

**Ph.D. position: multi-scale simulations of biophysical processes
(Karlsruhe / Germany)**

We are looking for **new Ph.D. students** with interest in molecular dynamics simulation, and optionally, hybrid QM/MM techniques.

Tailored scale-bridging approaches to computational nanoscience (GRK 2450) is a new research training group funded by German Science Foundation. It includes several studies of enzymatic reactions that are accompanied by large conformational transitions. These will involve **development** of multi-scale simulation techniques as well as **applications** to attractive mechanistic biophysical problems like thiol–disulfide shuffling or action of kinase enzymes.

- You are → M.Sc. graduate (f/m/x) in
physical / theoretical chemistry,
computational physics / chemistry,
applied mathematics, or similar
- Apply by → **February 2, 2019**
- Positions start → **April 1, 2019**
- Duration → 3 years
- Salary (TV-L) → 75% E13, net: 1750 €/mo, +9% after 1 year
- Further info → www.compnano.kit.edu, ccl.net
- Apply with → our secretary, sabine.holthoff@kit.edu
- Address questions → Tomáš Kubař, tomas.kubar@kit.edu