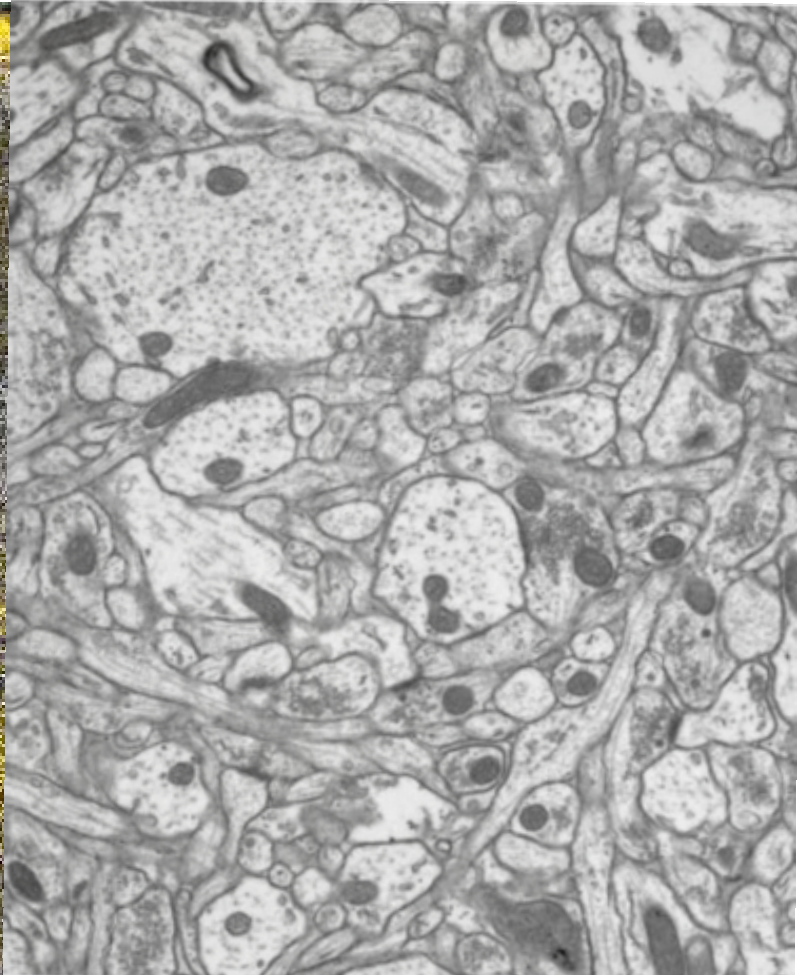
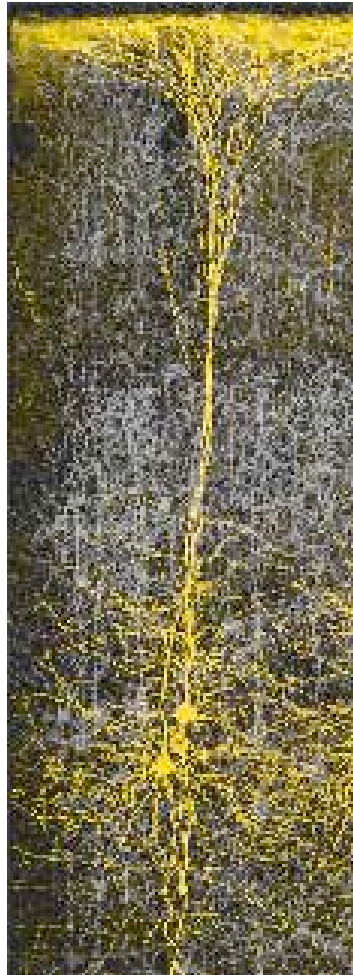
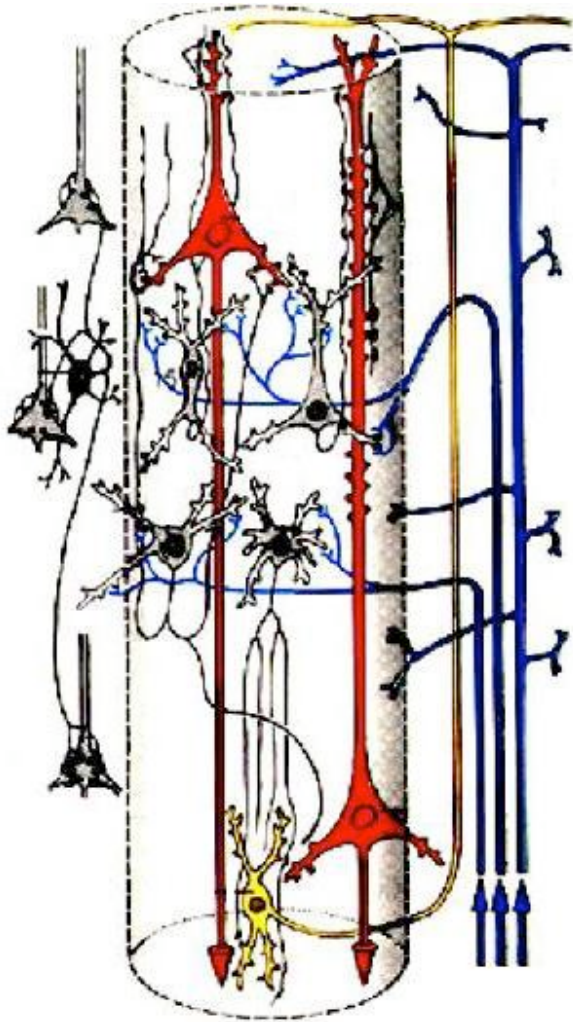
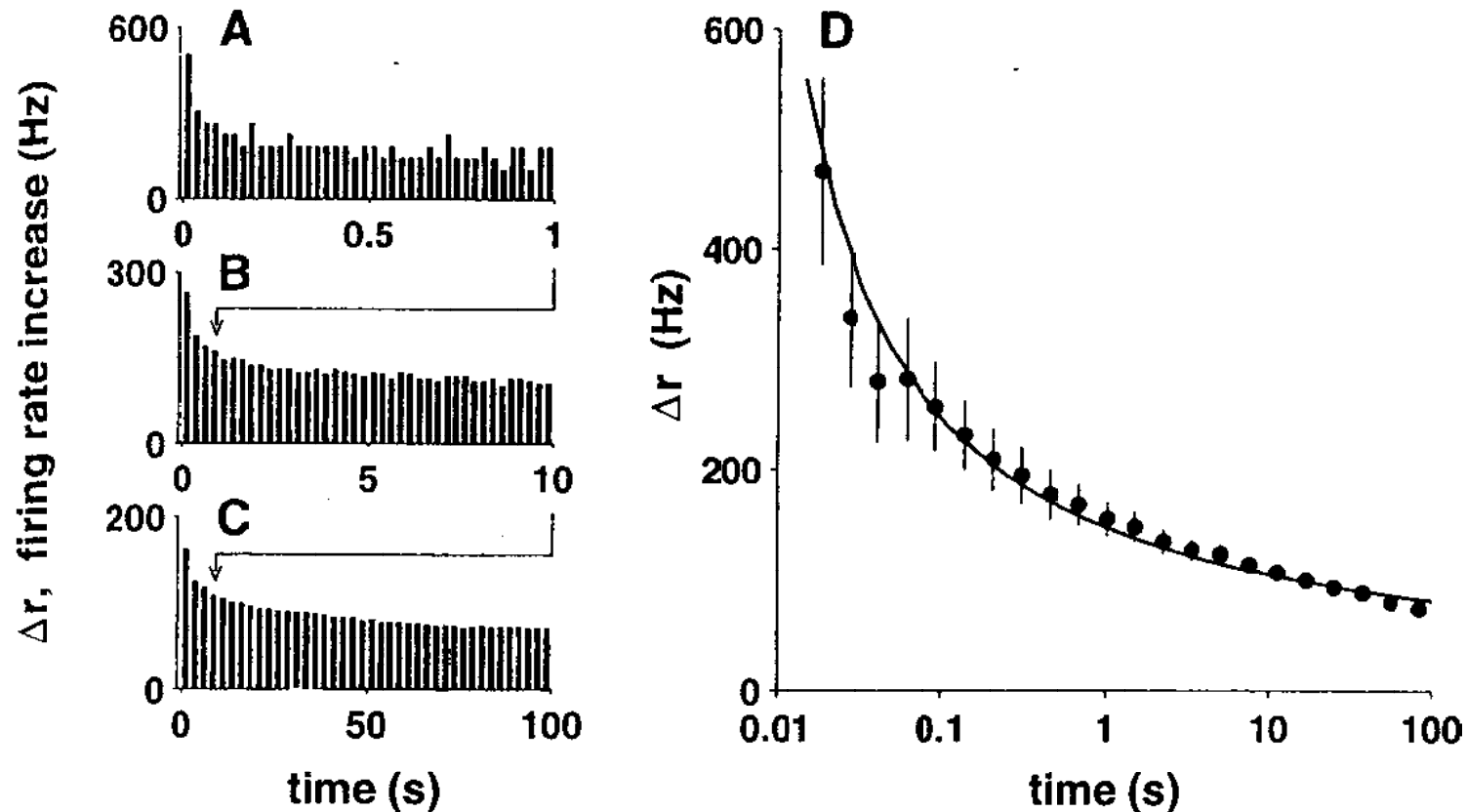


## Connectivity and Architecture of a Cortical Column:

New techniques will allow us to characterize the pattern of connectivity and distribution of synaptic efficacies in large neuronal circuits with greatly expanded precision.



**Multi-Timescale Dynamics:** Neural circuits change over time scales ranging from milliseconds to years. This corresponds to a novel type of dynamics with both short- and long-term memory effects.



Xu, Payne & Nelson (1996)