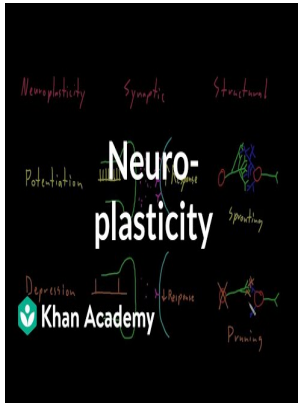


# Hippocampus - neurotransmission and plasticity in the nervous system

Nova Biomedical Books - d



Description: -

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gamma-Aminobutyric Acid -- physiology

Synaptic Transmission -- physiology

Neuronal Plasticity -- physiology

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GABA

Neuroplasticity

Neural transmission

Hippocampus (Brain) -- Physiologyhippocampus - neurotransmission and plasticity in the nervous system

-hippocampus - neurotransmission and plasticity in the nervous system

Notes: Includes bibliographical references and index.

This edition was published in 2007



Filesize: 31.91 MB

Tags: #Synaptic #Plasticity

## Pain Pathways and Nervous System Plasticity: Learning and Memory in Pain

There is suggestive evidence that may be affected by ketamine, and play a role in mediating its antidepressant effects Banerjee et al, 2016. Glutathione in the Nervous System. The weakening and pruning of unused synapses allows for unimportant connections to be lost and makes the synapses that have undergone LTP that much stronger by comparison.

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J Enzyme Inhib Med Chem, 23 3 , 302—312. Rhythms of the Brain Oxford Univ.

## The stressed hippocampus, synaptic plasticity and lost memories

The CB1 receptors in mPFC itself also appear to have roles in fear consolidation and extinction, and activation of these receptors can impair retrieval of these memories in the fearpotentiated startle paradigm.

## A new mechanism of nervous system plasticity: activity

So, the next time glutamate is released from the presynaptic membrane, it will have a larger excitatory effect EPSP on the postsynaptic cell because the binding of glutamate to these AMPA receptors will allow more positive ions into the cell. Nat Neurosci, 3 1 , 15—21. Ann Neurol, 21 4 , 331—336.

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This study exhibits that dietary MeHg may pose a potential threat to the O. The lyophilisate decreased the latency to reach the hidden platform and increased the time spent in the target quadrant in the MWM. These bursts are repeated at 5 to 8 Hz theta in trains of typically 10 bursts.

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