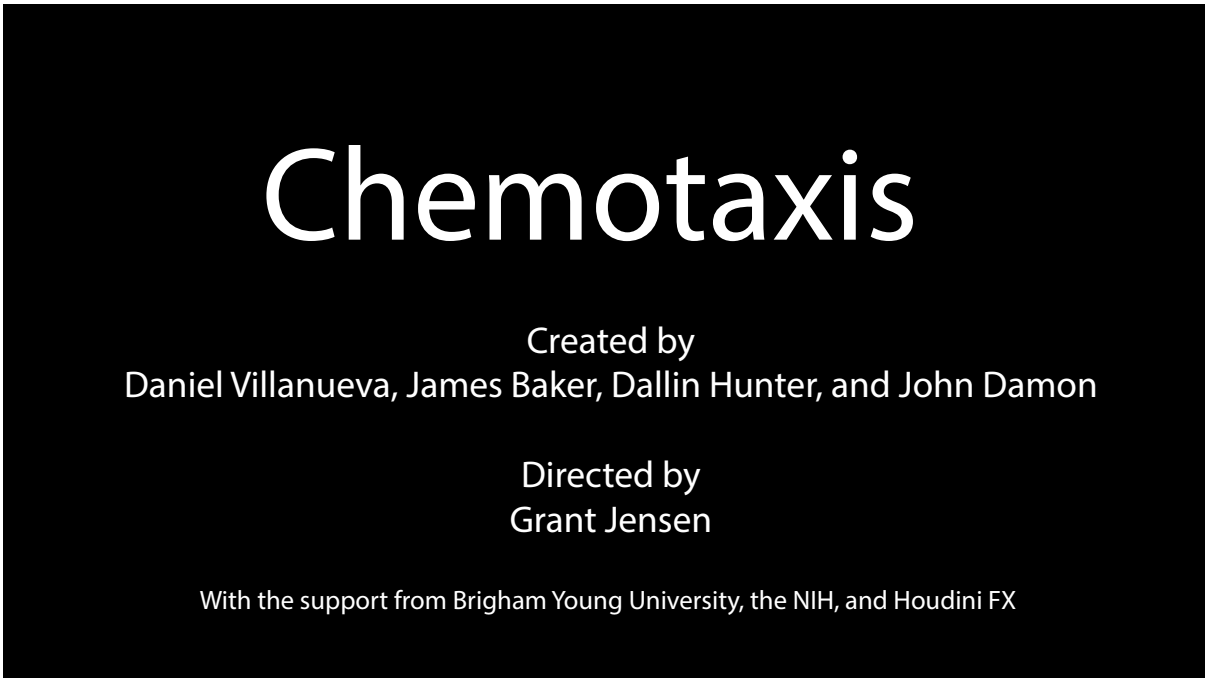
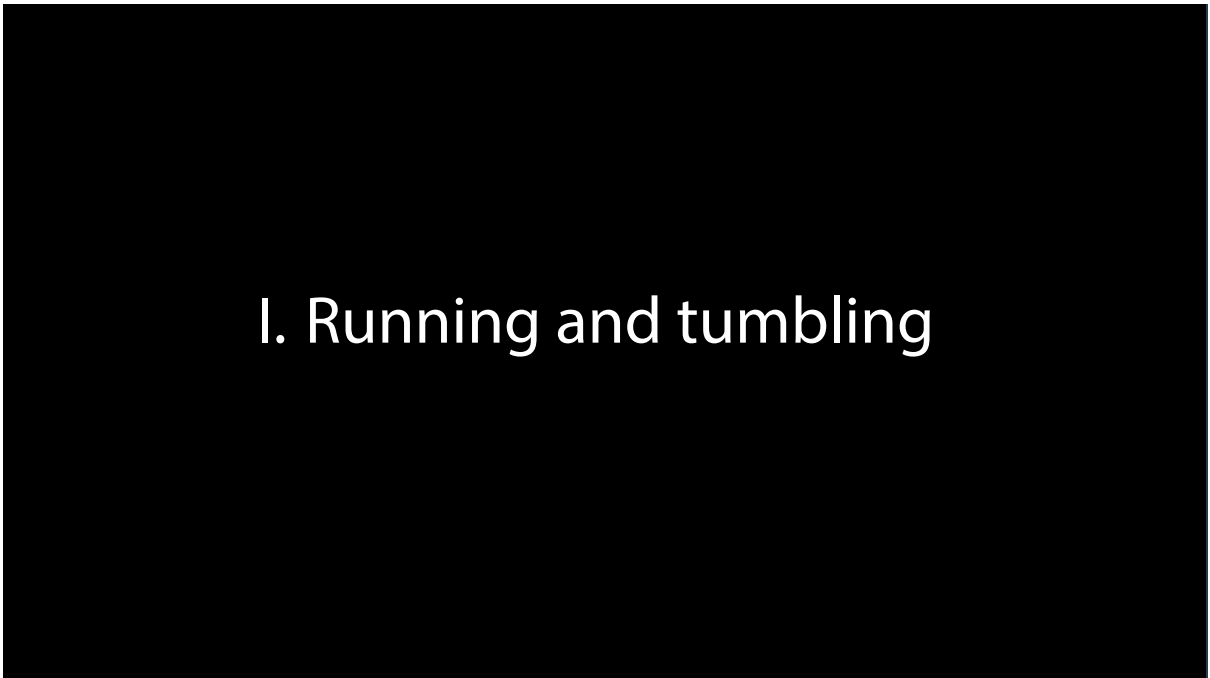
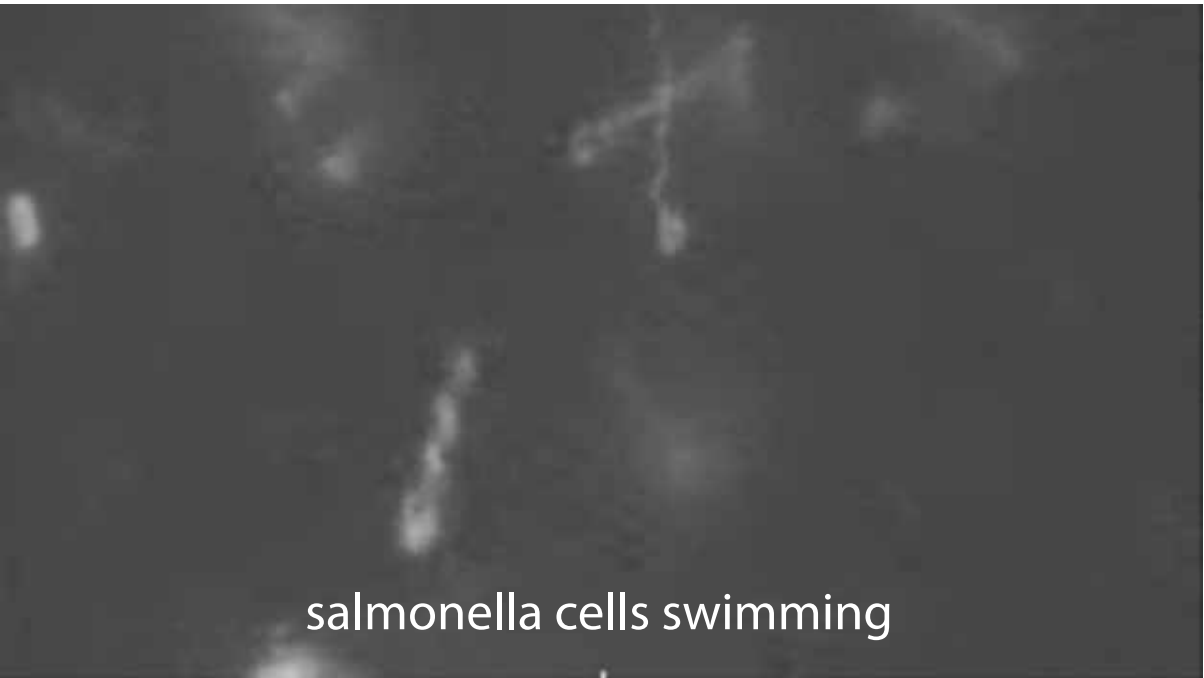




