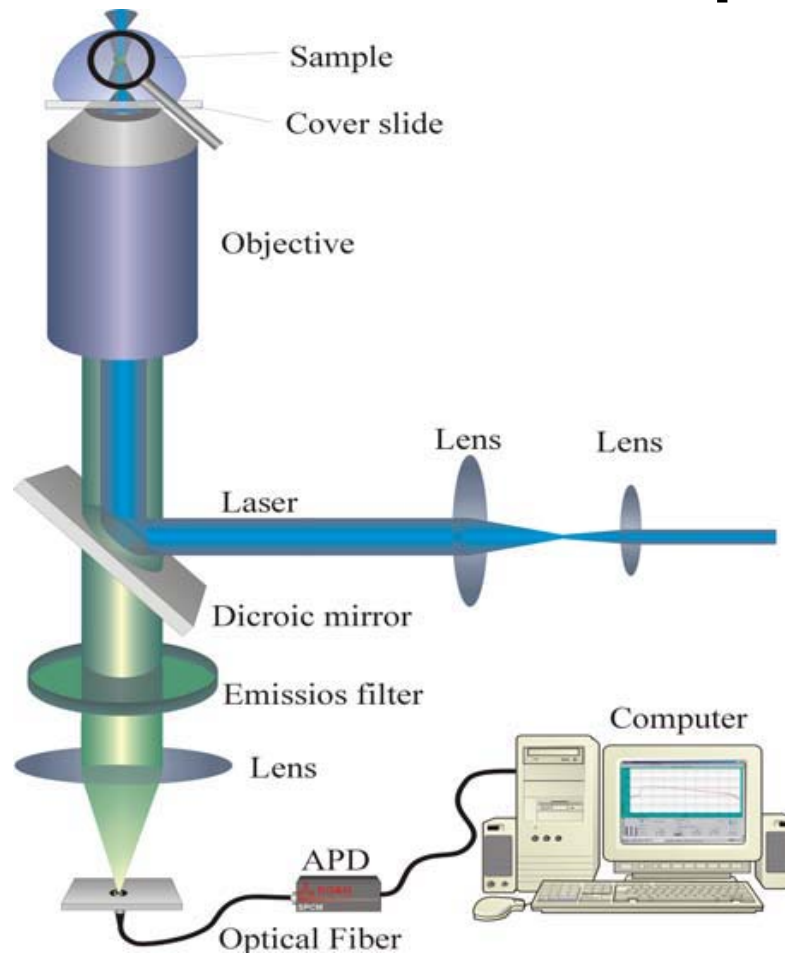
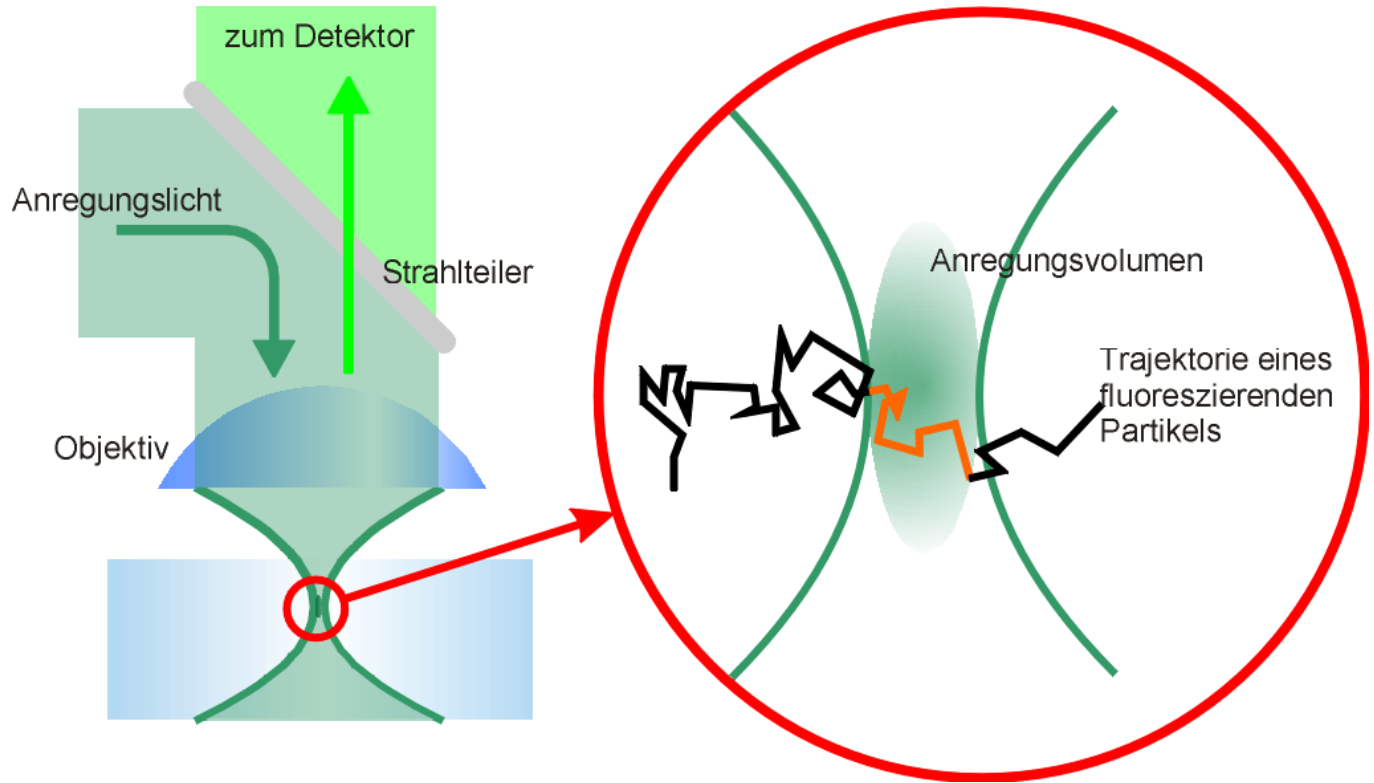


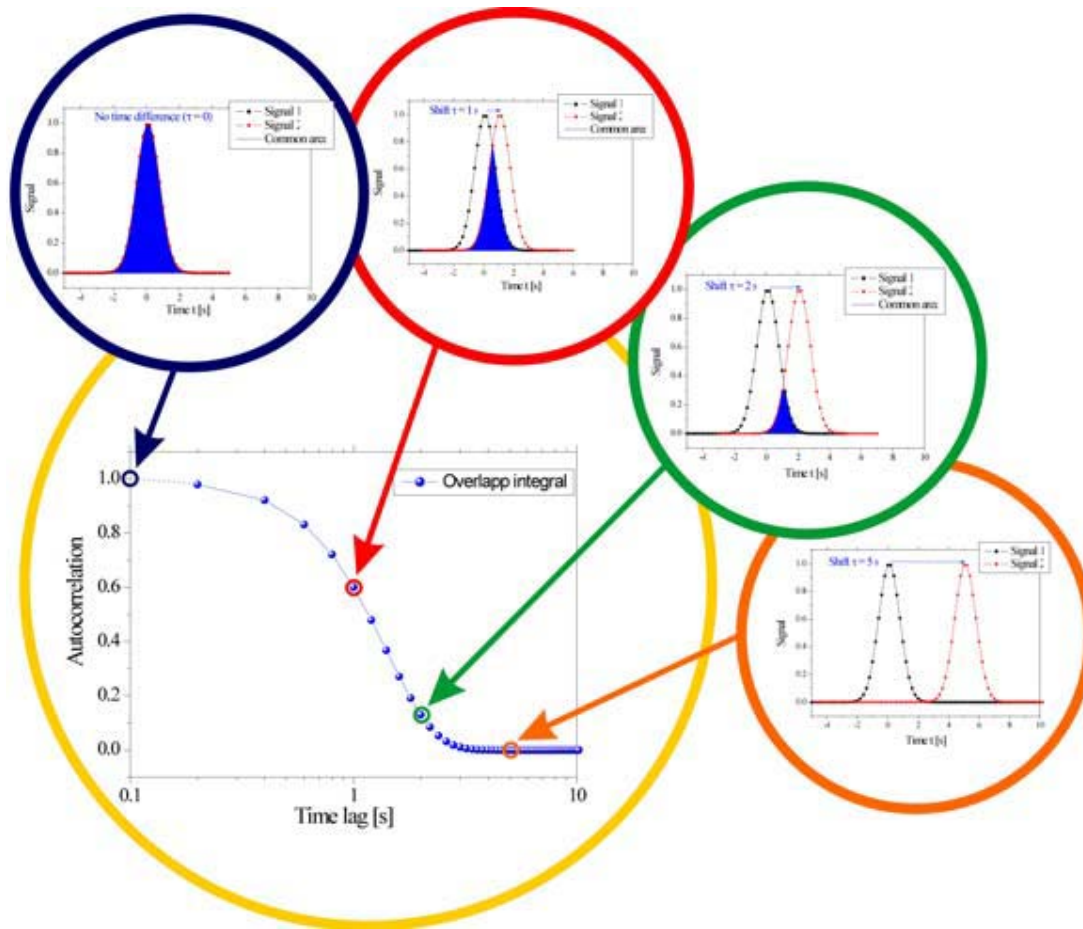
