

the synaptic organization of pdf

In neuroscience, synaptic plasticity is the ability of synapses to strengthen or weaken over time, in response to increases or decreases in their activity.. Since memories are postulated to be represented by vastly interconnected neural circuits in the brain, synaptic plasticity is one of the important neurochemical foundations of learning and memory (see Hebbian theory).

Synaptic plasticity - Wikipedia

It is widely accepted that the synapse plays a role in the formation of memory.As neurotransmitters activate receptors across the synaptic cleft, the connection between the two neurons is strengthened when both neurons are active at the same time, as a result of the receptor's signaling mechanisms.

Synapse - Wikipedia

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6 Children & neurodevelopmental behavioural intellectual disorders Cortex maturation from ages 5 to 20 years: "synaptic pruning" of unused neural connections

Children & neurodevelopmental disorders

136 CHAPTER 8 Algae and cyanobacteria in fresh water The term algae refers to microscopically small, unicellular organisms, some of which form colonies and thus reach sizes visible to the naked eye as minute green

CHAPTER 8 Algae and cyanobacteria in fresh water

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Artificial Intelligence - IBM Research

Measurement in Biomedicine M. Teplan dominant part of the central nervous system. The cerebrum obtains centres for movement initiation, conscious awareness of sensation, complex analysis, and expression of emotions and behaviour.

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