

**Junior Research Group Leader / Research Associate Position:  
Ab Initio Biomolecular Simulation**

Center for Theoretical Chemistry, University of Bochum, Germany

Applications are invited for a research associate position which is available immediately or upon mutual agreement. Depending on the applicant there will be the opportunity for establishing a Junior Research Group and for academic qualification in the framework of Habilitation.

The ideal candidate should have significant experience in electronic calculations of complex biomolecular systems and reactions, including preferentially multiscale QM/MM-type approaches. A PhD in theoretical physics or chemistry is required, as well as research experience as a post-doc. She or he will be involved in a number of challenging projects in the realms of ab initio biomolecular simulation (see e.g. some of our recent papers: JACS Commun. **130**, (2008) 2768; PNAS **104** (2007) 20725; PNAS **104** (2007) 6980; JACS **128** (2006) 13815).

Information on the techniques used and developed at CTC are accessible via [www.theochem.rub.de/go/cprev.html](http://www.theochem.rub.de/go/cprev.html). The Center for Theoretical Chemistry at RUB offers an exciting interdisciplinary research environment and excellent facilities including several high-performance parallel platforms in house, see [www.theochem.rub.de/go/jobs.html](http://www.theochem.rub.de/go/jobs.html).

Candidates should send a detailed resume including an outline of their research achievements and interests as well as contact information to obtain academic references to:

Professor Dominik Marx  
Lehrstuhl fuer Theoretische Chemie  
Ruhr-Universitaet Bochum  
44780 Bochum, Germany  
Email: [theochem@theochem.rub.de](mailto:theochem@theochem.rub.de)

There is no deadline. Consideration of candidates will begin immediately and continue until the position is filled. The University particularly welcomes applications from women.