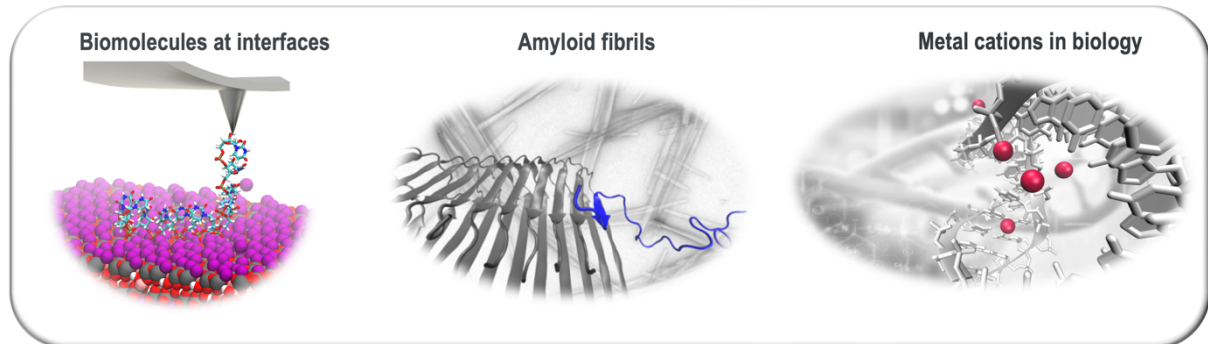


**Open PhD Position in Computational Biophysics**  
University of Augsburg, Dept. of Physics  
75% TV-L E13



Research in the group of Prof. Schwierz addresses the description of biological systems with computer simulations. The research aims to resolve essential biological processes at the molecular level and to unravel the underlying physical principles. Examples include the folding and function of RNA, the role of metal ions in biological systems or the formation of amyloid fibrils.

**Area of responsibility**

- MD and coarse-grained simulations of biological systems
- Application of enhanced sampling techniques and methods of machine learning
- Comparison of simulation results with experiments
- Teaching exercises in Physics/Biophysics

**What we offer**

- Excellent and interdisciplinary research activities in biomolecular simulations
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**Job requirements**

- Graduation in Physics, Biophysics of Biochemistry
- Expertise in: Computer simulations, MD and coarse-grained simulations, programming
- Very good language knowledge in German and/or English

Please send your application including CV, cover letter, and the name of one referees in electronic form to [Nadine.Schwierz@physik.uni-augsburg.de](mailto:Nadine.Schwierz@physik.uni-augsburg.de).