unicat
Unifying Concepts in Catalysis

UniCat Colloquium

PROF. DR. BERT DE GROOT

Universität Göttingen

The molecular dynamics of potassium channel permeation, selectivity and gating

Ion channels facilitate the passive, selective permeation of ions such as sodium, potassium and chloride across biological membranes and as such are essential for cellular electrical signalling. Molecular dynamics simulations based on the computational electrophysiology scheme will be presented to study ion permeation across potassium channels. Together with crystallographic analyses and electrophysiology experiments these provide insight into the mechanisms of permeation, selectivity and gating in potassium channels.

Wednesday, July 11, 2018 at 5:15 PM
TU Berlin, Institute of Chemistry
Straße des 17. Juni 115, 10623 Berlin

Building C, Lecture Hall **C 264**

Prof. Dr. Hildebrandt (TUB)
Organizer

Coffee and cake will be served 30 minutes before the lecture. Guests are cordially invited to attend!
Prof. Dr. Matthias Driess - Chair of the Cluster of Excellence UniCat - www.unicat.tu-berlin.de