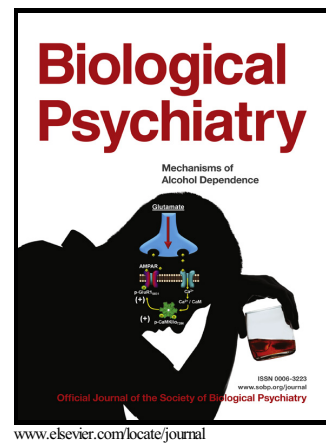


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Orexins Mediate Sex differences in the Stress Response and in Cognitive Flexibility
Orexins Mediate Sex differences in Stress Effects

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Orexins mediate sex differences in the stress response and in cognitive flexibility

Short title: Orexins mediate sex differences in stress effects

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Key words: Orexins, Sex Differences, cognitive flexibility, Stress, DREADDs, Habituation

ABSTRACT

BACKGROUND: Women are twice as likely as men to suffer from stress-related psychiatric disorders. However, the biological basis of these sex differences is poorly understood. Orexins are altered in anxious and depressed patients. Using a rat model of repeated stress, we asked whether orexins contribute to sex differences in outcomes relevant to stress-related psychiatric

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