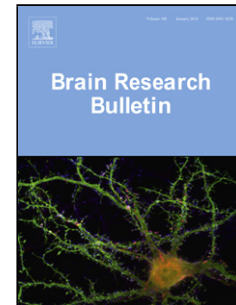


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Glial Cells Modulate Hippocampal Synaptic Plasticity in Morphine Dependent Rats

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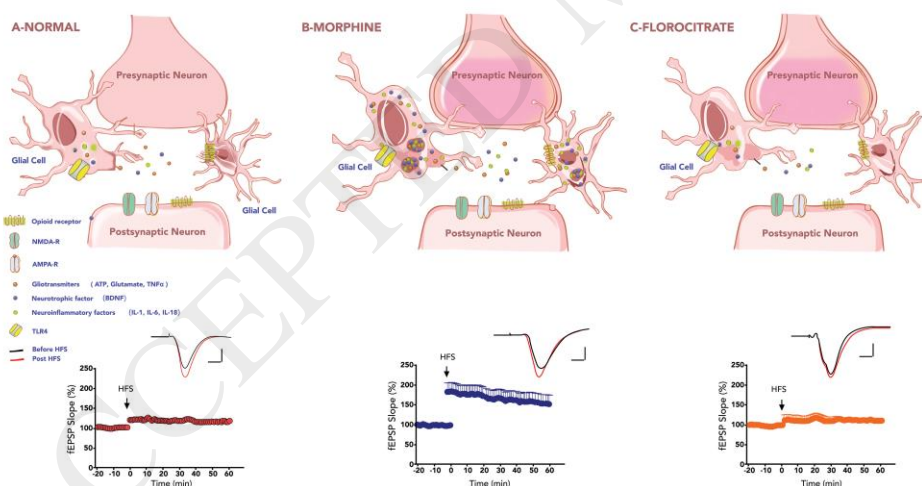
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Graphical abstract



Glial cells secrete gliotransmitters, neurotrophic, and neuroinflammatory factors that can modulate synaptic transmission and neural activity in normal conditions (A). Activation of glial cells following morphine administration can potentially mediate morphine-induced maladaptive plasticity (B). Inhibition of hippocampal glial cells (FC) prevented morphine induced synaptic plasticity (C).

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