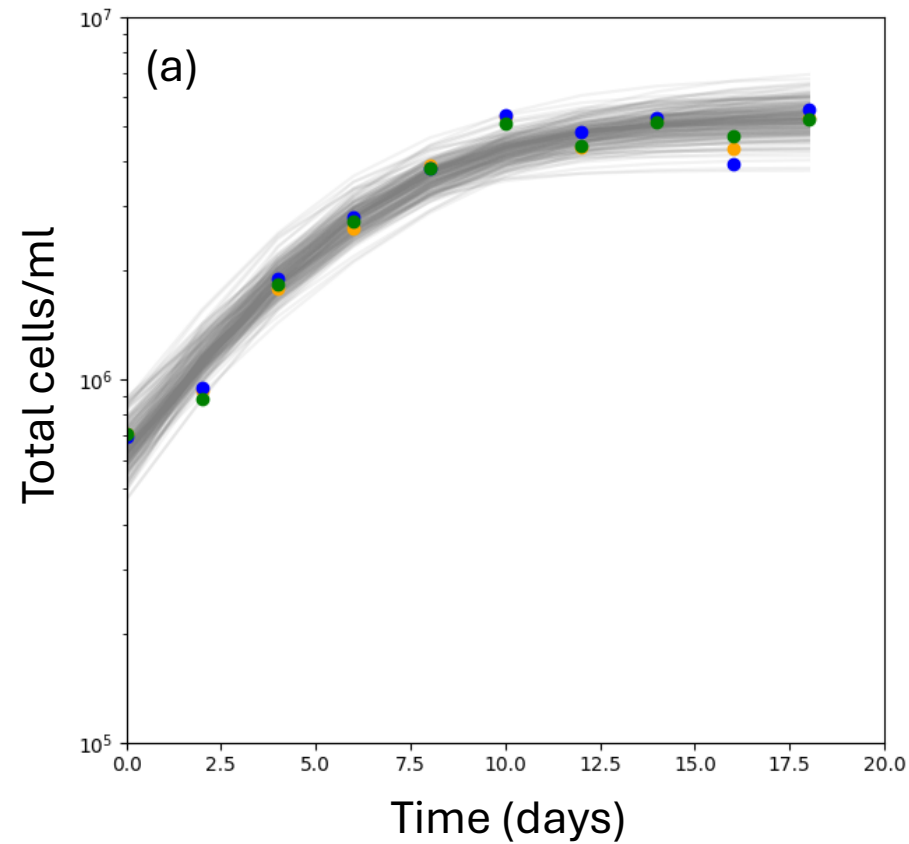


Logistic equation

$$\frac{dP}{dt} = \mu P \left(1 - \frac{P}{K} \right)$$

P

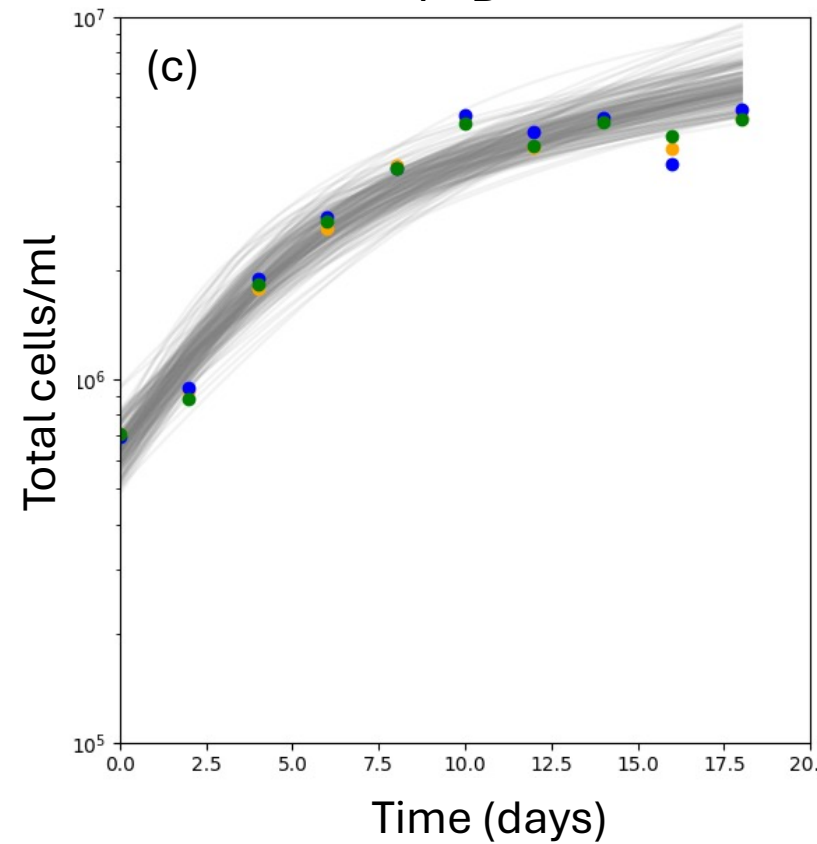


Logistic equation with death

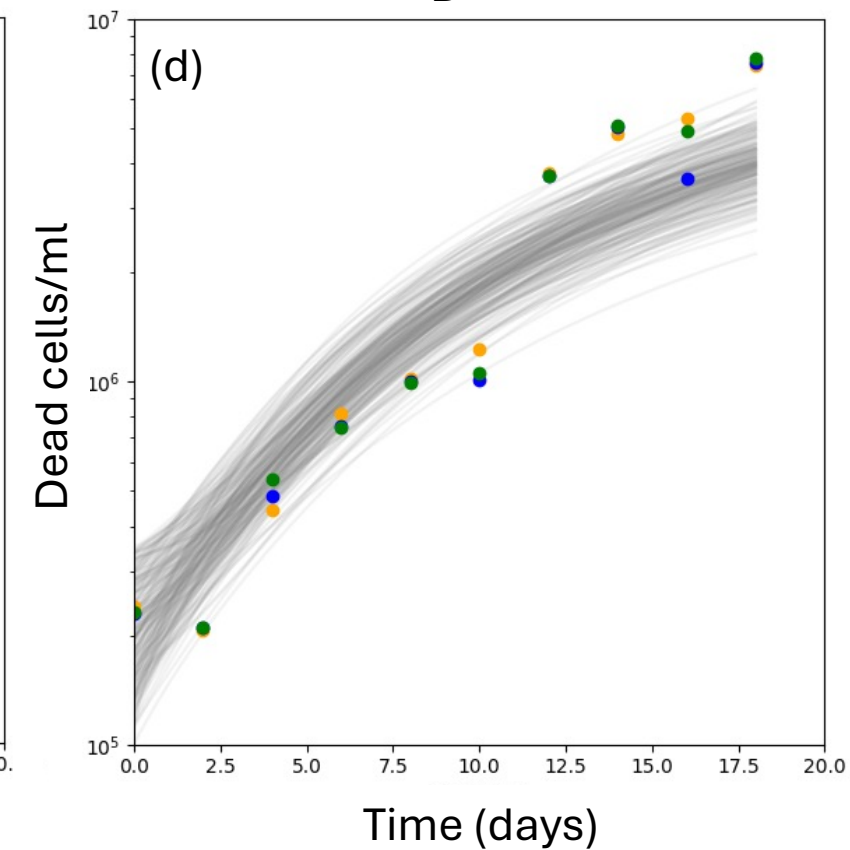
