Type: Abstract complessivo di un simposio

Time perception: from sensation to memory

Tuesday, September 24, 2024 9:00 AM (1h 30m)

Although no dedicated organ or sensory system exists to perceive time, temporal processing is essential to cognition at many levels, from sensory discrimination to the ability to mentally project oneself in the past and future. These processes extend across different temporal scales, ranging from milliseconds to seconds, days and even years. Despite the key role of time perception in cognitive processing, a comprehensive picture of how different levels of temporal representation are integrated is still missing. In this symposium, a set of findings from behavioral, neurophysiological and neuroimaging studies will be presented addressing mechanisms involved in time perception at different processing levels and timescales, and their interaction. Starting from neural processes involved in the intrinsic representation of time, evidence will be presented on how modality-specific and multimodal brain regions support a hierarchical representation of millisecond durations. Following presentations will offer insights on the contribution of physiological activation induced by emotional stimuli in shaping our perception of durations, and on the role of bodily and sensorimotor processing in building our representation of time from the range of seconds to the organization of memories of one' s own life. Finally, the symposium will address how prior knowledge and reconstructive processes allow the emergence of temporal features of experiences in episodic memory. Overall, these studies demonstrate the presence of both common and specific mechanisms supporting the representation of time at different scales and processing levels, and provide insight on how these phenomena may be understood within an integrated framework.

If you're submitting a poster, would you be interested in giving a blitz talk?

If you're submitting a symposium talk, what's the symposium title?

If you're submitting a symposium, or a talk that is part of a symposium, is this a junior symposium?

Yes

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