We can use these RLC circuit models to predict influences on neural resonance:
1. In **current clamp**, a current is first injected into the cell.

2. Changes to the voltage across the membrane are measured.

Impedance = \( \frac{\text{Voltage (V_m)}}{\text{Current (I_m)}} \)
We can use these RLC circuit models to predict influences on neural resonance:

1. Mimic current clamp by passing an alternating current across the cell membrane
2. Measure the voltage across the membrane
We can use these RLC circuit models to predict influences on neural resonance:

Mimic current clamp by:
1. Passing an alternating current across the cell membrane
2. Measuring the voltage across the membrane

Change one of these:
Electrodes to:
1) apply current
2) measure voltage

Extra parts

Resistor
Inductor
Capacitor