NEUROSCIENCE SEMINAR SERIES

CRiN

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Learning-dependent cholinergic plasticity reconfigures cortical circuit dynamics

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h 14:00

Aula Cerquiglini - CU027

Abstract

Animals regularly learn to associate sensory cues with salient outcomes. In mice, fear conditioning induces a significant increase in visually evoked cortical activity mediated by an experience-dependent enhancement of acetylcholine release in V1. Cholinergic plasticity represents a novel mechanism for learning-dependent reconfiguration of cortical networks.

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