



Programa de recerca en **neurociències**



From Exploration to Fixation: Towards a Unified Theory of Saccadic Function

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Most of our visual experience is driven by the eye movements we produce while we fixate our gaze. In a sense, our visual system thus has a built-in contradiction: when we direct our gaze at an object of interest, our eyes are never still. Therefore the perception, physiology, and computational modeling of fixational eye movements is critical to our understanding of vision in general, and also to the understanding of the neural computations that work to overcome neural adaptation in normal subjects as well as in clinical patients. Moreover, because we are not aware of our fixational eye movements, they can also help us understand the underpinnings of visual awareness. Over the last decade, the Martínez-Conde laboratory has studied the neuronal and perceptual correlates of fixational eye movements. They have moreover begun to study the importance of fixational eye movements for visual perception in normal vision and in visual disease. The Martínez-Conde laboratory is a main organizer of the prestigious Best Illusion of the Year Contest.

Dimecres

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de 2016

12.00h

**Sala
Marie Curie**