Reasons for fluorescence fluctuations:

- Particle movements
- Conformational changes
- Chemical reactions
- Photophysical reactions

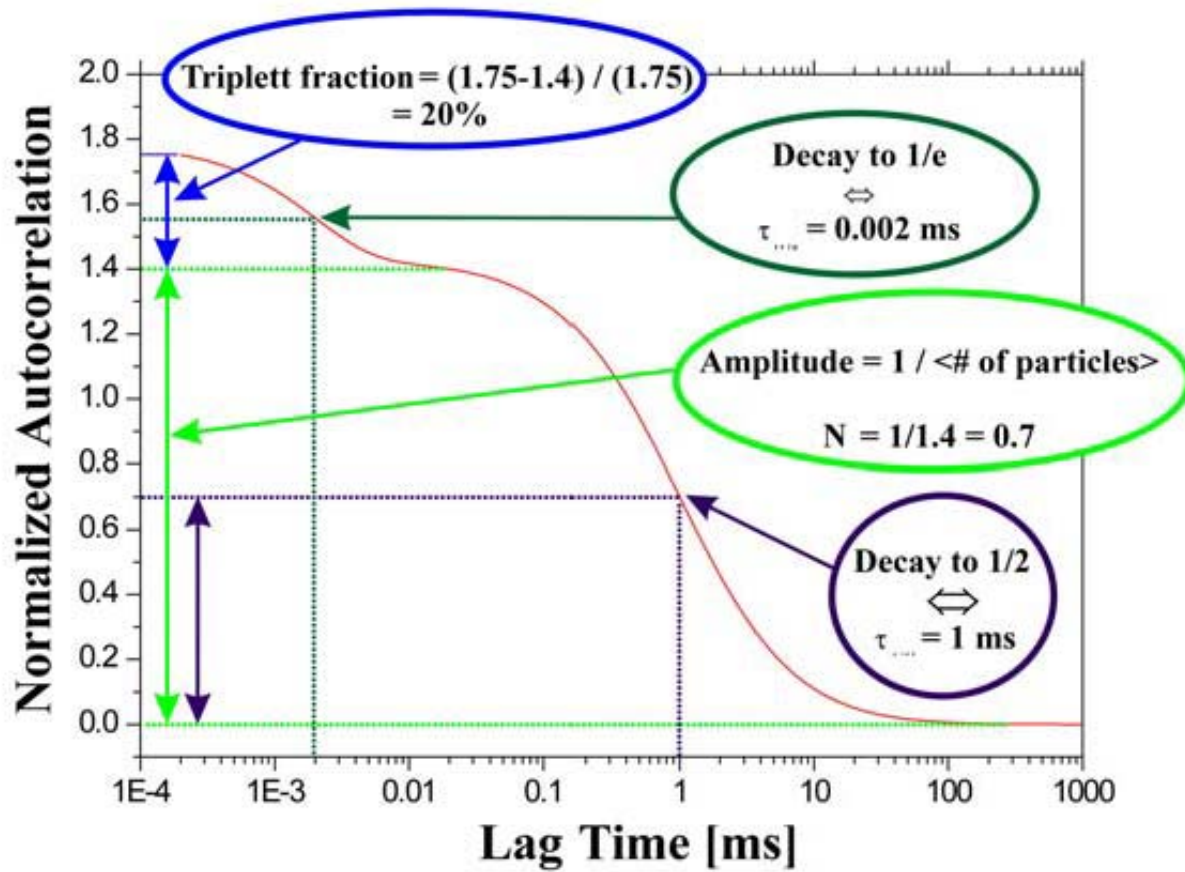
FCS setup



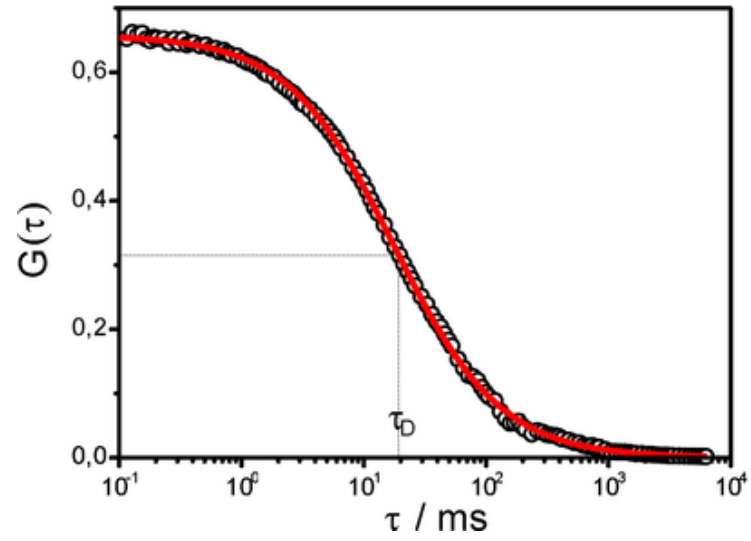
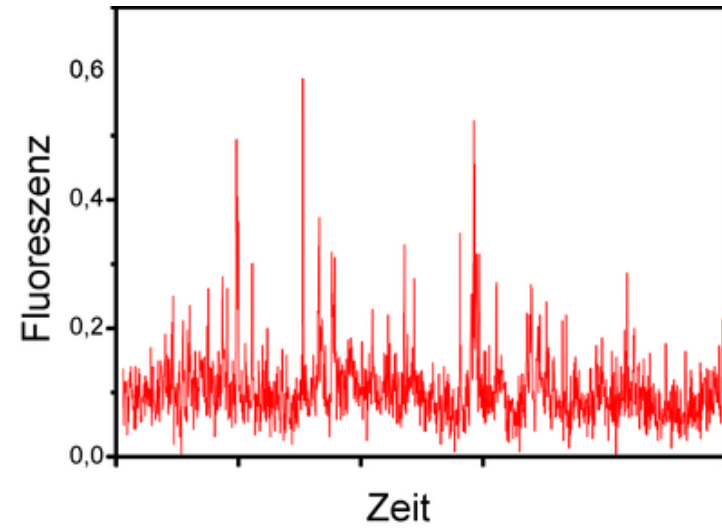


