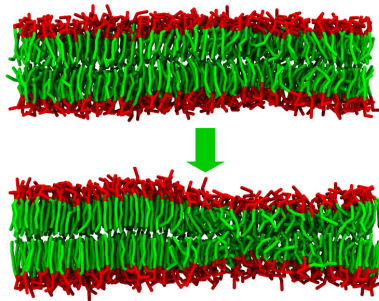




Study transitions in lipid membranes

Yuliya Smirnova & Prof. Dr. Marcus Müller

- Liquid order – liquid disorder phase transition is an important phase transition in biological systems, as it is involved in protein functioning
- Study model membrane phase transition using modern statistical mechanics methods (such as "string" method)



Your Challenges

- Learn molecular dynamics simulations with software package GROMACS
- Learn graphical package VMD for molecular visualisation
- Perform analysis of simulations and obtain transition path between liquid phases

What We Can Offer You

- Help and advice during project time
- Access to computer clusters
- Nice working atmosphere

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