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Neurons In Action: Computer Simulations with NeuroLab

Neurons In Action: Computer Simulations with NeuroLab By John W. Moore and Ann E. Stuart 2000. Sinauer. Neurons in Action was developed by Drs. John W. Moore and Ann E. Stuart. Dr. Moore is a co-author of NEURON, a powerful simulation environment that models neurons based on the equations

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During action potential neurons lose some K^+ and gain Na^+ , but only prolonged trains of depolarizations result in measurable changes in the ionic concentrations. The capacity of the Na^+K^+ pump in plasma membranes is normally able to compensate for the leakage through ion channels. The function of the Na^+K^+ pump is electrogenic in nature, since for three Na^+ extruded from the cell two K^+ ...

Neurons, Action Potentials, and Synapses

R Cheung Neurons in Action MSc Bioelectronics: PGEE11106 . R Pethig MSc Bioelectronics: P03059 - Lecture 19b . R Pethig MSc Bioelectronics: P03059 - Lecture 19b

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