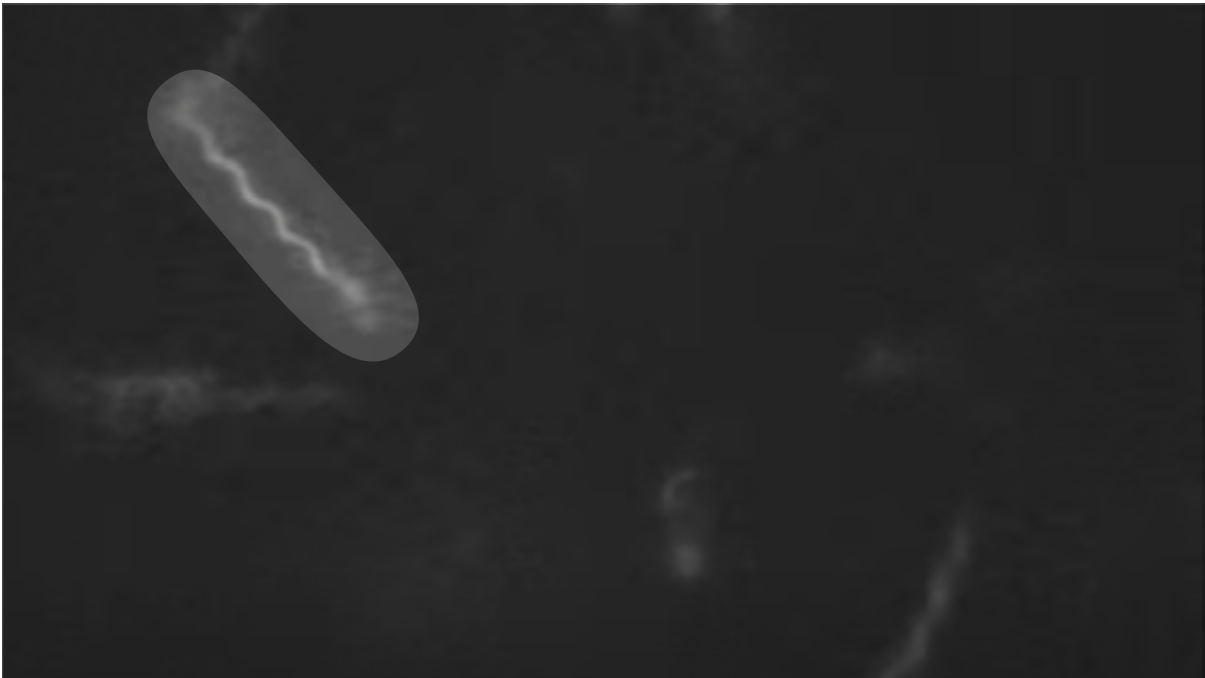
1.1
Opening text



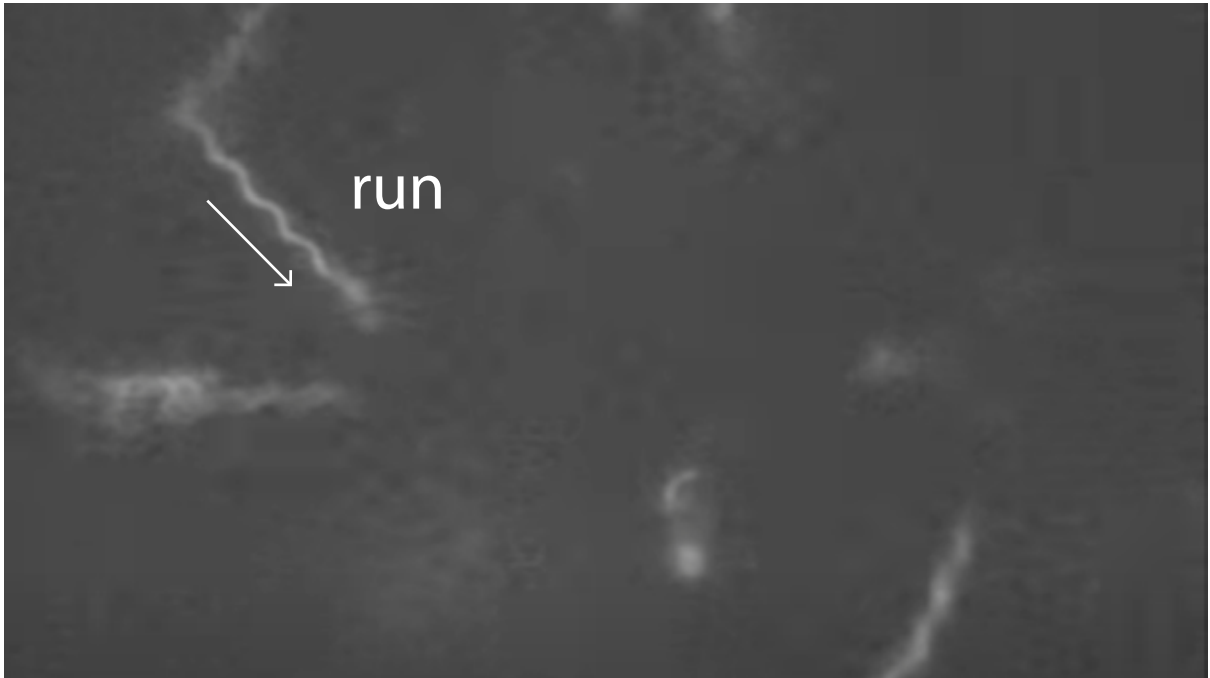
1.2
Label first chapter



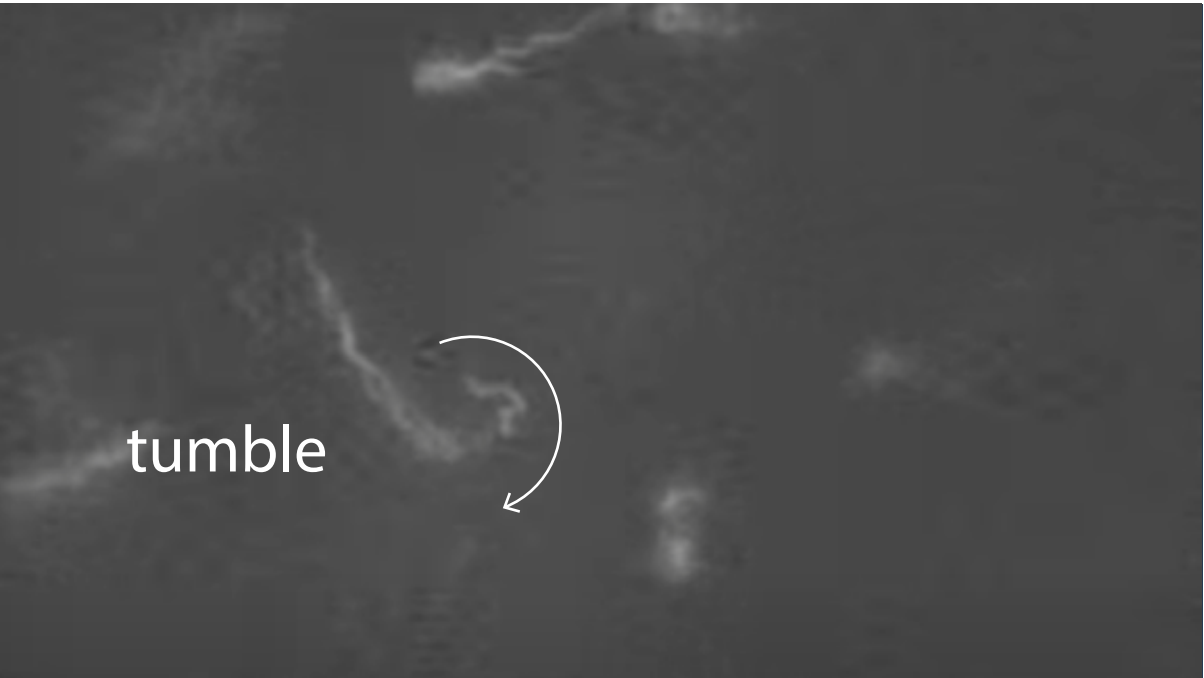
1.3
Show Howard Berg's light microscopy movie of Salmonella cells swimming



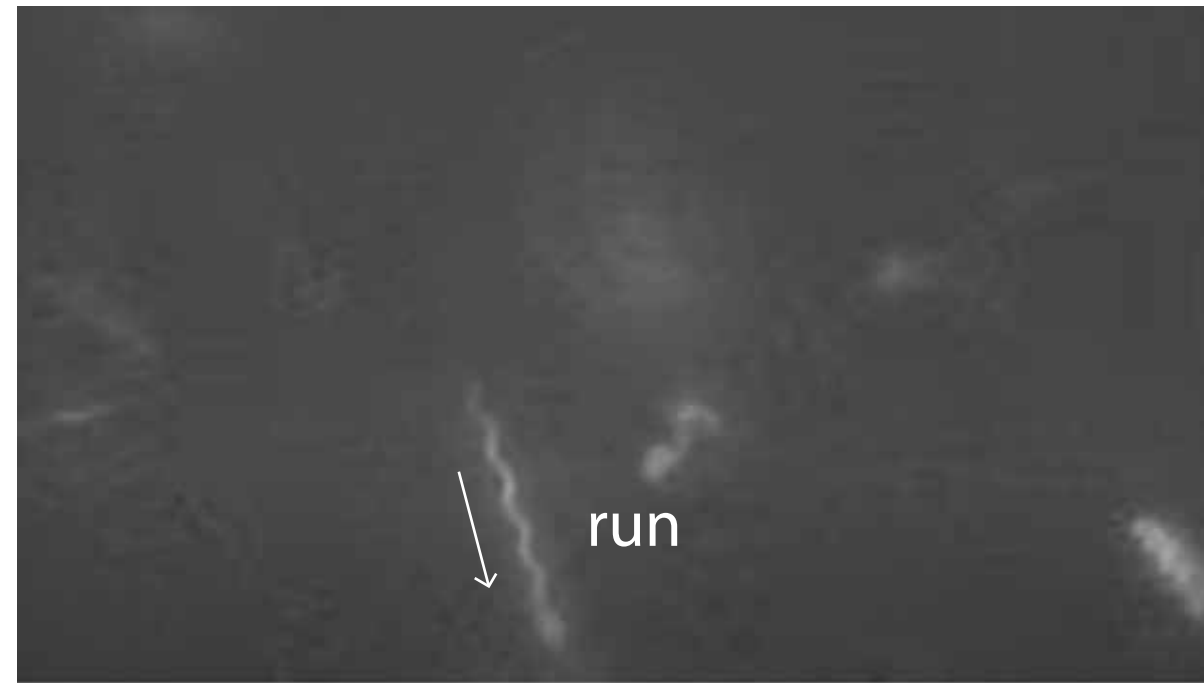
1.4
Play the clip a second time, this time decreasing the brightness of all but the target cell