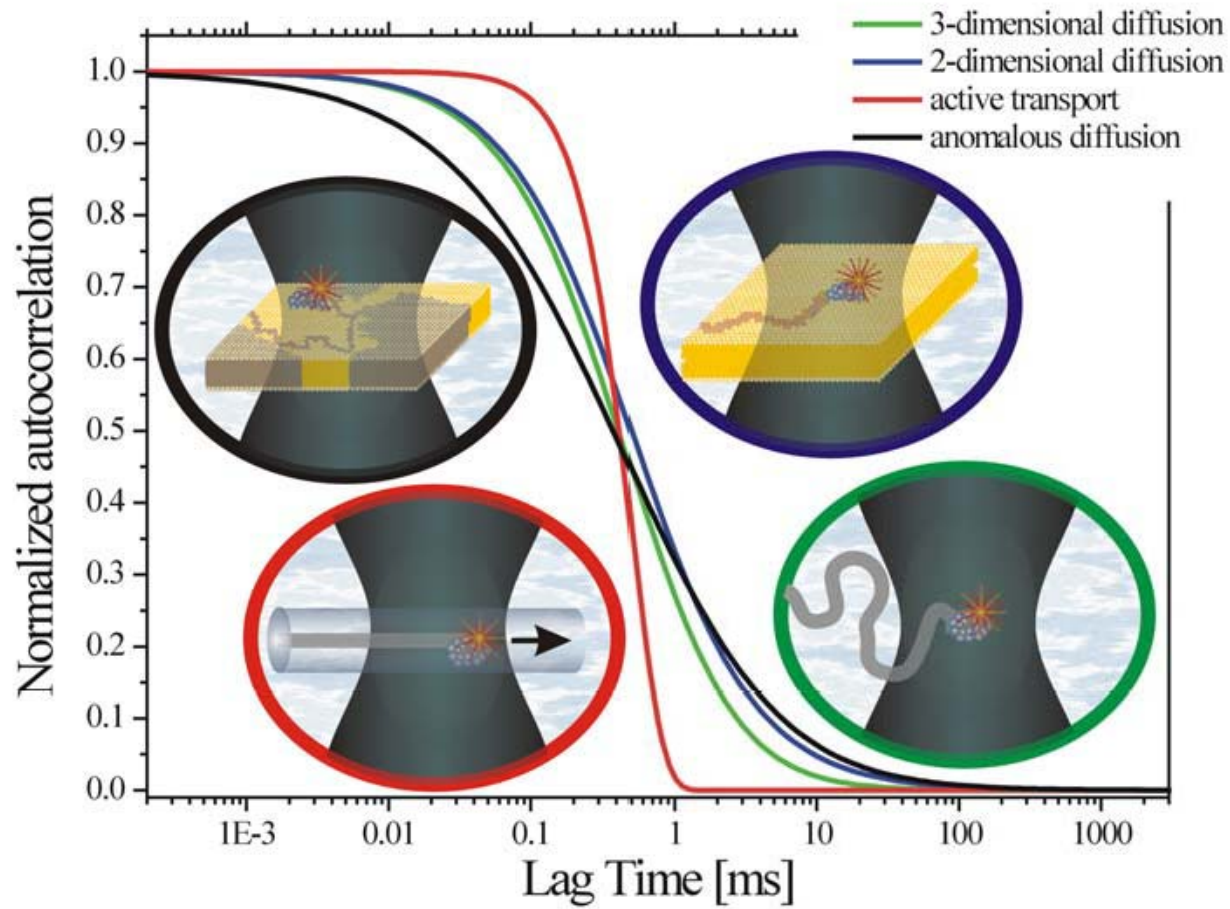


Development of an autocorrelation curve

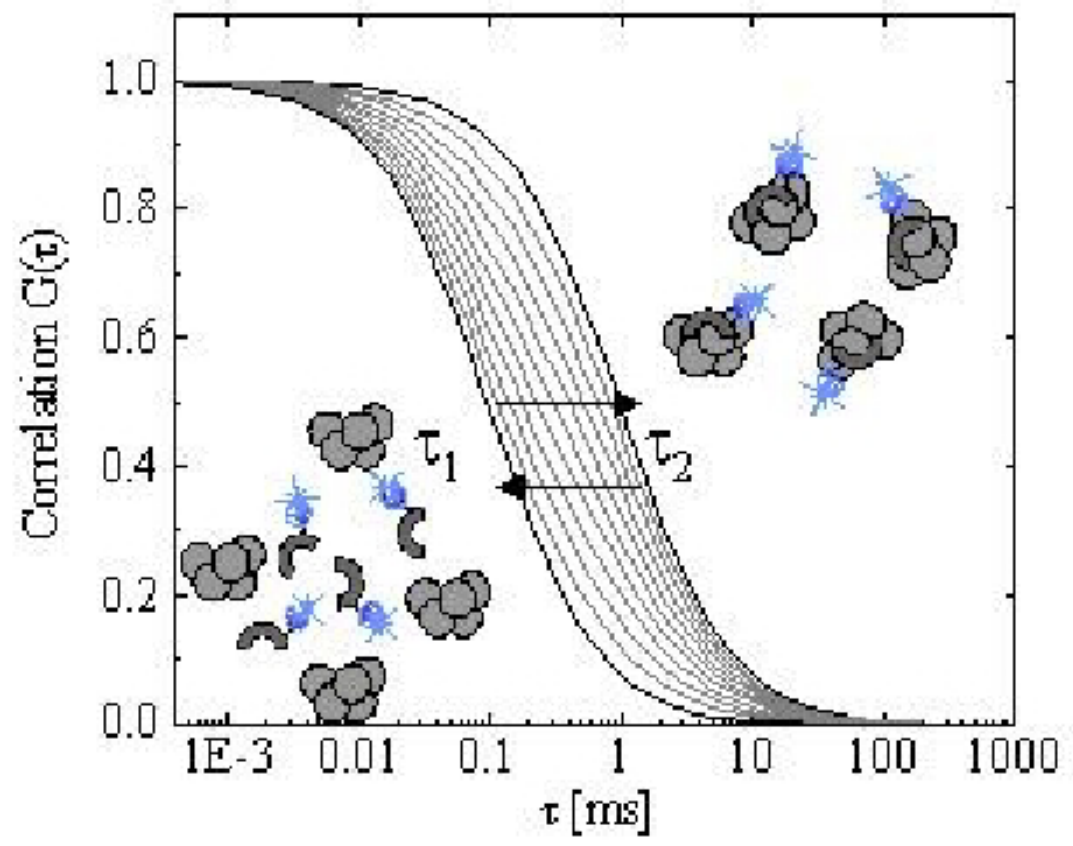
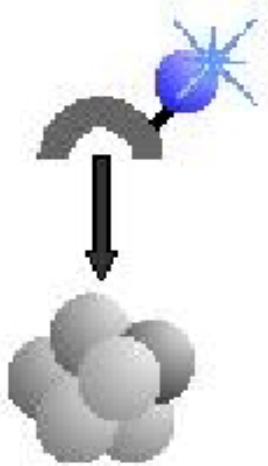


