



Talk Dr. M. Senoussi: "Neural oscillations as an underlying mechanisms for cognitive flexibility"

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Neural oscillations as an underlying mechanisms for cognitive flexibility

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Date, venue and time: January 17th, Sala de Conferencias 1, CIMCYC, 17h.

Abstract: Oscillations are an ubiquitous phenomenon in neural and other natural systems. In the brain, they support a range of cognitive processes such as attention, memory or cognitive control. However, it remains relatively unclear how they mechanistically support some of these cognitive processes. In this talk I will present a general overview of neural oscillations, how they are measured and categorized, and some processes or pathologies they have been associated with. I will then present an example of using computational modelling to test specific hypotheses about frontal oscillations and their role in cognitive flexibility.

