



Wednesday, 23 August 2023, 13:00 (CET)

Wilhelm-Wundt-Room

Language Circle

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A mechanistic role for oscillations in temporal and content predictions: interactions between the when and what

Oscillations have been assigned many functional roles in the brain. On the one hand, perceptual sensitivity seems to increase when ongoing oscillations align to predicted points in a rhythmic input structure. On the other hand, oscillations could serve as a means to separate information by phase coding items on different phases of an ongoing oscillation. In the current talk I will provide evidence for both of these views as well as attempt to integrate the two functionalities in a model of speech perception. This talk will have the starting point of oscillations modulating excitability but will touch upon the consequences of this base property for many cognitive functions, starting from auditory perception, speech and its interactions with memory.



Join online:

<https://zoom.us/j/95065830000>

Meeting-ID: 950 6583 0000



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