

Institute of Neurosciences and Cognition Day 2026

Time, Space and Brain

Time: 22nd of October 2026

Space: Grand Amphithéâtre GUH Paris-Psychiatrie et Neurosciences, 108 rue de la Santé, 75014 Paris

Time and space perception are fundamental functions of the brain, operating at the dynamic interface between the external environment and internal neural processes. Their encoding is highly complex, involving distributed networks and continuous interactions with other core brain functions such as memory, attention, and decision-making. Understanding how the brain represents and integrates temporal and spatial information is therefore central to deciphering cognition as a whole. This symposium will bring together cutting-edge research in both rodents and humans to clarify the neural coding of time and space, and to explore how these mechanisms support higher-order processes, from navigation to learning and goal-directed behavior.

Program

8h45: Welcome

Morning Session: Space coding in the brain: how it is processed and how it sustains major brain functions?

(9h - 12h15)

9h: **Pierre-Yves Jacob** (Bases neurales de la cognition spatiale, Laboratoire des NeuroSciences Cognitives, Marseille, France - france)

[Neural bases of spatial cognition](#)

9h45: **Michael Zugaro** (Brain Rhythms and Neural Coding of Memory, CIRB, College de France, Paris, France)

[Navigation and spatial memory: emphasis on place cells](#)

10h30: short talk (abstract selection)

10h45: coffee break

11h15: short talk (abstract selection)

11h30: **Neil Burgess** (Space & Memory group, Institute of Cognitive Neuroscience, University College London, London, UK)

[Spatial cognition in human: from networks to functions](#)

Lunch (12h15 – 13h30)

Keynote lecture (13h30 – 14h30)

13h30: **Liset Menendez de la Prida** (Laboratory of neural circuits, Cajal Institute CSIC, Madrid, Spain).

[Space and time in the brain.](#)

Afternoon Session: Time coding in the brain: how it is processed and how it sustains major brain functions?

(14h30 - 17h45)

14h30: **Jozsef Csicsvari** (Institute of Science and Technology (ISTA) Austria, 3400 Klosterneuburg, Austria).

[Neuronal representation of time during learning progression in rodents.](#)

15h15: **Virginie van Wassenhove** (Cognitive Neuroimaging Unit, NeuroSpin, Gif-sur-Yvette, France)

[Cognitive time maps in the human brain](#)

16h00: short talk (abstract selection)

16h15: coffee break

16h45: short talk (abstract selection)

17h00: **Lionel Naccache** (PICNIC lab, Institut du Cerveau - ICM, Paris, France)

[Is it a 'donut space': the deep structure of subjective time.](#)

17h45: end