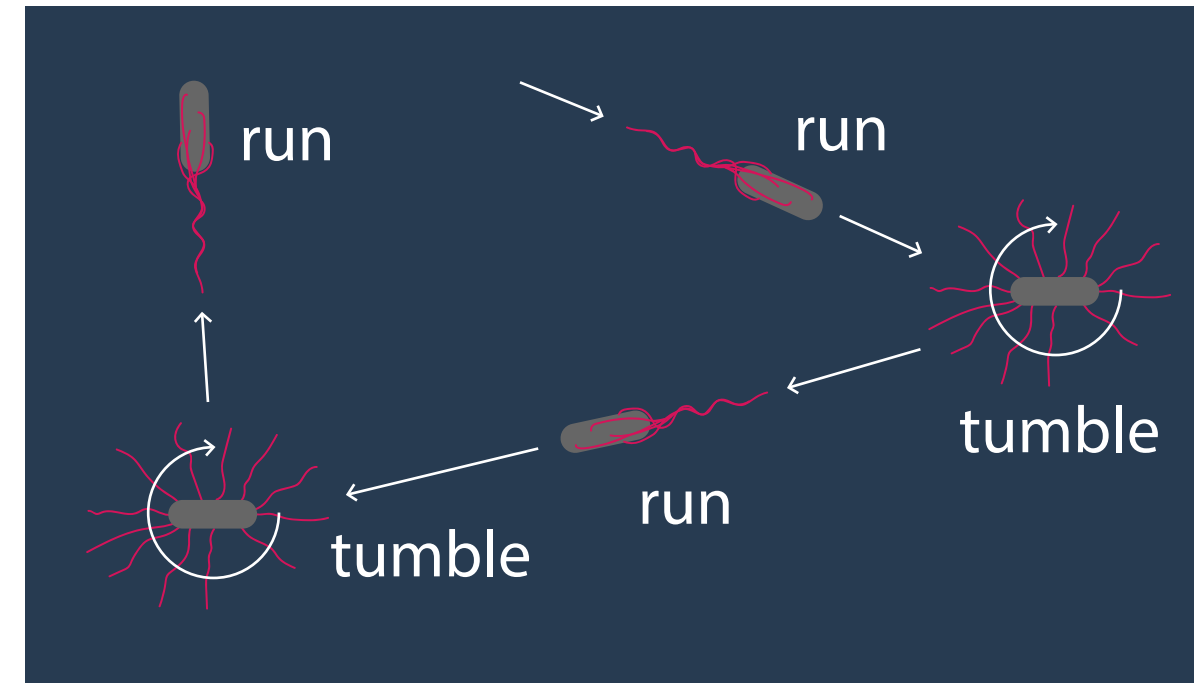
1.5
Play the clip a third time and label the cell in the run state



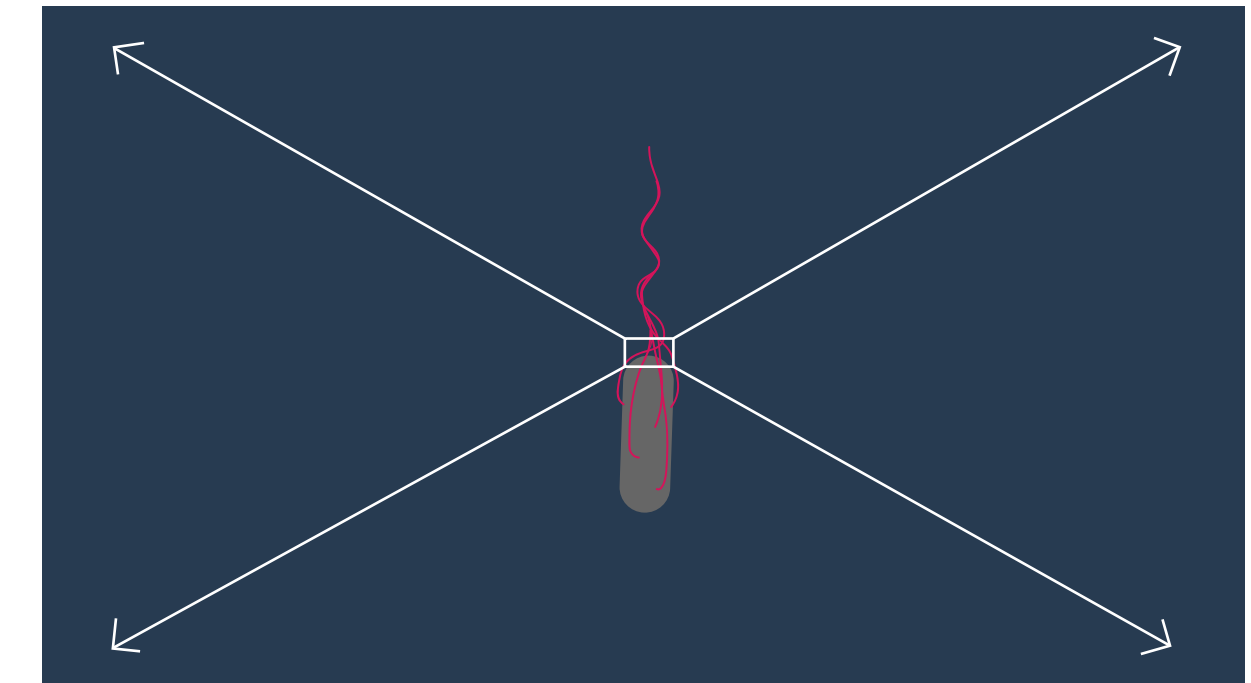
1.6
Label the same cell in the tumble state



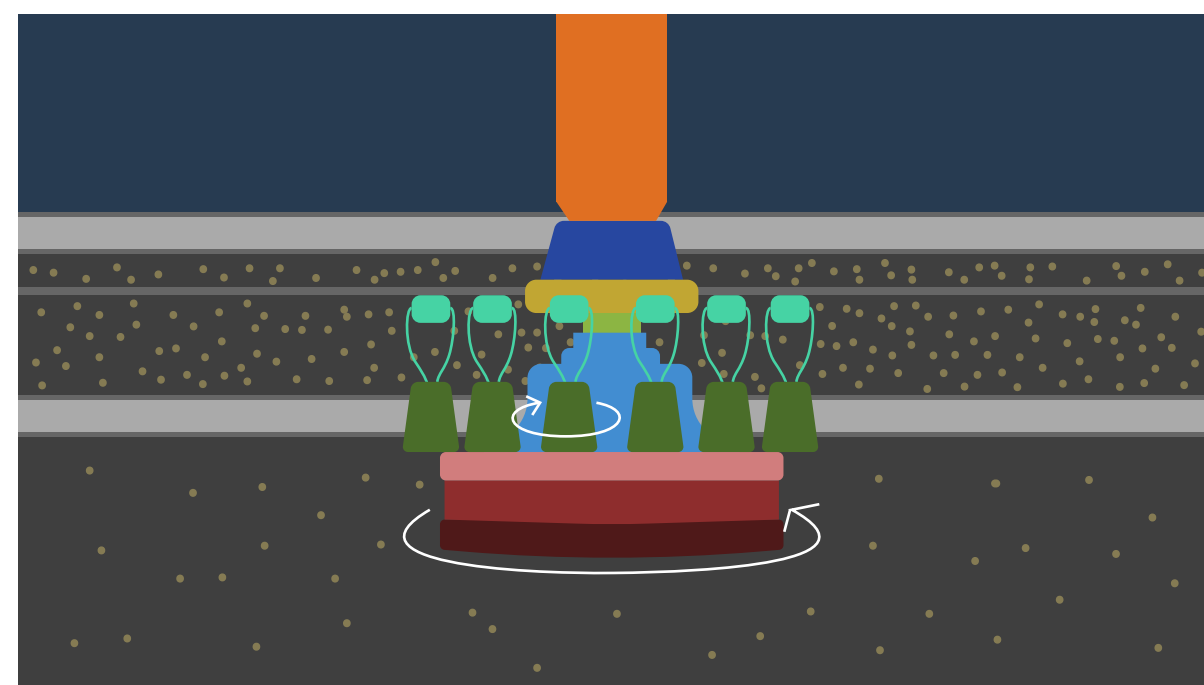
1.7
Animation: Label the cell running



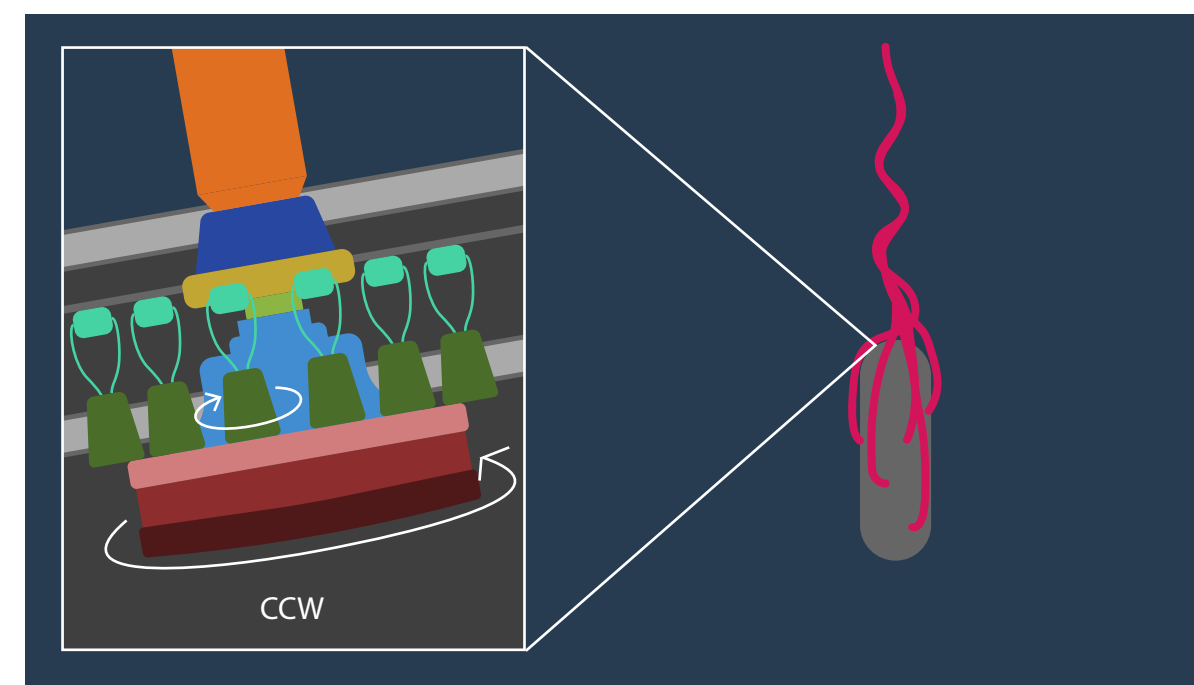
1.8
Animation: Fade to animation of cell alternating between run and tumble. Label each state