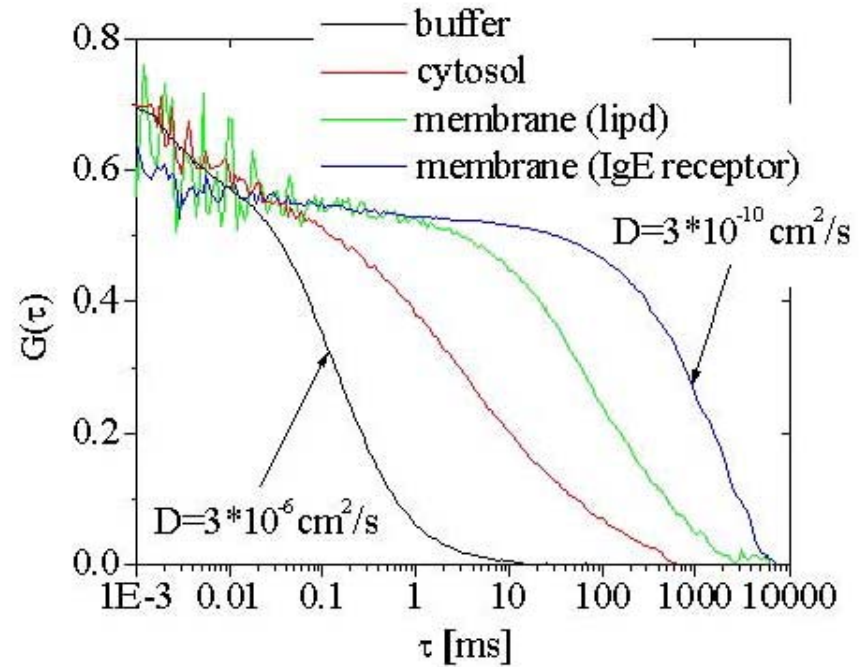
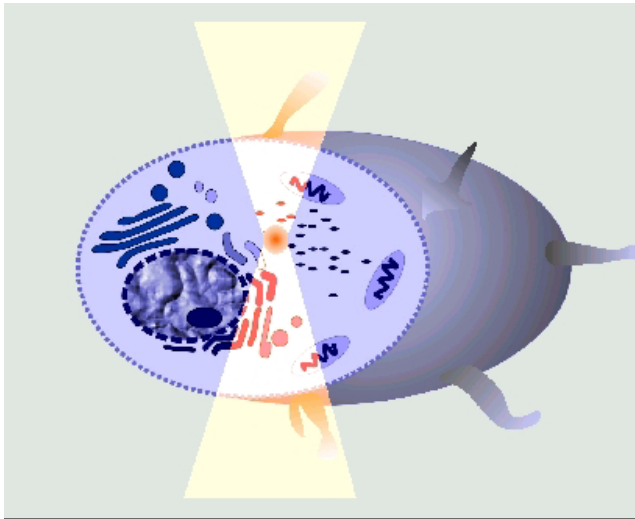
Autocorrelation curve with fast triplet dynamics





Autocorrelation curve of different kinds of motion





Enormous difference in mobility between buffer, cytoplasm,...

