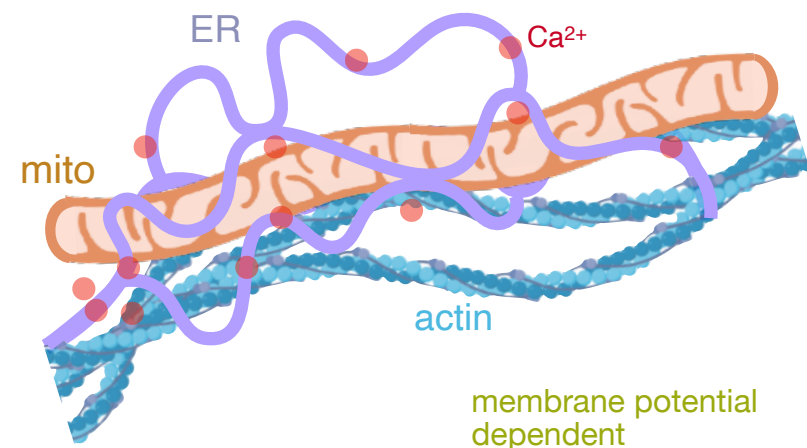
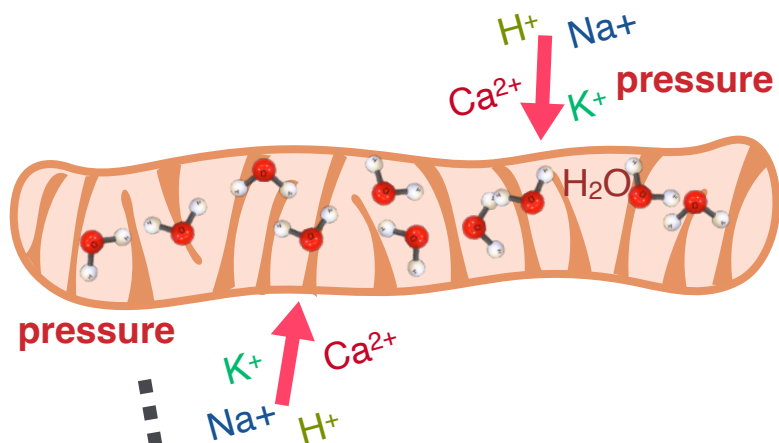


A Pressure mediated (internal)

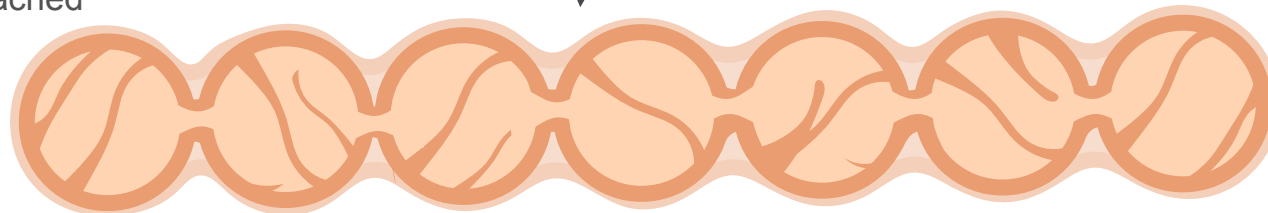
Step #1: contact sites introduce ionic flux



Step #2: Ionic flux causes osmotic pressure

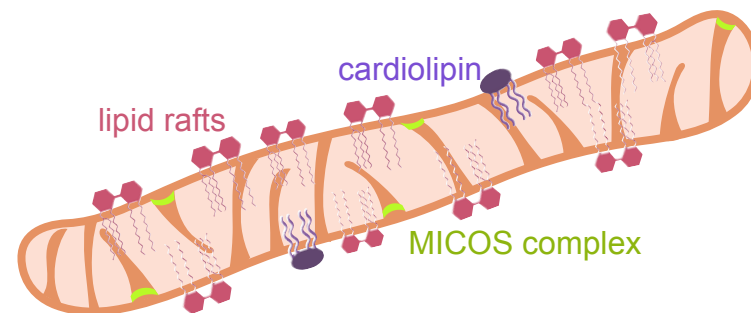


Step #3: pearling instability reached

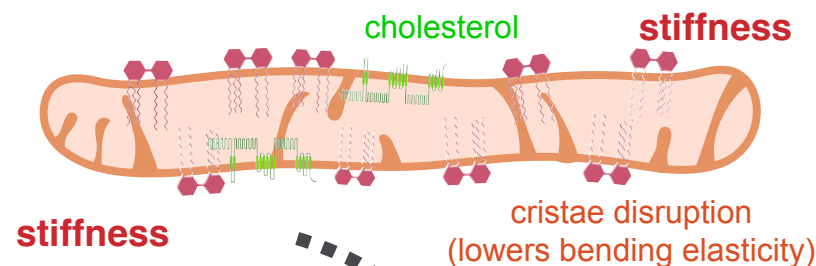


B Elasticity mediated

Step #1: membrane turnover or ultrastructure alters elastic flexibility

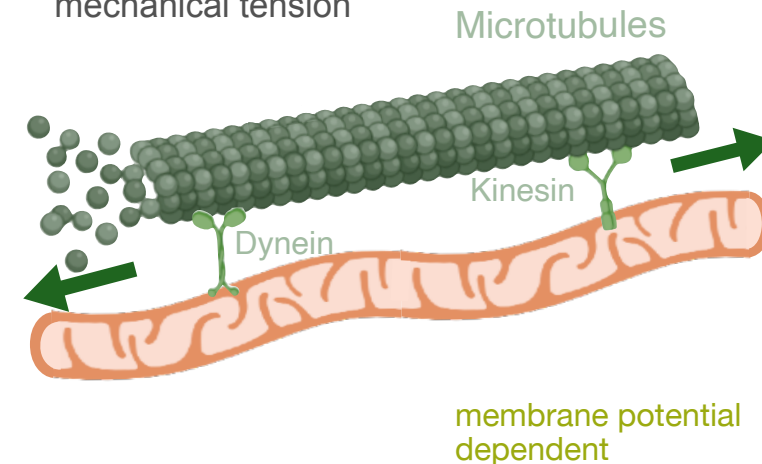


Step #2: membrane resistance can no longer support tension on the tubule



C Tension mediated (external)

Step #1: molecular motors introduce mechanical tension



Step #2: tension surpasses elasticity of membrane

