The Journal of Neuroscience

The Official Journal of the Society for Neuroscience

August 1993
Volume 13 Number 8

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Cover picture: *Slow sleep oscillations in interacting corticothalamic networks.* Three intracellularly stained cells (in yellow) from *in vivo* experiments on cats: pyramidal-shaped neuron in the cerebral cortical association area 7 (*top*); reticular thalamic neuron (*bottom left*); and thalamocortical neuron in the ventrolateral nucleus (*bottom right*). Intracellular recordings show various oscillatory patterns in cortical and thalamic neurons. Cortical cells display prolonged depolarizations recurring with a slow rhythm (0.16 Hz) as well as clock-like action potentials within the delta rhythm (1.3 Hz). Reticular thalamic cells oscillate within the frequency of the slow rhythm (0.3 Hz). Thalamocortical neurons show groups of delta potentials (2.5 Hz) every 3 seconds. See Steriade et al., pp. 3252–3265, pp. 3266–3283, and pp. 3284–3299.

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