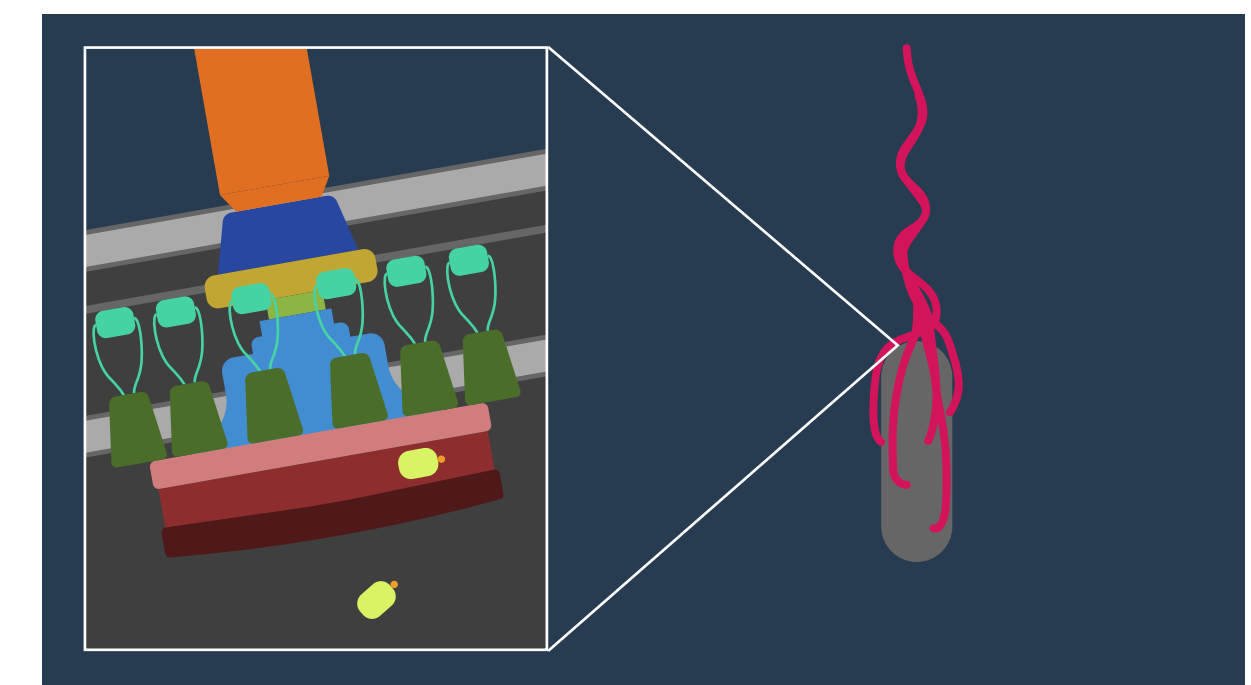
1.9
Animation: Zoom in to motor during the cell's run state



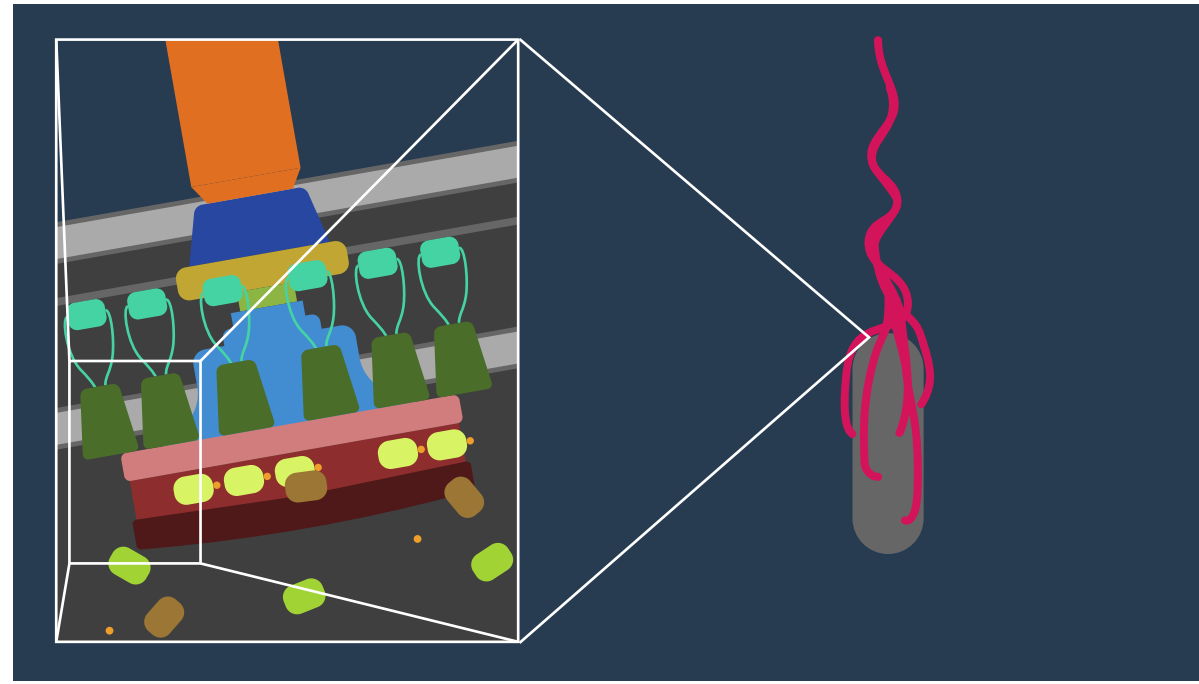
1.10
Animation: Motor rotates CCW



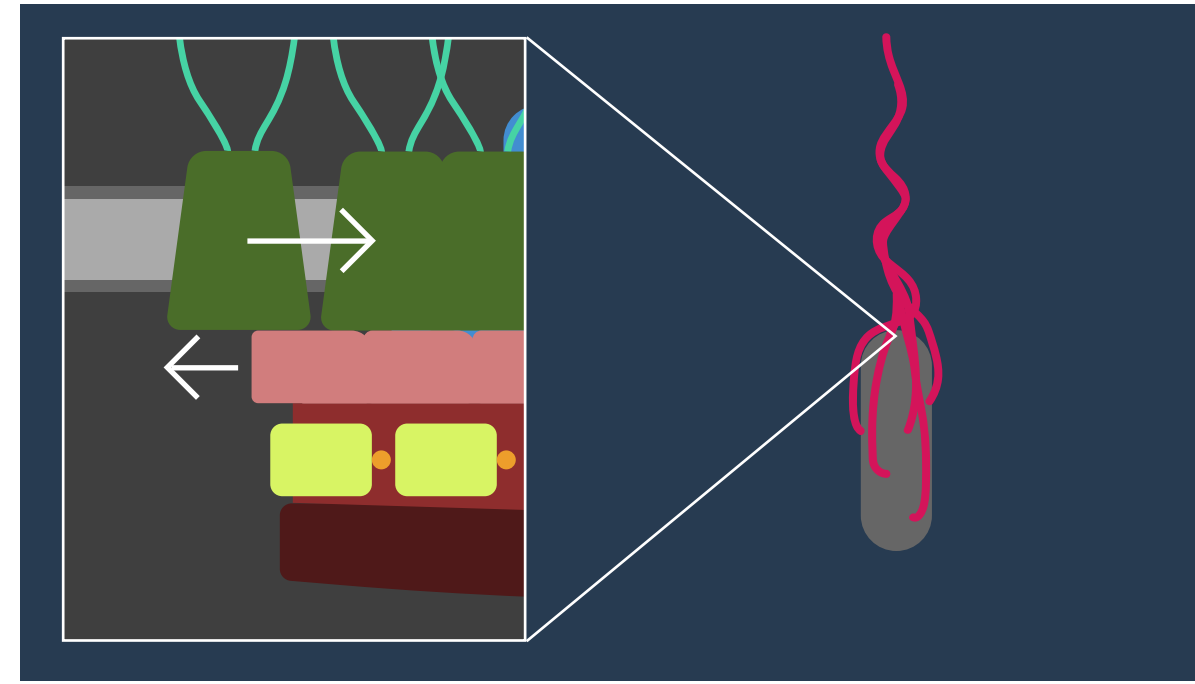
1.11
Animation: Crop and move motor to the left side. Right side - cell in run state



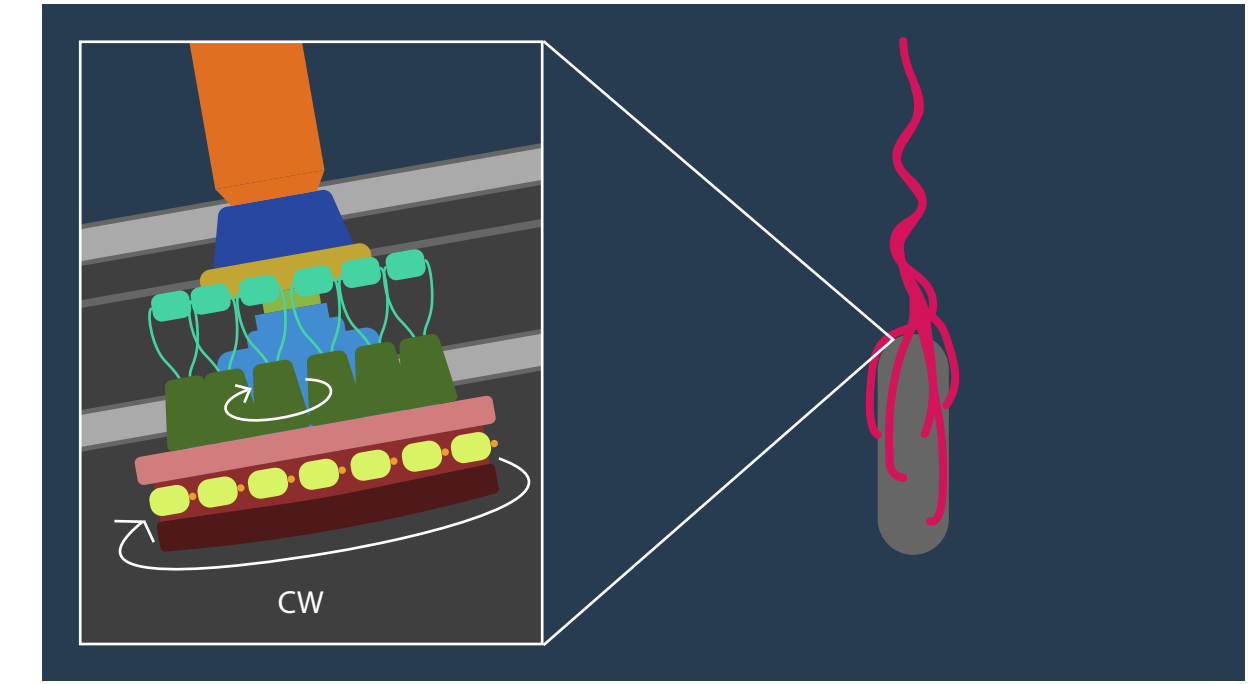
1.12
Animation: CheY-Ps start attaching to FliMs



