

PRIMA BUSTA

- 1) Che cosa si intende per mRNA poliadenilato?
- 2) Differenze tra membrane e sinaptosomi
- 3) Il ruolo del Rettore nelle Università statali
- 4) Prova di inglese:

Synapsins are highly abundant presynaptic proteins that play a crucial role in neurotransmission and plasticity via the clustering of synaptic vesicles. The synapsin III isoform is usually downregulated after development, but in hippocampal mossy fiber boutons, it persists in adulthood. Mossy fiber boutons express presynaptic forms of short- and long-term plasticity, which are thought to underlie different forms of learning.

SECONDA BUSTA

- 1) Quali caratteristiche fornisce al mRNA la poliadenilazione?
- 2) Cosa si intende per acqua distillata
- 3) Il ruolo del Senato accademico nelle Università statali
- 4) Prova di inglese:

Previous research on synapsins at this synapse focused on synapsin isoforms I and II. Thus, a complete picture regarding the role of synapsins in mossy fiber plasticity is still missing. Here, we investigated presynaptic plasticity at hippocampal mossy fiber boutons by combining electrophysiological field recordings and transmission electron microscopy in a mouse model lacking all synapsin isoforms. We found decreased short-term plasticity, i.e., decreased facilitation and post-tetanic potentiation, but increased long-term potentiation in male synapsin triple knock-out (KO) mice.

TERZA BUSTA

- 1) Quali sono le caratteristiche dei sinaptosomi
- 2) Quali sono le caratteristiche dell'acqua distillata?
- 3) Il ruolo del Consiglio di Amministrazione nelle
Università statali
- 4) Prova di inglese:

At the ultrastructural level, we observed more dispersed vesicles and a higher density of active zones in mossy fiber boutons from KO animals. Our results indicate that all synapsin isoforms are required for fine regulation of short- and long-term presynaptic plasticity at the mossy fiber synapse.