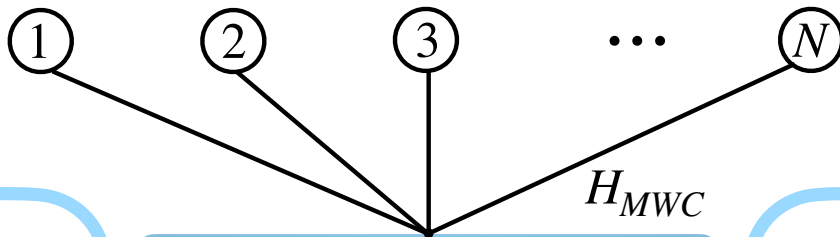
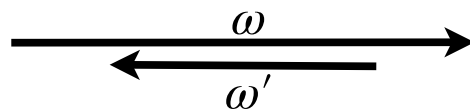


Ligand Binding (σ_i)



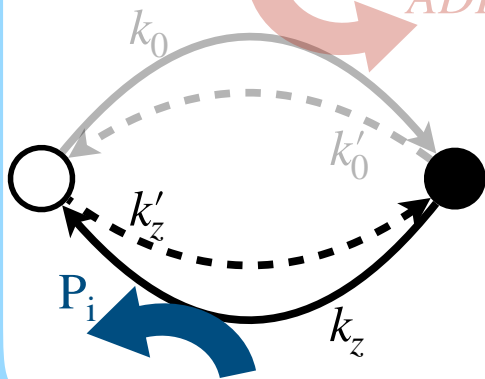
Receptor Conformation (s)



$s = 0$ (OFF)

ATP

ADP



$a=0$ (CheY)

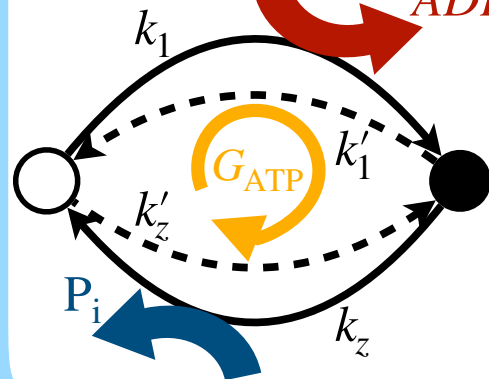


$a=1$ (CheY-P)

$s = 1$ (ON)

ATP

ADP



CheY Phosphorylation State (a)