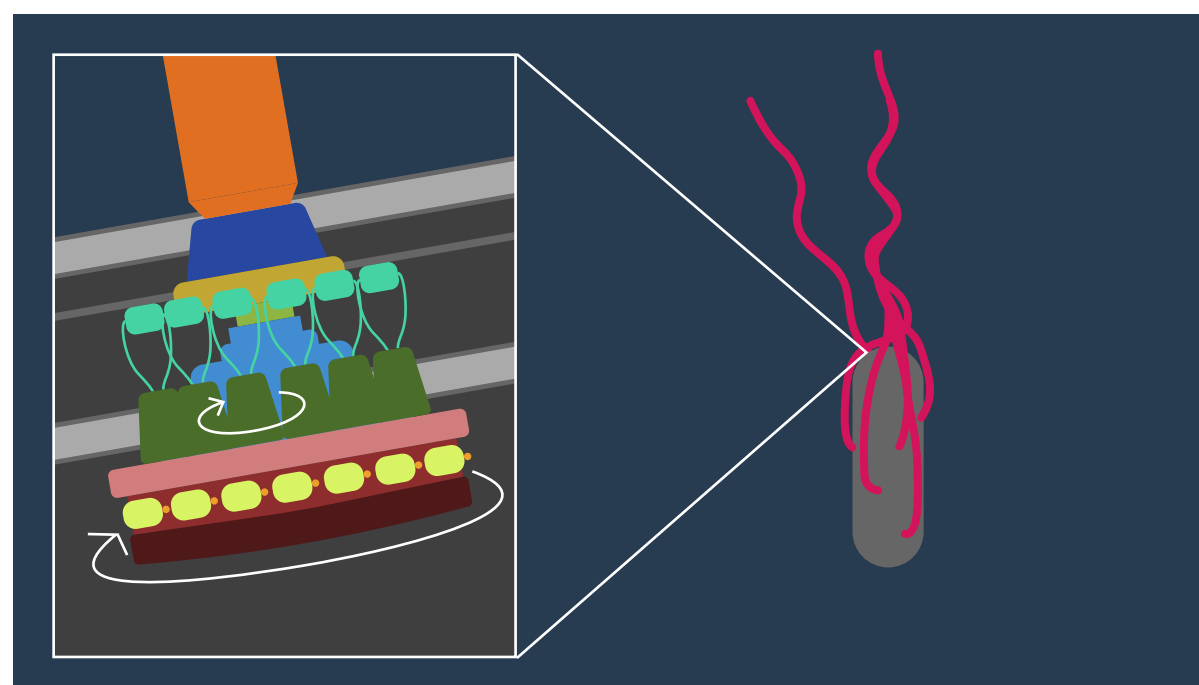
1.13
Animation: More CheY-Ps attach to FliMs while some are released by CheZs.
Zoom in to FliG-MotA interface



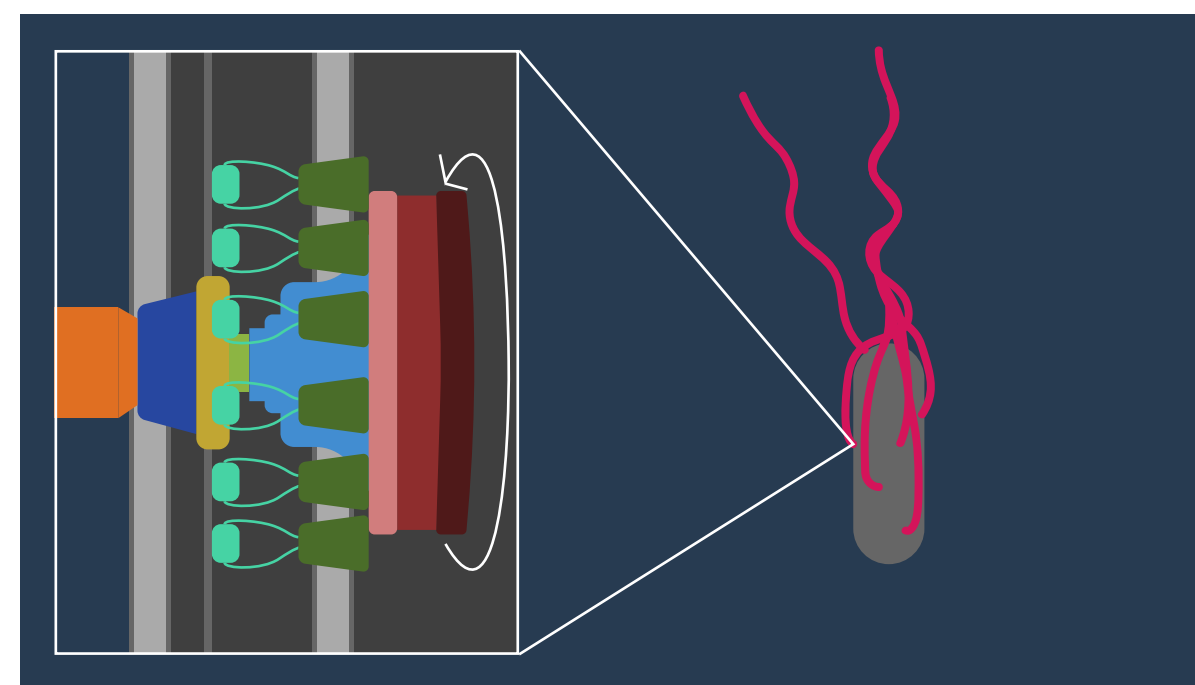
1.14
Animation: FliG changes conformation, stators move inward to interact with FliG's inner domain



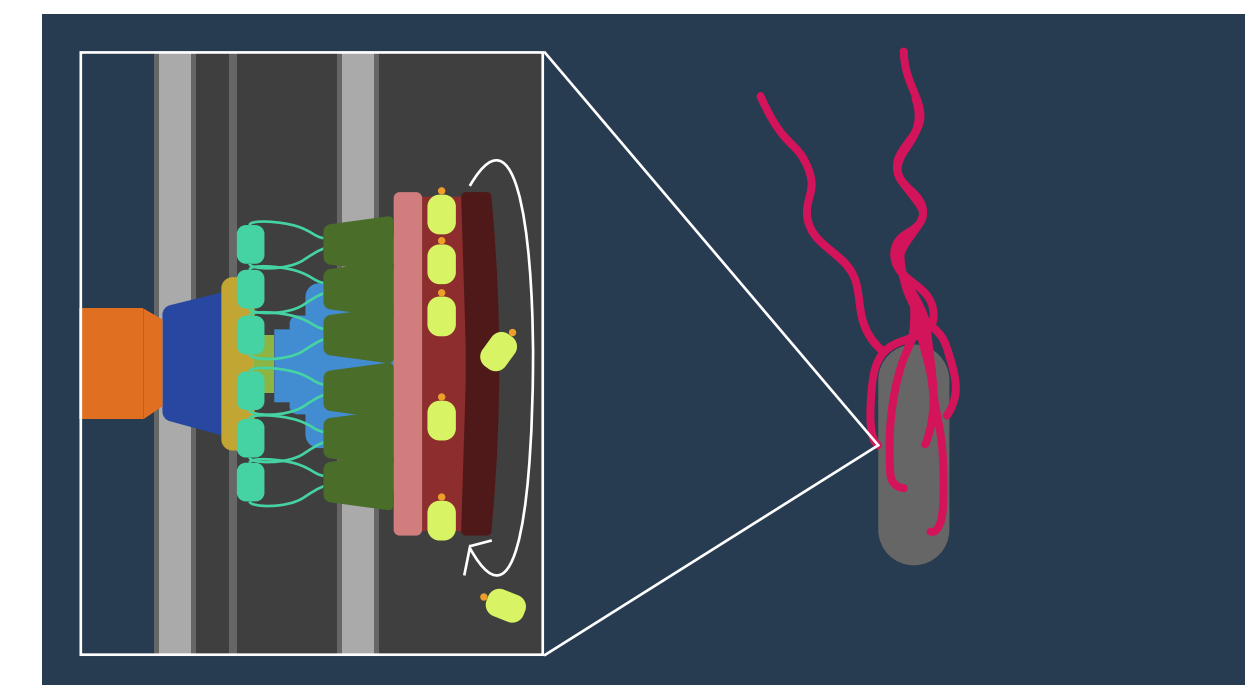
1.15
Animation: Zoom out to see motor rotating CW



