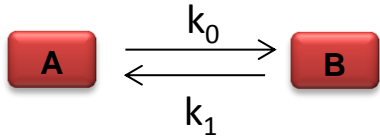
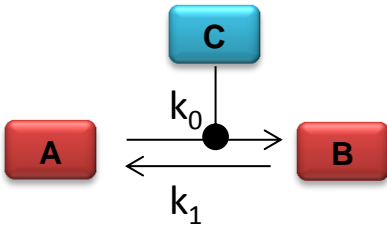


Mass action law:

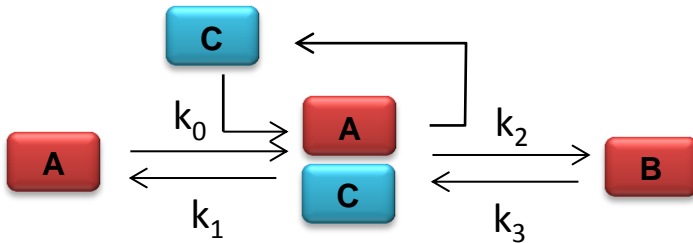


$$\frac{d[B]}{dt} = k_0[A] - k_1[B] \quad (1)$$



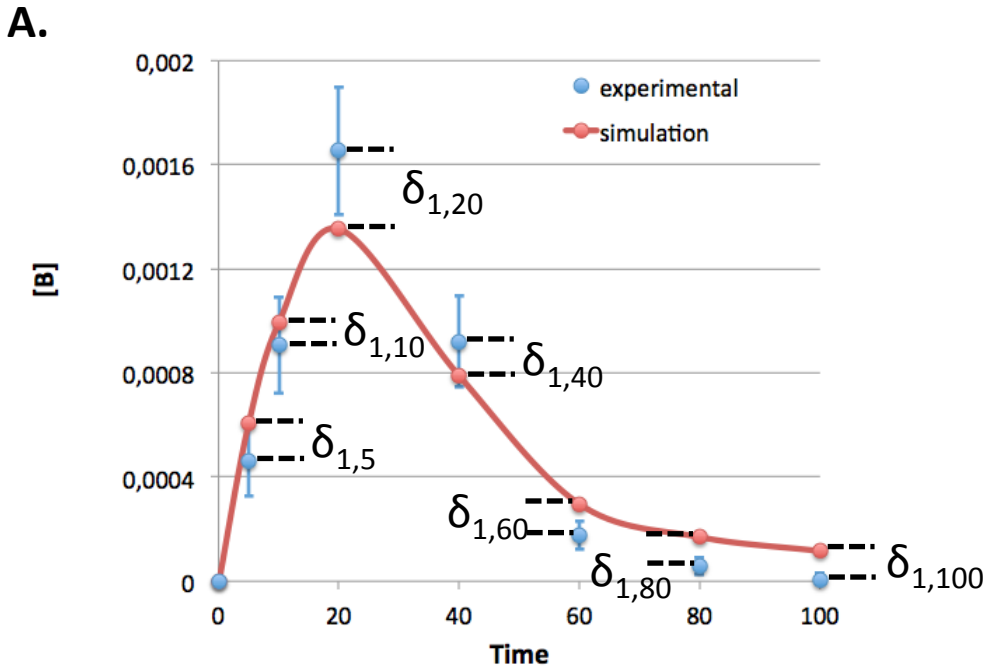
$$\frac{d[B]}{dt} = k_0 \cdot [A][C] - k_1[B] \quad (2)$$

Mickaëlis-Menten:



$$\frac{d[B]}{dt} = \frac{1}{k_1 + k_2} (k_2 k_0 [A][C] - k_1 k_3 [B]) \quad (3)$$

Figure 2



Global error = $f(\delta_i, t)$

- i : observed molecule
- t : time point

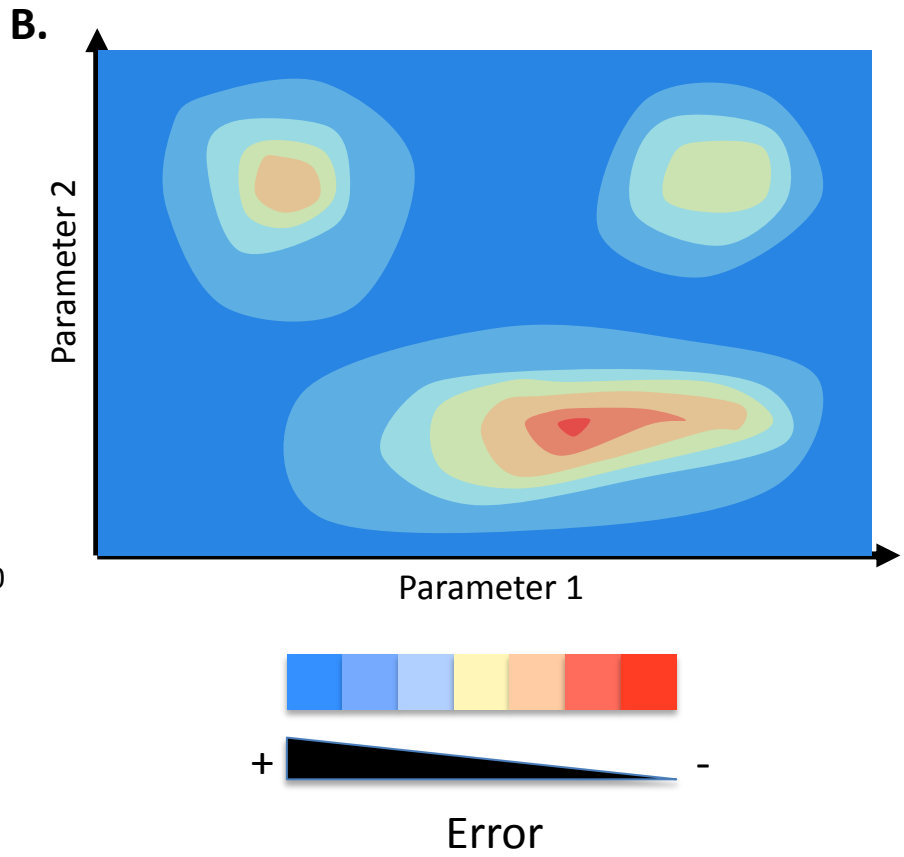


Figure 3