

# Journal Club Session 1

5<sup>th</sup> August 2023

Visuospatial attention  
and semantic memory competition  
in the parietal cortex

Paolo Capotosto, Valentina Sulpizio, Gaspare Galati &  
Antonello Baldassarre

Moderated by:  
Ms. Amruthavalli  
Research Scholar  
CBCS, UoA

Presented by:  
Ankita Rani  
Msc II (Cog Sci)

# Introduction

- Functional segregation of the human cerebral cortex into a limited set of Resting state networks (RSNs) containing nodes in different lobes.
- Characterized by spatio-temporal patterns of spontaneous activity
- Competitive relationship between "Dorsal attention network" (DAN) and "Default mode network" (DMN)
- Control of external/ environmental v/s internal/self-referential processes (Corbetta et al. 2002)
- Example of within parietal cortex (B/L Intraparietal sulcus (IPS) v/s left angular gyrus (AG))



## Background

Influential dual-process theories of thinking have explained people's "rational thinking failure" by positing two different human reasoning systems. Dual Process theories assume that a first system (often called the heuristic system) will tend to solve a problem by relying on prior knowledge and beliefs, whereas a second system (often called the analytic system) allows reasoning according to logical standards.

The heuristic default system is assumed to operate rapidly and automatically, whereas the operations of the analytic system are believed to be slow and heavily demanding of people's computational resources.

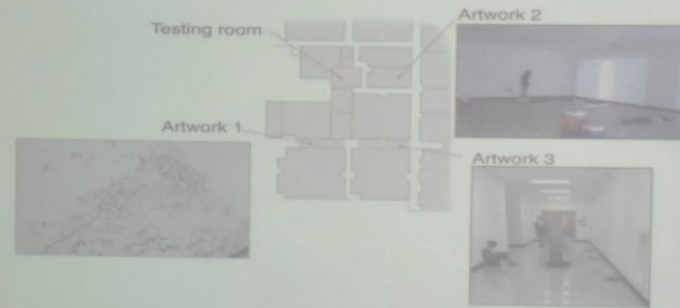








## Stimuli and Layout



### Part 1: Art making



Artist (N = 3) produces art



Artist reports  
felt/intended  
emotions



### Part 2: Art viewing



Viewers (n = 37)  
View art



Viewers  
report felt and  
(assumed) intended  
emotions

## INTRODUCTION

- Online auctions use a variety of novel tools to provide quality signals for products and sellers in an attempt to overcome the online marketplace's limitations. These tools include product pictures and indicators that indicate sellers' reputation, such as feedback-rating systems. (Li et al 2009)
- Most studies on reputation systems have investigated numerical ratings; few have investigated the effects of graphic representation indicators such as Taobao's hearts/diamonds/crowns grading system and eBay's star indicators.







# “The Penny Drops”: Investigating Insight Through the Medium of Cryptic Crosswords

Kathryn J. Friedlander and Philip A. Fine  
Department of Psychology, University of Buckingham, Buckingham,  
United Kingdom

Front. Psychol. 9:904. doi: 10.3389/fpsyg.2018.00904

