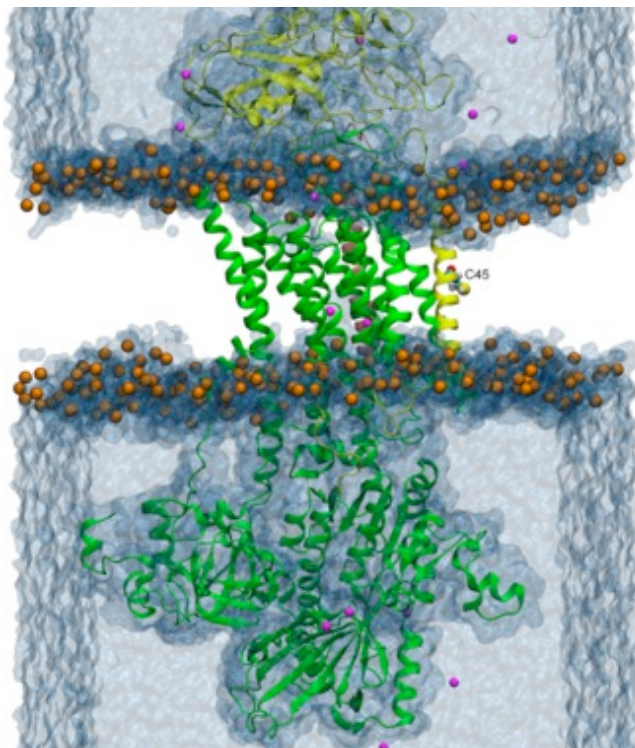


## PhD in Computational Biophysics

A PhD scholarship in computer simulations of ion transport in biology is available at the Department of Physics, Chemistry and Pharmacy (FKF) starting as soon as possible. The position is associated with the MEMPHYS-Center for Biomembrane Physics. Outstanding candidates comfortable in the Linux computing environment, and from backgrounds in physical chemistry, chemical engineering and particularly physics are invited to apply. Knowledge of computer simulations is desired, but can be acquired during the job. Knowledge of computer programming is required, preferably in C or C++.



The candidate will be working on an interdisciplinary project involving molecular biophysics, structural biology and computer simulations. The project involves using multi-scale simulations (QM, all-atom, hybrid Monte Carlo) simulations, to investigate the fundamental molecular basis of proton ion transport across biological membranes through proteins. Strong collaboration with experimental groups is expected and the successful candidate will work in a highly collaborative atmosphere at MEMPHYS, working together with theorists and experimental scientists. The project is co-advised by Associate Professors Himanshu Khandelia and Ilia Solov'yov.

Applications and queries can be sent to Dr. Khandelia ([hkhandel@sdu.dk](mailto:hkhandel@sdu.dk)). In the subject of your application, please use the keyword: PROTOPORT.