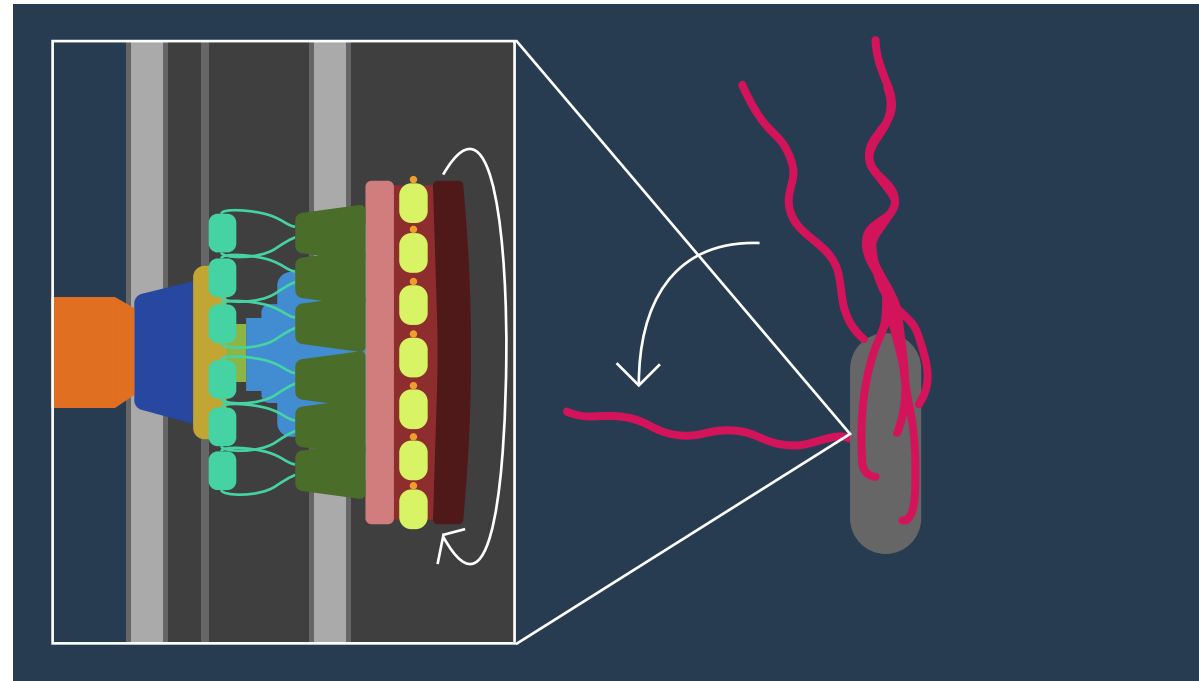
1.16
Animation: CW filament unravels from flagellar bundle



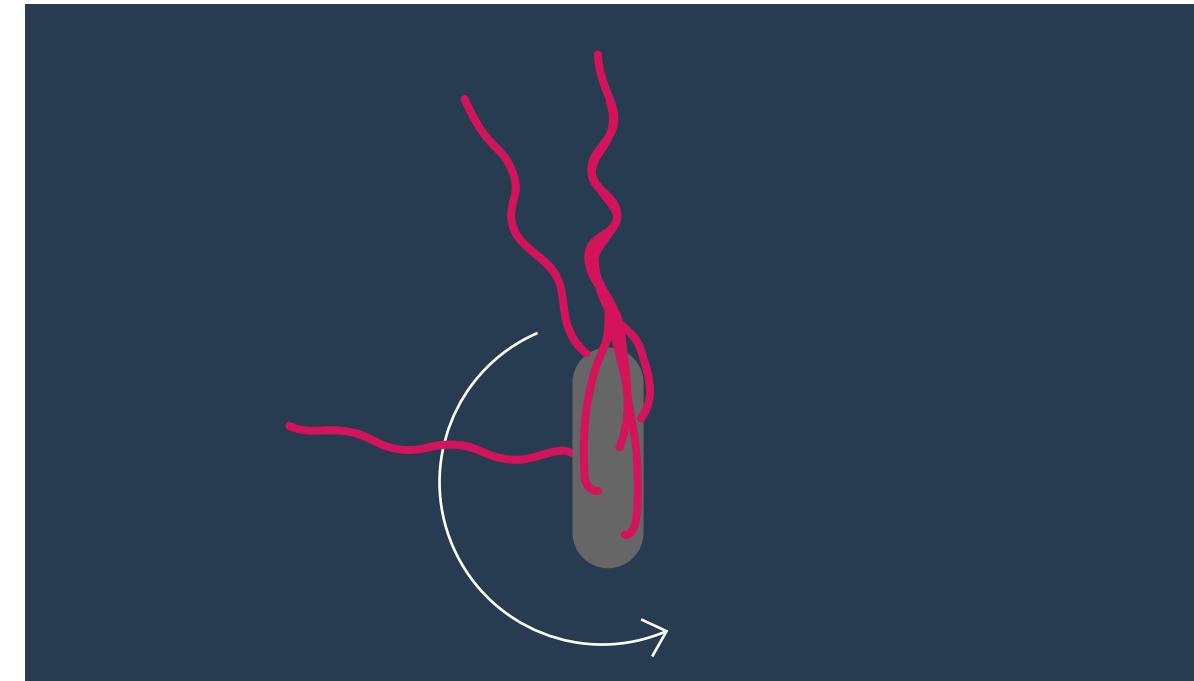
1.17
Animation: Move camera to another motor rotating CCW



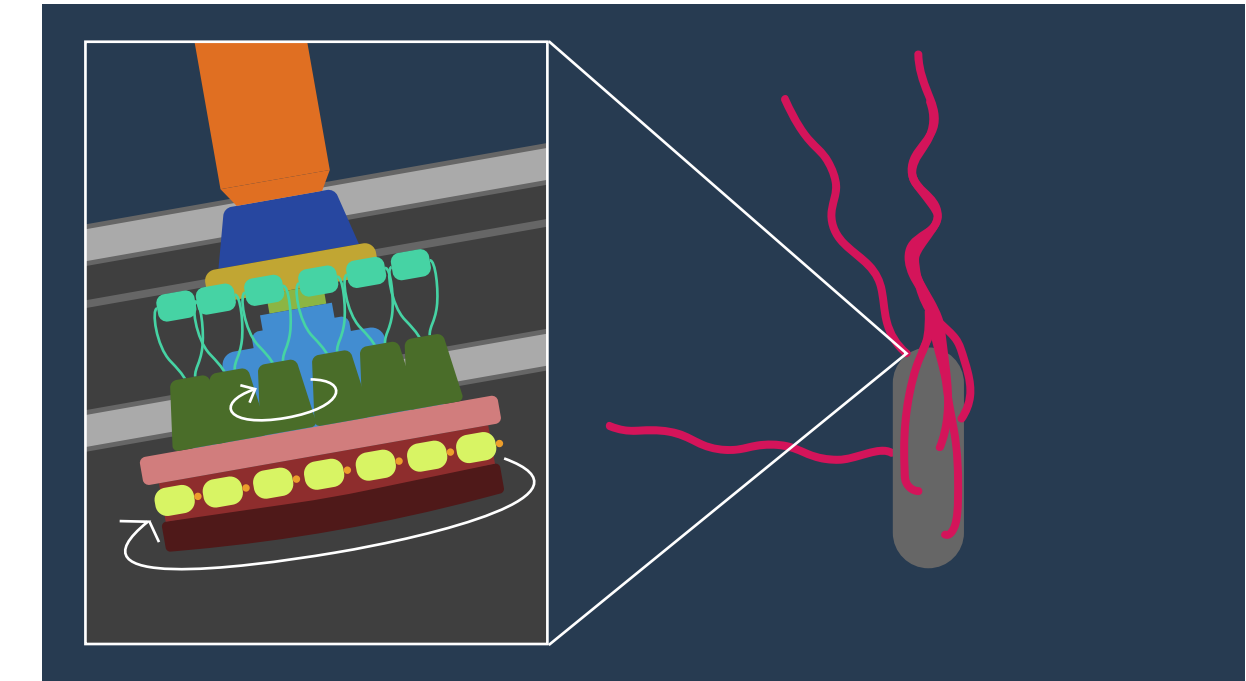
1.18
Animation: CheY-Ps attach to the motor's FliMs, changing the rotation to CW



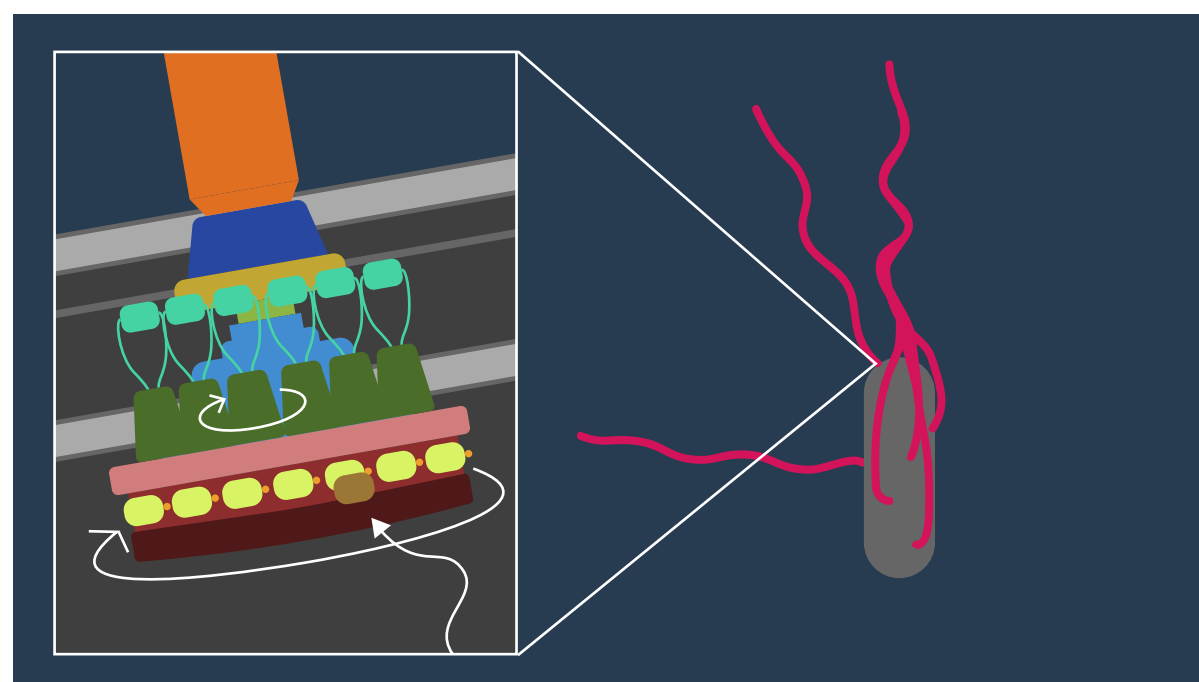
1.19
Animation: Another CW filament unravels



