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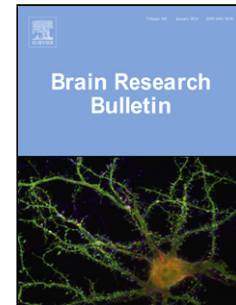
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Role of endogenous melatonergic system in development of hyperalgesia and tolerance induced by chronic morphine administration in rats

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Highlights

- Endogenous melatonergic system has role in morphine hyperalgesia and tolerance.
- Chronic morphine administration reduces serum melatonin level.
- Chronic morphine administration reduces MT1 expression in spinal dorsal horn
- Chronic morphine administration up-regulates PKC γ expression in spinal dorsal horn.

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