

Seminar: Molecular Biophysics - Theory and Experiment

Prof. Ana-Nicoleta Bondar & Prof. Joachim Heberle

Plan of the seminars

14.04	Introduction	
21.04	Dynamics of water interacting with biomolecules: experiments	Victor Lorenz Fonfria
28.04	Dynamics of water interacting with biomolecules: theory	Federico Guerra
5.05	Water in proton translocation: theory (QM/MM reaction path calculations)	Stefan Milenkovic
12.05	Water in proton translocation: experiments (residence lifetimes of internal water vs. interfacial water)	Hendrik Mohrman
19.05	Protein electrostatics in ion translocation: theory	Christian Spakowski
26.05	Protein dynamics in ion translocation: experiments	Maximilian Schmidt
2.06	Topic to be added	Bastian
9.06	Binding of ions to lipid bilayers: theory	Fucsia
16.06	To be added	Federico
23.06	Protein motors: experiments	Emanuel Pfitzner
30.06	Protein motors: theory.	Christopher Mielack
7.07	Binding of ions to lipid membranes: experiments	Mattia Saita
14.07	Final discussion	