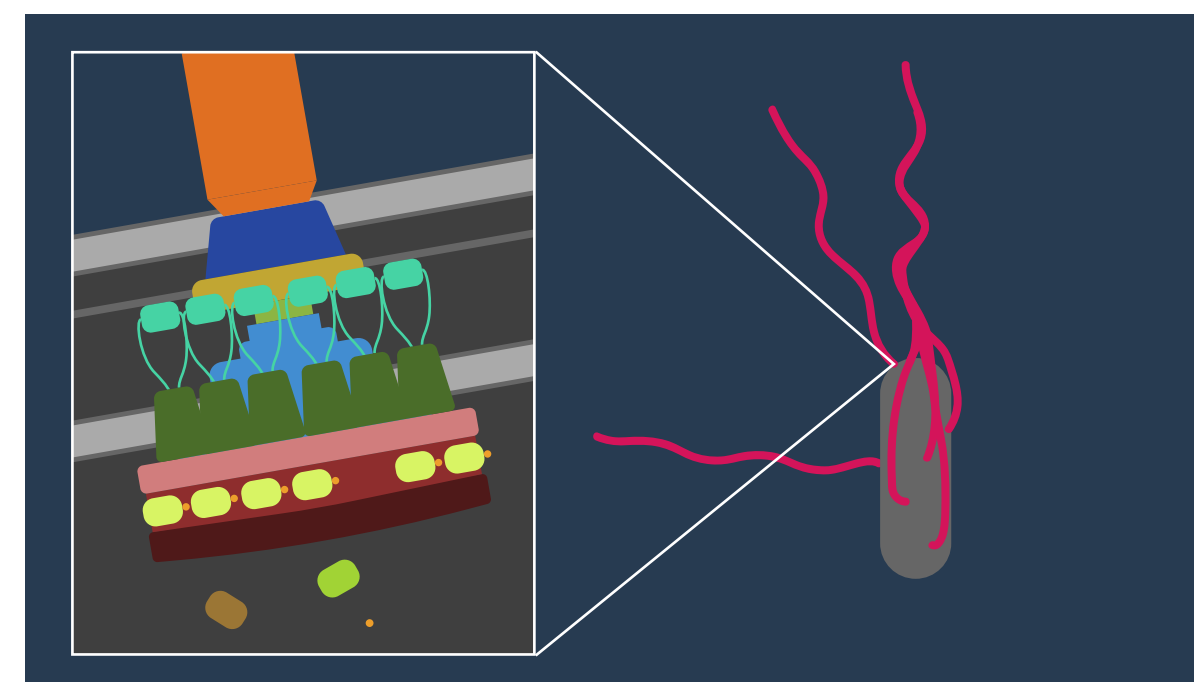
1.20
Animation: Cropped motor disappears.
The rest of the CCW motors change to CW,
splaying apart the flagellar bundle



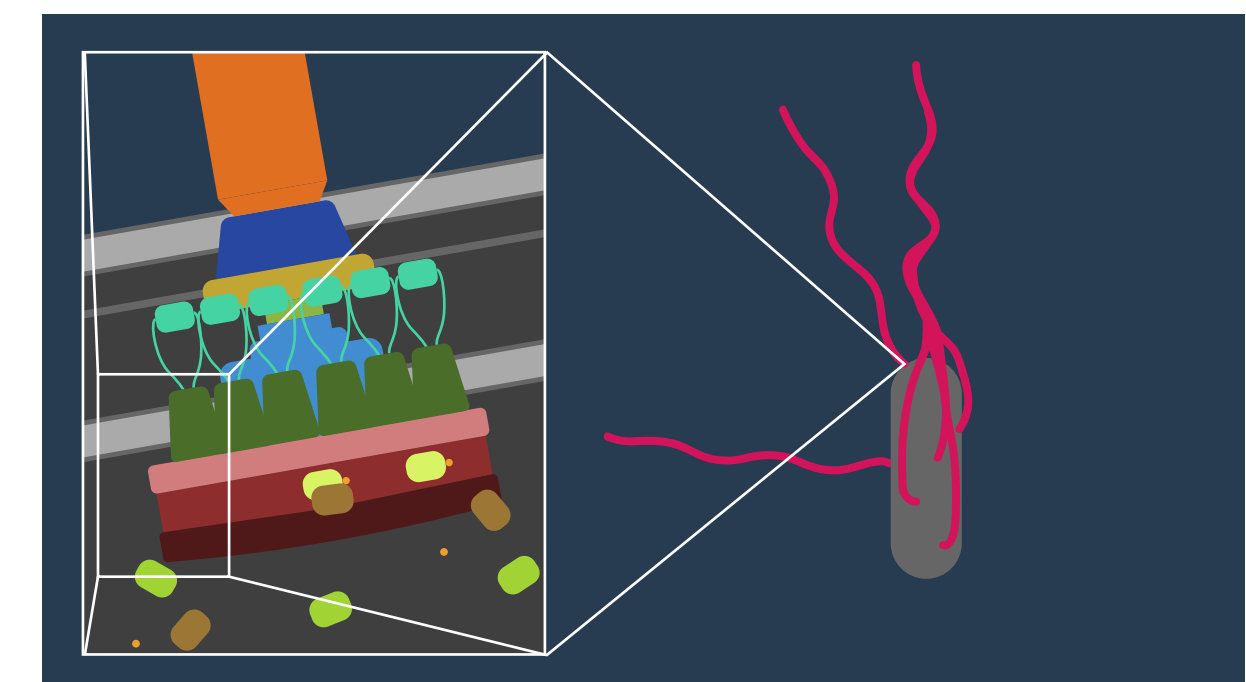
1.21
Animation: Crop and move motor to the
left side. Right side - cell in tumble state



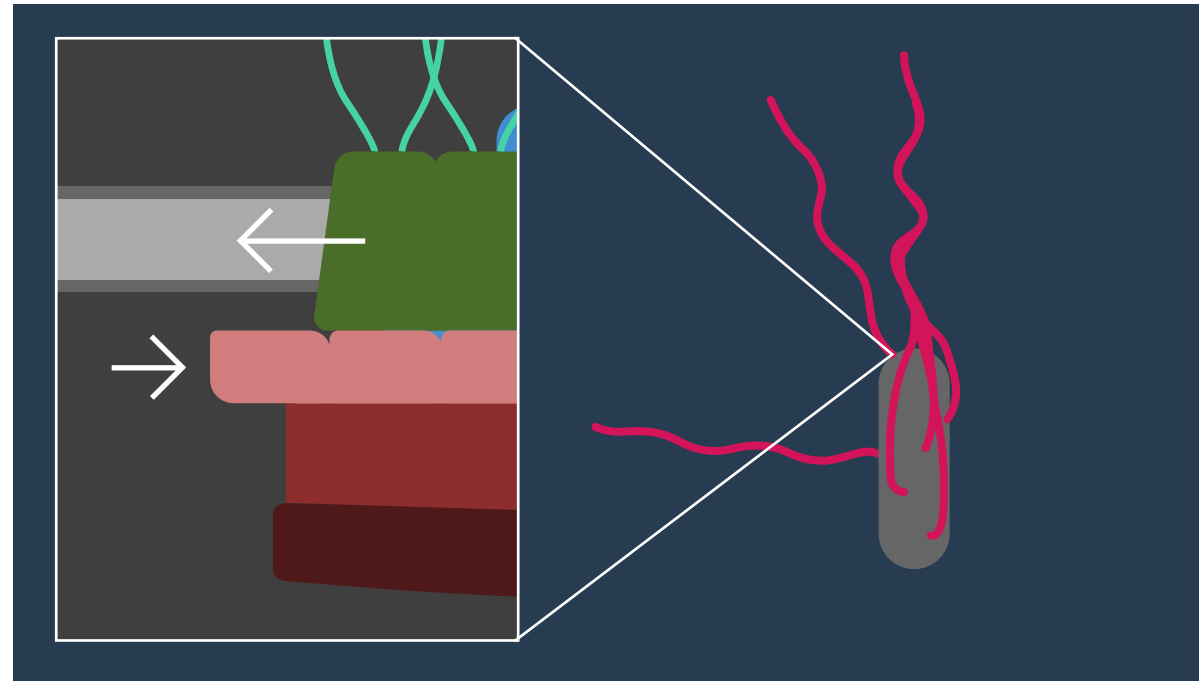
1.22
Animation: Proteins start binding to
CheY-Ps



