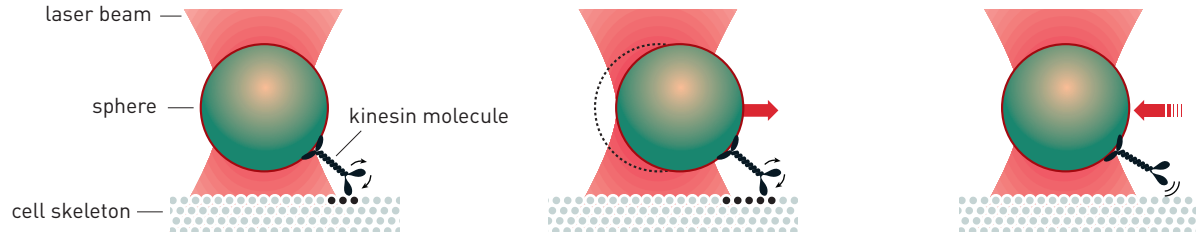


A motor molecule walks inside the light trap



1 The kinesin molecule attaches to a small sphere held by the optical tweezers.

2 Kinesin marches away along the cell skeleton. It pulls the sphere, making it possible to measure the kinesin's stepwise motion.

3 Finally, the motor molecule can no longer withstand the force of the light trap and the sphere is forced back to the centre of the beam.