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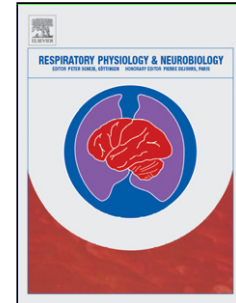
Title: Hypoglossal motoneurons are endogenously activated by serotonin during the active period of circadian cycle

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Hypoglossal motoneurons are endogenously activated by serotonin during the active period of circadian cycle

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Short title: Nighttime activation of XII motoneurons by 5-HT

Number of words (main text, w/o title page, abstract, references, fig. legends): 4455

Number of tables: 0

Number of figures: 5 (all grayscale in print; all color in digital format)

Number of references: 43

Highlights Hypoglossal nerve innervates the tongue and protects the upper airway from collapse.

Serotonin 2 receptors (5-HT₂) may importantly drive hypoglossal (XII) motoneurons.

We found a strong, wake-related, 5-HT₂ receptor-mediated drive in rat XII motoneurons.

This drive is evident during the active period of the circadian cycle (night in rats).

Number of words in the abstract: 184

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