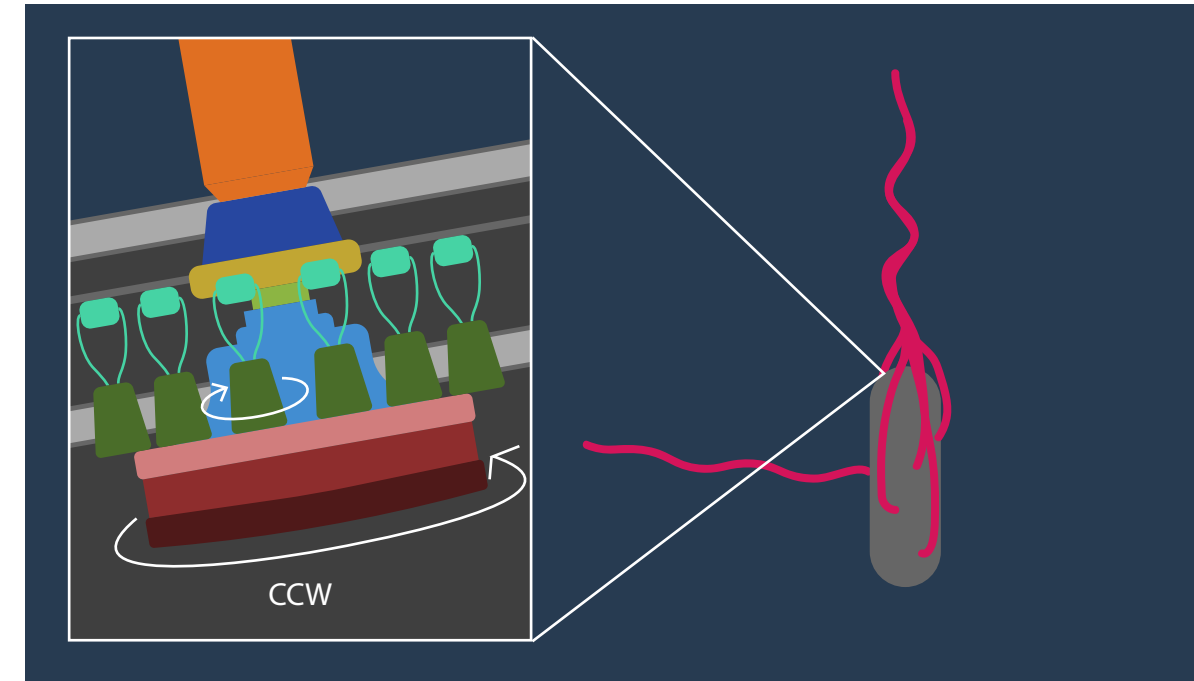
1.23
Animation: CheYs, phosphate groups, and
proteins start dettaching



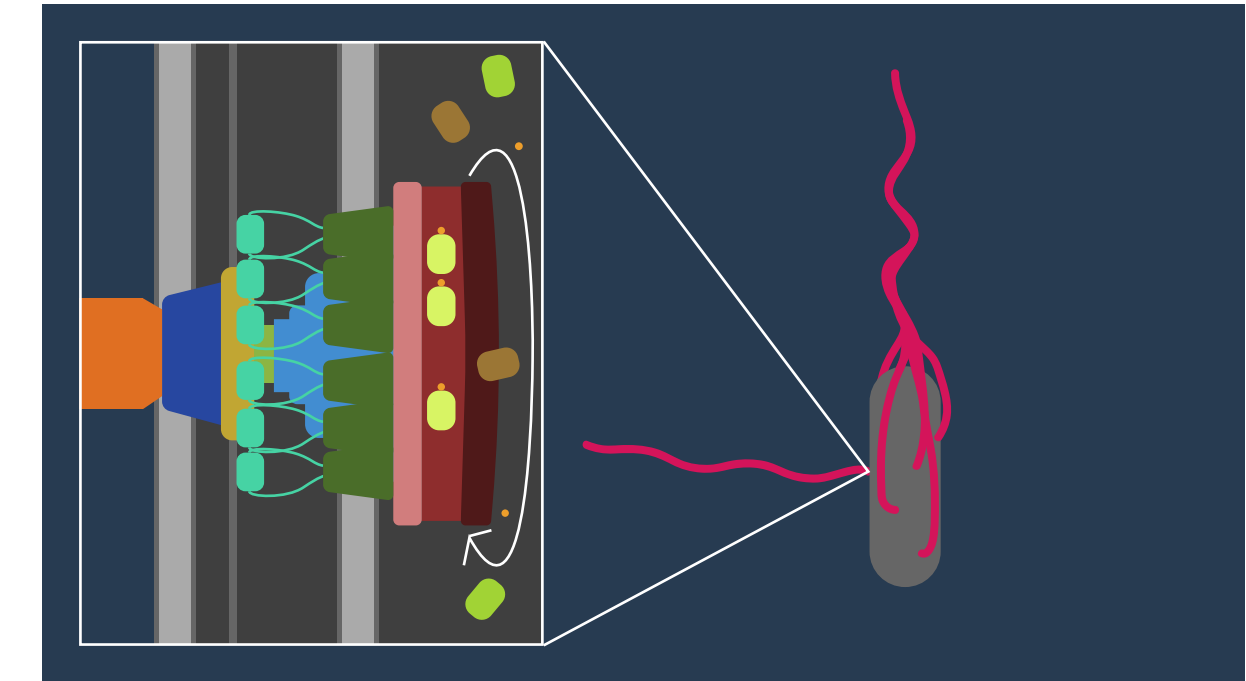
1.24
Animation: Zoom in to FliG-MotA interface



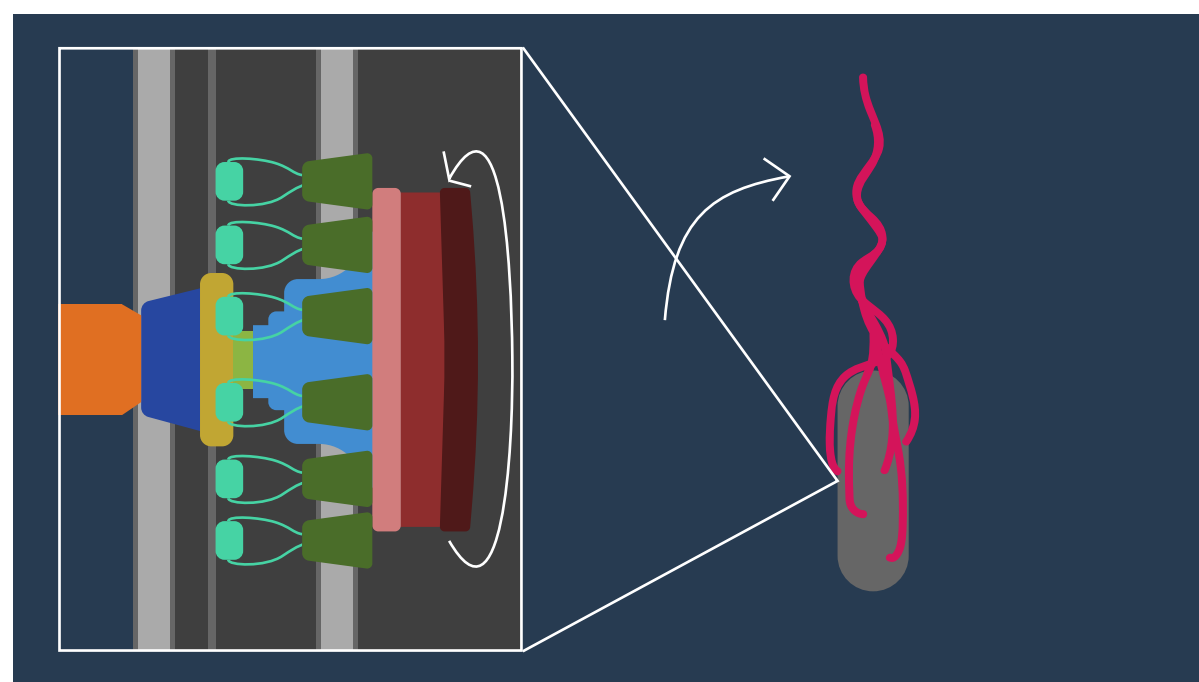
1.25
Animation: FliG changes conformation, stators move outward to interact with FliG's inner domain



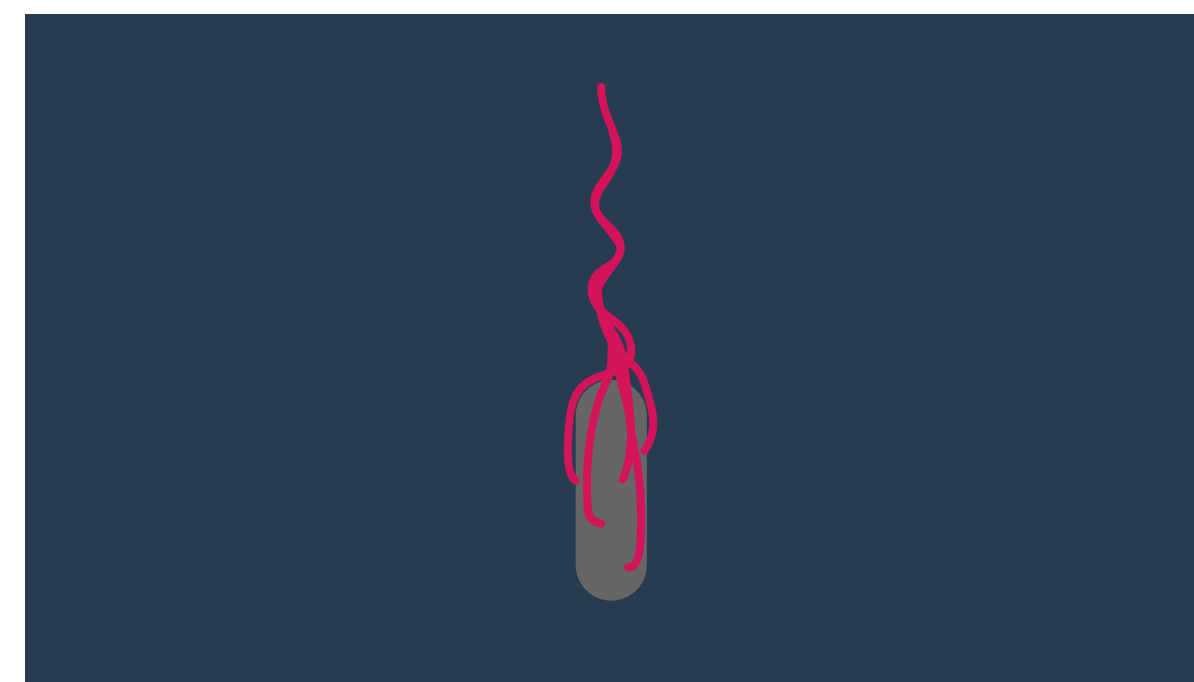
1.26
Animation: Zoom out to see motor rotating CCW



1.27
Animation: Move camera to another motor rotating CW with CheY-Ps detaching



1.28
Animation: CheY-Ps detach, changing the rotation to CW



1.29
Animation: Cropped motor disappears. The rest of the CW motors change to CCW, re-forming the flagellar bundle

