



IUSS

Scuola Universitaria Superiore Pavia



UNIVERSITÀ
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SPARKs in Cognitive Brain Science

25 May 2025, 2:00 p.m.

Aula Volta, Palazzo Centrale dell'Università (first floor)

Corso Strada Nuova 65, Pavia

Zoom: <https://unipv-it.zoom.us/meeting/register/hKup7hJVTjm8fyqvKOBrsW>

More info: postlaurea@iusspavia.it



Programme

2:00 p.m. – **Welcome:** Eleonora Catricalà and Luca Rinaldi

2:10 p.m. – **Sharing PhD Experiences:** Francesco Crottini, Eleonora Fullone, Marta Milanese, and Gabriele Volpara

Session 1 – PhD Cycle XXXIX

2:20 p.m. – 4:40 p.m.

Chairs: Francesco Crottini, Marta Milanese, Gabriele Volpara

Alice Radici – *Rethinking Social Cognition Assessment in Amyotrophic Lateral Sclerosis: From Conventional Measures to Digital Cognitive Markers*

Anna Vedani – *Investigating the impact of school food policy on individual preferences and eating habits*

Aurora Manini – *Modulating corticospinal excitability during action observation: evidence from non-invasive brain stimulation studies*

Claudio Bertolotti – *How memory shapes perception: insights from neurological populations*

Francesca Rodio – *Spontaneous eye movements reveal the structure of semantic memory*

Giulia Arenare – *From Minds to Moments: Individual and Situational Pathways to Social Connection and Social Change*

Irene Gorrino – *Exploring the effects of brief mindfulness training on food-related motor impulsivity and its electrophysiological correlates*

Thomas Di Gregorio – *Neuro-cognitive aspects of Feeding and Eating Disorders: the role of Cognitive Flexibility and Avoidant Restrictive Food Intake Disorders*

4:40 p.m. – 4:50 p.m. – **Break**

Session 2 – PhD Cycle XL

4:50 p.m. – 5:50 p.m.

Chairs: Marta Milanese, Gabriele Volpara, Francesco Crottini

Andrea Pizzuto – *Early differentiation of frontal substrates subserving attentional functions in children*

Anna De Chino – *Emotional inhibitory control in Zen meditators: an EEG study*

Elena Piazzalunga – *Cognitive rehabilitation for cognitive and functional independence in neurodegenerative diseases: the role of blood-based biomarkers*

Gaia Locatelli – *Assessing the efficacy of Non Invasive Brain Stimulation techniques for Chronic Pain treatment: from a literature review to preliminar analysis on High Definition tDCS efficacy*

Natalia Borrella – *Body Representation in Eating Disorders: Mind, Brain, and Perception*

5:50 p.m. – 6:00 p.m. – **Break**

Session 3 – PhD Cycle XLI

6:00 p.m. – 6:35 p.m.

Chairs: Gabriele Volpara, Francesco Crottini, Marta Milanese

Alessandro Cocuzza – *Semantic Features of Abstract Concepts Along a Behavioral and Neural Continuum in Health and Disease: a Multimodal Approach*

Camilla Figini – *FALCO: a roadmap to music-based interventions for addiction*

Federica Biondi – *The role of the motor system in rhythm temporal prediction: insights from TMS, TMS-EEG, and computational modeling*

Luca Alpigiani – *From Task Integration to Brain Modulation: A Multimodal Study of Executive Functions and Individual Differences*

Margherita Papaccio – *Language and Conceptual Representation in the Brain. Ecological concepts as a case study*

Maria Jose Habib – *Would You Gamble Water Like Money? A Neurocognitive Investigation of Sustainable Decision-Making*

Massimo Favaro – *Impact of social cognition deficits on post-stroke recovery*

6:35 p.m. – **Best SPARKs Presentation Award** – presented by Gerardo Salvato

6:45 p.m. – ***Aperitif (optional)***