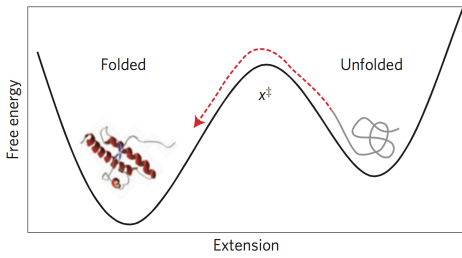
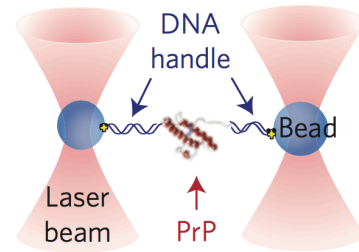


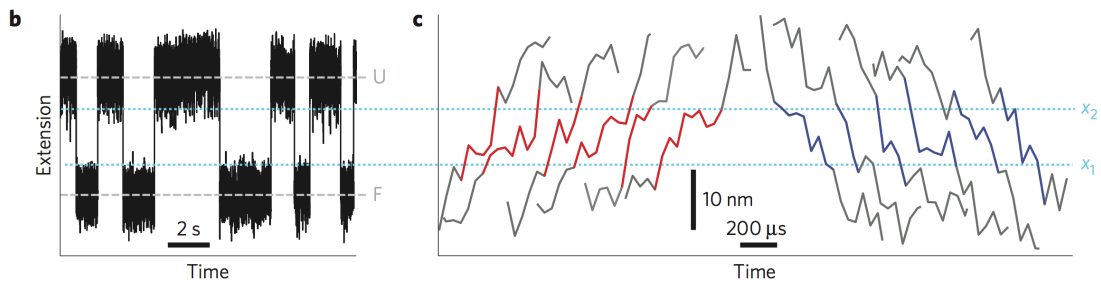
transition paths from experiments (M. Woodside et al., Nature Physics 12, 700, 2016)



experimental double laser trap setup

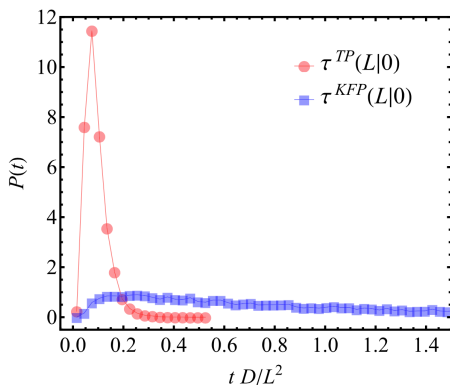
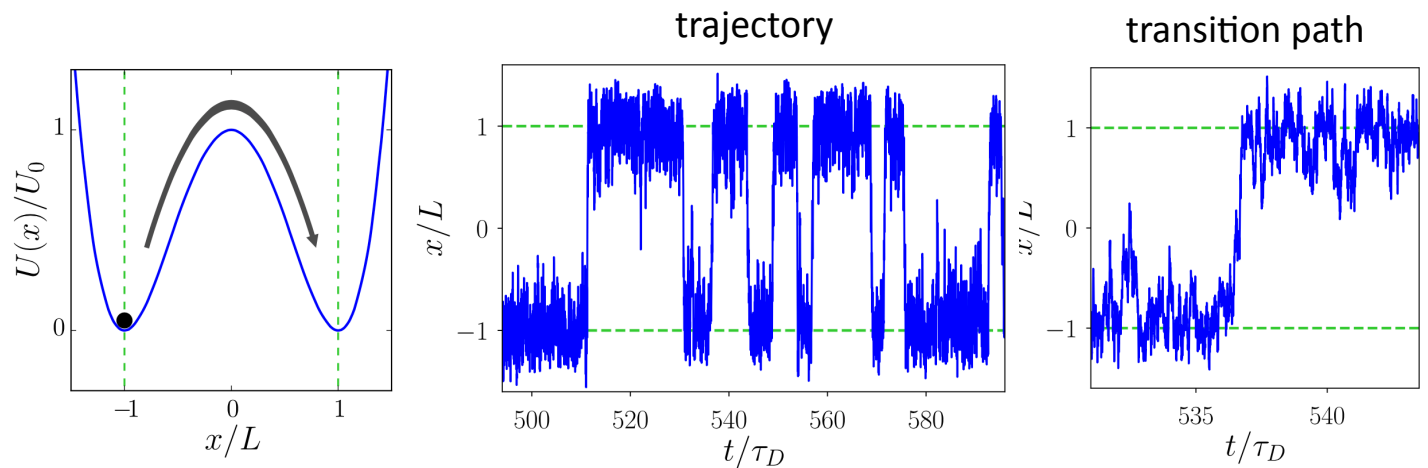


1D protein folding free energy landscape



experimental extension trajectories and zoom into transition paths:
transition paths are very short !

transition paths from theory and simulations (J. Chem. Phys. 143, 224108, 2015)



transition-path and first-passage time distributions
for a harmonic barrier of height $3k_B T$:
the TPT distribution is sharply peaked around the mean,
the FPT distribution is rather flat