

Anan Moran Lab

Linking neurons and behavior

Department of Neurobiology

Sagol School of
NEUROSCIENCE
Tel Aviv University

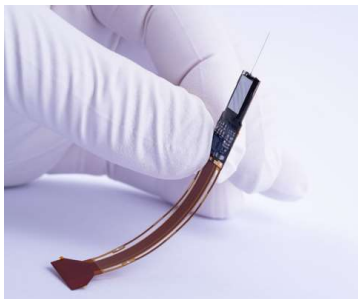
M.sc, Ph.D and Post positions are available!

How memory and learning shape the activity and structure of the neuronal network?

How brains reach decisions using the chaotic and unreliable neurons?

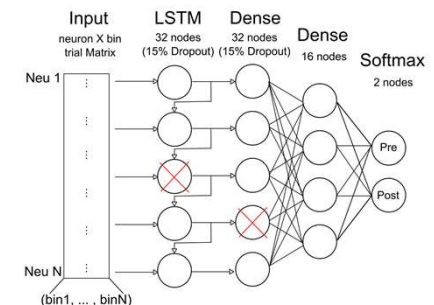
In the lab we analyze the dynamics of *in-vivo* recorded neuronal networks to answer these questions.

We are looking for enthusiastic PhD and MSc student with backgrounds in Mathematics, Computer science, and Biology



Current funded projects include :

- Study of the gradual changes in the neuronal activity in freely behaving rats that support learning via multi-electrode recording apparatus.
- Reveal the changes in the network architecture (over hundreds of neurons) that underlie conditioning learning.
- Explore the neuronal activity abnormalities that exist in early, pre-clinical, stages in a rodent model of Alzheimer's disease



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