structure-based design of antivirals and/or vaccines, i.e., has a direct translational potential.

The collaborative project of interest aims at the structural characterization of the complement control protein of KSHV, a γ -herpesviral protein that plays a key role for the control of the complement system.

Main areas of activity:

- Characterization of the complement control protein of Kaposi's sarcoma-associated herpesvirus.
- Protein expression in pro- and eukaryotic systems
- Biochemical, structural and immunological protein characterization & protein biochemistry
- X-ray crystallography and/or electron microscopy
- Presentation of research results, both oral and written

Requirements:

- Completed master's degree in natural sciences, preferably biochemistry, life sciences, chemistry or biology.
- Practical and theoretical knowledge in protein biochemistry / Interest in structural virology
- Ability and enjoyment of both independent and interdisciplinary work in an international team
- Interest in participating in international conferences and presenting own results at these conferences
- Creativity and enthusiasm in the search for innovative solutions
- Experience in protein purification and/or structural biology techniques (preferably X-ray crystallography) are desirable.

The position will be graded according to the automatic pay scale up to pay group E 13 TV-L if the requirements of the collective agreement are met. A final job evaluation remains reserved.

The University of Lübeck sees itself as a modern and cosmopolitan employer. We welcome your application regardless of your age, gender, cultural and social origin, religion, ideology, disability or sexual identity. We promote gender equality. Women will be given priority in cases of equal suitability, ability and professional performance. Applicants with severe disabilities or persons of equal status will be given preferential consideration if they are suitable.



UNIVERSITÄT ZU LÜBECK

Please contact Prof. Dr. Thomas Krey (krey@biochemie.uni-luebeck.de) for any further questions.

Please send your written application with the usual documents (cover letter with research interests, curriculum vitae, references) summarised **in a single PDF document** by 31.10.2022 (**date of receipt**) at the latest to bewerbung@uni-luebeck.de, quoting the reference number **1083/22**.

**Universität zu Lübeck – Die Präsidentin – Referat Personal
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