

eNa
gNa
ek
gK
el
gL

Core currents vary across neurons

Abstract Neuron	
Construct <code>__init__(self, g, el)</code>	
a*	
func()	
delta(V, current V)	
g*	
g * (V - el)	

Leaky	
el	
gL	

Gated Current	
a*	
g*	
List+Gates*	

Construct <code>__init__(self, g, el)</code>	
func()	
delta(V, current V)	
gate based function	

Gate	
Construct <code>__init__(self, G)</code>	
G	
func()	
deltaGate(current V)	

Time Gates?	
G	

Construct <code>__init__(self, G)</code>	
func()	
deltaGate(current V)	
Weird V equations	

Standard Gate	
a	
b	
G	

Construct <code>__init__(self, a, b, G)</code>	
func()	
deltaGate(current V)	
$a(V) * (1 - G) - b(V) * G$	

m	
n	
h	

Different gating across

Receptor	
a	
b	
G	
NT	

Construct <code>__init__(self, a, b)</code>	
func()	
deltaGate(current NT)	
$a(V) * (1 - G) - b(V) * G$	