UNIVERSITAT DE BARCELONA

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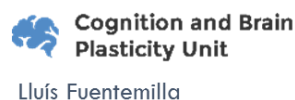## Attention through Prediction: a Two-Stage Language Learning Mechanism

Humans as other animals are predictive beings. When confronted with a new learning we not only create new memory traces but we constantly extract patterns from our stimulation. In speech, this latter mechanism is even more relevant since auditory stimulation unfolds in time and prediction of upcoming elements is critical for optimal processing. In this talk, I will present a series of studies dissecting the characteristics of this predictive mechanism and highlighting its importance in the extraction of rules in language. I will present evidence indicating that this predictive mechanism is endogenously driven but implicit. It is intimately related to goal-directed attention but can be dissociated functionally and neuroanatomically from it.

Date: **Thursday, 20 April 2017**

Hour: **15:00**

Place: Sala de Graus, Facultat de Psicologia, Campus Mundet