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Neuron detectors: electrical and optical interactions with neural networks.

Monday 11 September 2017 11:05 (45 minutes)

Neurons in the brain interact with each other through electrical and chemical signals. These interactions determine how the brain detects and processes information. Simultaneous detection of the activity of many neurons is crucial for understanding the brain function. I will describe electrical and optical methods of interacting with neural networks developed with SCIPP's participation. I will also discuss some of the neuroscience findings obtained with the developed methods.

Presenter: Prof. SHER, Alexander (UCSC)

Session Classification: Invited Talk