SEMINARIO / SEMINAR

Titolo / Title:
Semantic cognition in young and older adults: evidence from concept typicality

Quando / When:
27 novembre 2023, ore 15:00 / 27th November 2023 at 15:00 CET

Dove / Where: **Aula Galileo, ITAB** and online
https://teams.microsoft.com/l/meetup-
join/19%3a0b724a844f004f47bbf9e6bfc4ccc1b8%40thread.tacv2/1700655318950?context=%7b%22Tid%22%3a%2241f8b7d0-9a21-415c-9c69-
a67984f3d0de%22%2c%22Oid%22%3a%22aebf9932-2c06-4b91-862f-ae81e43ca747%22%7d

Relatore / Speaker: **Prof. Ana Raposo**
Assistant Professor of Psychology (Faculty of Psychology) at the
University of Lisbon

Abstract: Semantic cognition requires preserved semantic representations (e.g., stored information about concepts and their features) and control processes that enable accessing the information in a flexible, task-relevant manner. The neural basis of these processes and how they interact in healthy ageing remain unclear. In this talk, I will present studies that investigated representation and control processes by manipulating concept typicality. The findings show that (a) typicality offers a wide-angle view on how the semantic system is neurologically implemented, (b) knowledge accumulation protects semantic cognition in healthy ageing, despite control decay, and (c) representational and control elements account for age-related changes in the semantic network.

Bio: Prof. Raposo received her PhD from the University of Cambridge and completed her Postdoctoral training at Duke University. Ana is interested in the cognitive and neural bases of human memory and has approached this topic from different angles. By combining behavioural and fMRI methods she investigates how knowledge about concepts is functionally organized, neurologically implemented and how it flexibly interacts with the task demands. In parallel, she works on understanding how conceptual knowledge impacts episodic remembering, by probing the nature of the semantic operations that support episodic retrieval.