

5th Barcelona Lecture Series in

Brain, Cognition & Behaviour



Lluís Fuentemilla Garriga

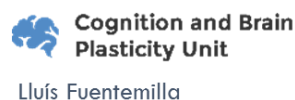
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Shaping the unfolding experience into a memory code

Although our ability to transform the encounter of an event episode into a permanent memory trace stands out as one of the most necessary of mental processes, the underlying brain mechanisms still remain poorly understood. This talk will outline emergent findings emphasizing the role of memory reactivation as a brain mechanism that helps address this computational challenge. The talk will cover research on healthy population and neurological patients, combined with EEG/MEG recordings, to guide and document the relevance of memory reactivation during working memory maintenance, memory recollection and sleep consolidation. Leveraged by the possibility that memory reactivation emerged as a mechanism bridging early stages of memory transformation and long-term memory representation, the talk will finally highlight recent data indicating that the rapid memory reactivation of the just encoded sequence of episodic events influences how experience is carved and represented in long-term memory.

Date: Thursday, 18 May 2017**Hour: 15:00****Place: Sala de Graus, Facultat de Psicologia, Campus Mundet**

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