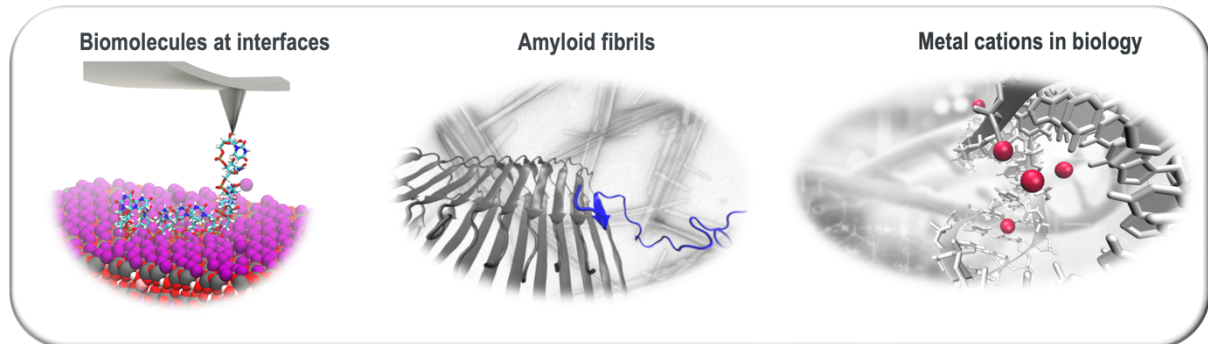


## Open Postdoc Position in Computational Biophysics

University of Augsburg, Dept. of Physics

100% TV-L E13, habilitation possibility



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, QM/MM and coarse-grained simulations of biological systems
- Development of enhanced sampling techniques and method of machine learning
- Force field development
- Management of research project and supervision of PhD/Master students
- Coordination of research and computing time proposals
- Teaching courses in Physics/Biophysics

### What we offer

- Excellent and interdisciplinary research activities in biomolecular simulations
- Possibility to develop an independent research profile and to write a habilitation
- Close collaborations with experimental groups
- Outstanding, collaborative, and integrated environment of the greater Munich area
- Access to state-of-the-art supercomputing facilities

### Job requirements

- Graduation in Physics, Biophysics or Biochemistry
- PhD in computational/theoretical Biophysics/Biochemistry
- Expertise in: MD, QM/MM and coarse-grained simulations, enhanced sampling techniques, machine learning, high performance computing
- Commitment to teaching
- Excellent language knowledge in German and/or English

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