



Masters Thesis

Investigation of Myosin Lipid Interactions

Myosin motor proteins perform a variety of tasks ranging from muscle contraction to intracellular trafficking. In order to understand their specific functions in the cell, *in vitro* model systems need to be established at the single molecule level. The aim of this Masters thesis is to investigate the interaction of myosin motors with lipid membranes.

The following techniques will be used:

- Single molecule imaging
- Single molecule mechanical studies
- Fluorescence microscopy techniques including confocal, TIRF, FRAP, STORM
- Molecular biology and biochemical techniques

The work on this Masters thesis can begin immediately.

Please send your application (including a CV) to:

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