$$\frac{dP}{dt} = \mu P \left(1 - \frac{P}{K} \right) - \delta P$$

$$\frac{dD}{dt} = \delta P$$

P+D



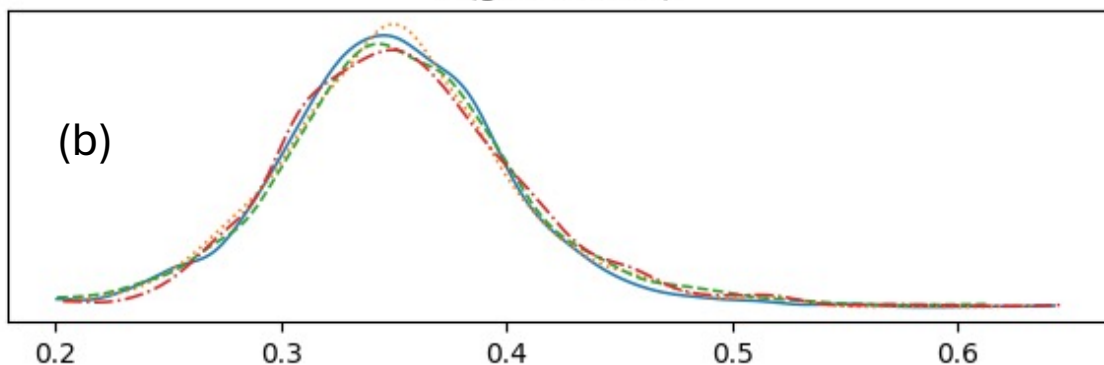
D



r (growth rate)

(b)

r (cells/day)



r (growth rate)

(e)

r (cells/day)

