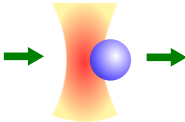


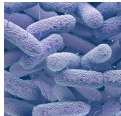
adiabatic quantum computing:
 maintaining ground state while
 driving a quantum system

Demirplak, Rice, JPCA (2003)
 Berry, J. Phys. A (2009)



classical stochastic systems,
 i.e. **Brownian motion of**
bead in optical trap:
 maintaining instantaneous
 equilibrium as trap changes

Martinez *et al* Nature Physics (2016)
 Patra, Jarzynski, New. J. Phys. (2017)



biological
applications:
 population genetics
 molecular chaperones
 force spectroscopy