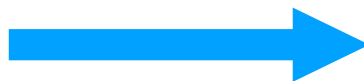


Pore block model

$$B_{ion} = \frac{1}{1 + \left(\frac{C}{IC_{50}}\right)^h}$$

1

calculate



repeat for each  
channel (*ion*)

Channel conductance

$$g_{ion} \rightarrow \alpha \cdot g_{ion}, \quad \alpha = 1 - B_{ion}$$

2

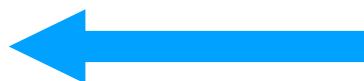
simulate



Calcium transient

3

simulate



LV features

repeat for different  
drug concentrations (*C*)

4

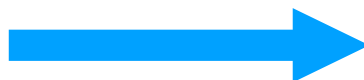
collect



LV features  
dose-response curves

5

compare



repeat for all  
drugs

Model and  
experimental data  
comparison