



Postdoctoral Position in Molecular Dynamics

A postdoctoral position in Molecular Dynamics is available at the Institute of Physical Chemistry, Christian-Albrechts-University of Kiel, Germany. The position is part of the strategic initiative "**Ocean & Atmosphere - From Molecular Modeling to Process Understanding**" within the cluster of excellence "The Future Ocean" (<http://www.futureocean.org/>). This initiative seeks to better link existing expertise in environmental analytics and lab-based experimentation with process modeling approaches. A molecular-level understanding, promoted by molecular dynamics studies of selected test systems, will help to identify and constrain key processes that are relevant for (reactive) air-sea gas exchange, transfer of organics to aerosols, interfacial ion effects, and other ocean surface related processes.

The postdoc position at the **Institute of Physical Chemistry** (<http://www.phc.uni-kiel.de/de>) shall advance the "Future Ocean" cluster expertise in applied **molecular dynamics** techniques. Model systems will be selected in close collaboration with scientists from diverse disciplines, thus strengthening multidisciplinary research within the marine-oriented research program. In addition to work on scientific problems, the holder of the postdoc position will be responsible for promoting the above-mentioned strategic initiative to become part of a future research agenda.

The successful candidate with good communication skills should hold a PhD in Physical Chemistry, Theoretical Chemistry, Theoretical Molecular Physics, or a related field with a solid background in state-of-the-art force-field-based large-scale molecular dynamics techniques and their practical applications, including familiarity with at least one of the leading MD program packages (e.g. NAMD, gromacs, amber, etc.). Research experience in the modeling of structures, dynamics, or reactivities of interfacial systems is desirable.

The position is available immediately and will be awarded until 31st October 2017. The salary for the position is based on the German federal public service scale (E13 TV-L, see <http://oeffentlicherdienst.info/tv-l/west/>) with regular weekly working hours of a full time position (currently 38.42 hours).

The University of Kiel aims to increase the proportion of women in its staff and encourage suitably qualified women to apply. Female candidates will be given priority in the case of equal suitability, competence and professional performance.

The University of Kiel has an equal opportunities policy for persons with recognized disabilities. Disabled persons with the necessary qualifications will therefore be given priority.

Applications by people with a migration background are particularly welcomed.

Please e-mail us your application documents (cover letter with short statement of research interest, CV, copies of certificates, list of publications, and names and contact information of two referees). Application deadline is November 18, 2016. Please refrain from submitting application photos. The position needs to be filled as early as possible, so please let us know your availability as well. If you have further questions about the field of activity and possible project extension options, please do not hesitate to contact us!

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