



INSTITUT PARIS DESCARTES  
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**Inserm**

Institut national  
de la santé et de la recherche médicale

## Neuroscience Seminar Series

**Friday, January 18<sup>th</sup>, 2019 at 11:30**

Salle des Conférences (R229)

Centre Universitaire des Saints-Pères

45 rue des Saints-Pères, 75006 Paris

# Virginie van Wassenhove

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*NeuroSpin center Gif/Yvette, France*

## *Making sense of time in the Human mind*

*While we are all experts in “experiencing time”, introspection provides us with very little intuition regarding the neural mechanisms supporting time perception and temporal cognition. In this talk, I will discuss the importance of clocking mechanisms for the biology of the mind, and how oscillations help reframing temporalities from the perspective of the brain itself (as generator-observer of events) in opposition to that of the external observer (as information reader). I will illustrate this point by focusing on the role of oscillatory activity in low-level temporal logistics of information processing, yielding temporal order and behavioral precision. Second, I will focus on the notion that conscious timing does not linearly map onto neural timing – i.e., temporalities are represented abstractly and intelligibly - and exemplify this with recent work focused on the generative nature of the psychological time arrow (mental time travel), and the ability to introspect about one’s self-generated timing productions (temporal metacognition).*

Those interested in meeting with the speaker please contact  
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