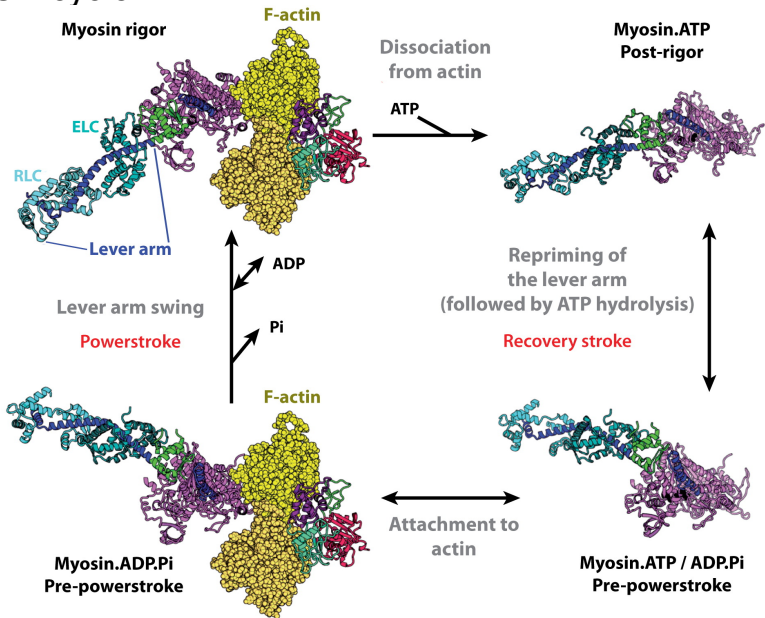


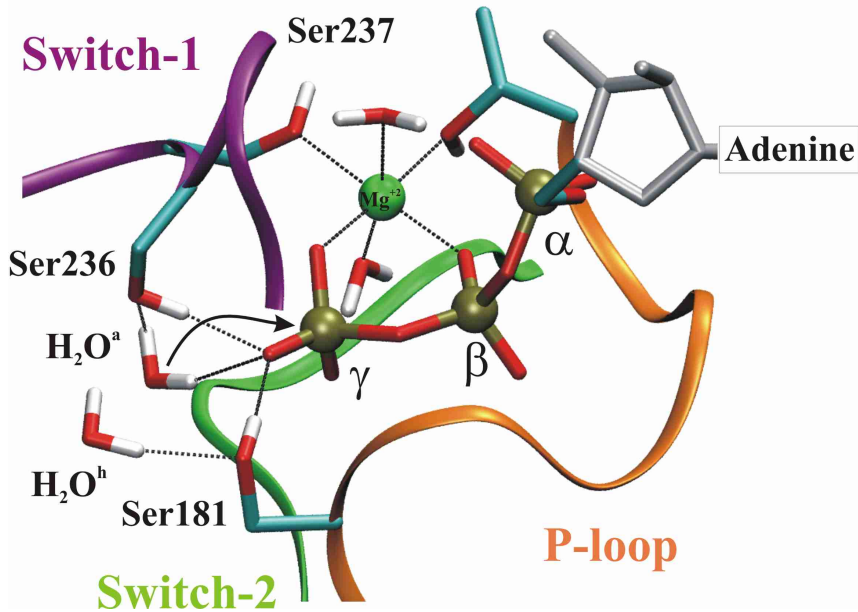
Overview of muscle contraction

See movie on course website: [contraction.mp4](#)

Myosin cycle



Complexity of bonding: ATP in pocket of myosin II protein
Thr186



ATP hydrolysis, in slow motion...

See movie on course website: [ATP_hydrolysis.mpg](#)

Myosin interactions

A

Inverted *in vitro* motility assay
Myosin filaments slide over actin

