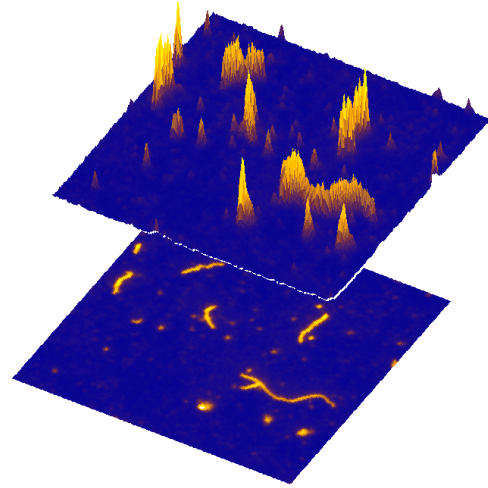


## PhD and Master's Thesis

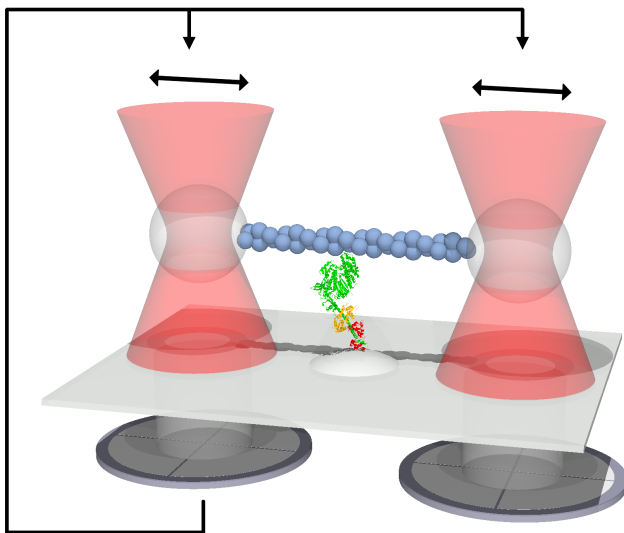
Our research group comprises young group leaders, postdocs, PhD and Masters students from physics, chemical engineering and biochemistry. In collaboration with the LMU Faculties of Physics and Chemistry we are looking for talented and motivated Masters and PhD students.



*Fluorescence image of actin filaments*

The projects include a broad variety of problems in biophysics, such as:

- High-resolution single molecule studies of motor proteins using optical traps, single molecule fluorescence and force spectroscopy techniques.
- Structural studies of motor proteins using electron microscopy and single molecule image processing techniques.
- High-resolution fluorescence imaging on cellular model systems.



*Optical trap setup with actin filament and myosin motor*

### Contact:

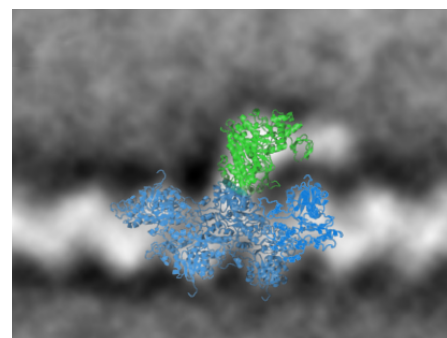
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*Averaged electron microscopy image and crystal structure of a myosin motor bound to an actin filament*