

The Department of Cell Biology and Neuroscience presents:

Departmental Seminar

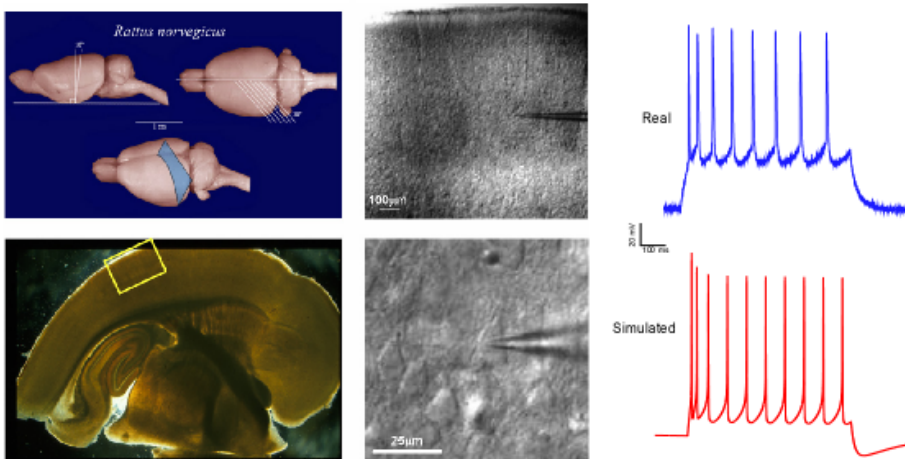
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Dept. of Neurobiology and Anatomy

Dept. of Biomedical Engineering

“Whiskers, Neurons and Networks”



Friday, Sept. 5, 2008
2:00pm
108 Plant Bioscience

Rodents use their whiskers to detect and discriminate different stimuli, relying on the velocity of whisker deflection which in turn generates different temporal distributions of input to somatosensory cortex. The properties of single neurons and cortical networks combine to select for specific distributions of input. Here we describe the causal basis of this selectivity in single neurons and networks using *in vitro* whole cell dynamic clamp recordings and computational simulations.