



Molecular Mechanism Underlying Memory Modulated by Emotions and Stress

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Message from the Guest Editor

This Special Issue aims to attract the interest of researchers who study the modulatory effect of emotions, stress and novelty on memory consolidation, retrieval and reconsolidation. The main objective is to provide a platform for the promotion of the latest discoveries regarding the cellular mechanism of the emotional enhancement of memory, circuits responsible for novelty detection and the neuromodulatory capacities of catecholamines, the endocannabinoid system, acetylcholine and glucocorticoids.

Potential topics focusing on molecule-level studies are as follows:

The role of the basolateral amygdala in the emotional modulation of memory;

The role of locus coeruleus connected to dorsal hippocampus projections in memory consolidation and novelty processing;

The effects of post-encoding stress on cellular and system consolidation;

The effects of stress on memory retrieval and reconsolidation;

The effects of cortisol/corticosterone on synaptic plasticity and gene expression in the hippocampus;

The role of the endocannabinoid system in the hippocampus and basolateral amygdala for the emotional modulation of memory;





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Message from the Editor-in-Chief

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