The Lab for Understanding Neurons

Biography
Read more [1] >

Research

- Information processing and computation in cortical neurons
- Synaptic learning and plasticity rules in dendritic trees
- Design principles for synaptic inhibition in dendrites (New)
- Functional modules in neuronal sensory processing (New Max Planck Center at Hebrew University, with T. Bonhoeffer, A. Borst, B. Sakmann (MPI) and A. Mizrahi, H. Sompolinsky, ELSC)
- Processing of visual and somatosensory information in realistic cortical networks (with K. Martin and B. Sakmann)
- Computer simulations of cortical circuits (with H. Markram)

- Our Research is supported by generous grants from the ONR [2], NIMH [3], BSF [4], and the ISF [5] and by the Blue Brain Project [6]

Read more [7] >

UPCOMING EVENTS

Learn more about our exciting upcoming events!

read more

Studying at ELSC

Our Int'l Ph.D. program provides outstanding students with top-notch courses in computational neuroscience.

read more

The Building
The Jerusalem Brain Sciences Building will provide a state-of-the-art research and teaching facility for the Edmond and Lily Safra Center for Brain Sciences.

Get into our media channel and investigate ELSC's latest videos: seminars, public lectures, courses and video articles.

Source URL: https://elsc.huji.ac.il/segev/home

Links:
[1] https://elsc.huji.ac.il/segev/biocv
[7] https://elsc.huji.ac.il/segev/documents