## **Resource Summary Report**

Generated by NIF on May 17, 2025

# **Neuromembrane Simulator**

RRID:SCR\_015241

Type: Tool

### **Proper Citation**

Neuromembrane Simulator (RRID:SCR\_015241)

#### Resource Information

URL: <a href="https://neuromembrane.ualberta.ca">https://neuromembrane.ualberta.ca</a>

**Proper Citation:** Neuromembrane Simulator (RRID:SCR\_015241)

**Description:** Simulator to help students understand basic properties of excitable membranes, particularly ion flow across an excitable membrane. The simulator is based on the equations developed by Alan Hodgkin and Andrew Huxley following their research on the excitability properties of the squid giant axon.

Resource Type: software resource, software application, simulation software

**Keywords:** action potential, excitable membrane, membrane simulator

**Funding:** 

Availability: Open source

Resource Name: Neuromembrane Simulator

Resource ID: SCR\_015241

**Record Creation Time:** 20220129T080324+0000

Record Last Update: 20250513T061629+0000

### Ratings and Alerts

No rating or validation information has been found for Neuromembrane Simulator.

No alerts have been found for Neuromembrane Simulator.

### Data and Source Information

Source: SciCrunch Registry

## **Usage and Citation Metrics**

We found 1 mentions in open access literature.

**Listed below are recent publications.** The full list is available at NIF.

Dragly SA, et al. (2017) Neuronify: An Educational Simulator for Neural Circuits. eNeuro, 4(2).