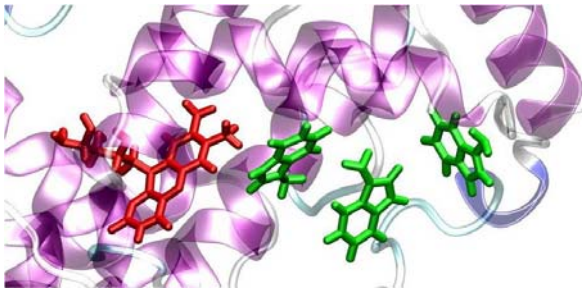
Methods, IPC, Koslowski

# Amber *Molecular dynamics*	Model: Unit and Room: Responsible: Further information:	*Version 10* *Physical Chemistry, various* *Prof. Thorsten Koslowski* *www.theochem.uni-freiburg.de*

Short Description: Amber 10 molecular dynamics package with various extensions	Picture of the Equipment 
Available Experiments/Techniques: Molecular dynamics in a variety of ensembles, thermodyanmic integration methods	
Special Equipment: Extension to combined quantum mechanics - classical mechanics simulations	
Measurements on the equipment are currently done by:	☐ Students ☐ Students after Introduction ☒ Students after extensive training ☒ Trained scientific service personal
Recent Publications, where this instrument was important (optional): Give citation	J. Phys. Chem. B 112, 16935 (2008), PCCP 7, 4039 (2005) (invited article)
Typical problems that may be solved with this instrument:	*Direct simulation ot electron transfer, free energy surfaces for reactions*