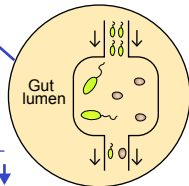
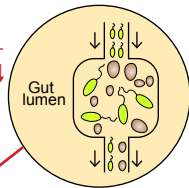
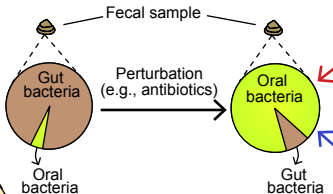
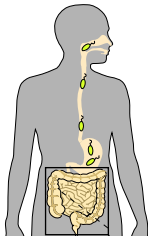


### *Driver hypothesis*

$$\text{Oral bacterial fraction} \uparrow = \frac{\text{Oral bacterial load} \uparrow}{\text{Oral bacterial load} \uparrow + \text{Gut bacterial load} \downarrow}$$



### *Marker hypothesis*

$$\text{Oral bacterial fraction} \uparrow = \frac{\text{Oral bacterial load} \uparrow}{\text{Oral bacterial load} \uparrow + \text{Gut bacterial load} \downarrow}$$

