



The role of actions in perception and metacognition

Soutenance de thèse – DESANTIS Andrea

5 Juin 2025 à 14h00

Salle de thèse 2

Faculté des Sciences Médicales et Paramédicales

Campus Timone

27 Boulevard Jean Moulin

13005 MARSEILLE

Devant le jury composé de :

Jean-Louis MEGE, PR-PH, Aix-Marseille Université, Marseille, France, Président de jury

Jean BLOUIN, DR, CNRS, Marseille, France, Rapporteur

Alexander JONES, Professeur associé, Middlesex University, London, UK, Rapporteur

Alexandre ZENON, DR, CNRS, Bordeaux, France, Rapporteur

Anna MONTAGNINI, DR, CNRS, Marseille, France, Examinatrice

Pascal MAMASSIAN, DR, CNRS, Paris, France, Examineur

Résumé

I am pleased to announce the defense of my *Habilitation à Diriger des Recherches*. In this presentation, I will provide an overview of part of my research activity, centered on the interplay between voluntary action, perception, and metacognition. I will present key findings on whether, and how, the processing and perception of self-generated sensations differ from those produced externally. Particular attention will be given to sensory predictive processes and their influence on the perceived timing and sensitivity of self-generated and predicted outcomes. In addition, I will discuss a more recent line of research investigating how motor processes shape perceptual confidence, suggesting that action-related signals contribute to metacognitive evaluations of perception. Drawing on these findings, I will outline future research perspectives on the contribution of action to perceptual decision-making.

Mots clés

Voluntary action, Causality, Prediction, Perception, Metacognition