
FORTH - ARCHERS (NIARCHOS) Conference

ARCHERS FINAL (VIRTUAL) CONFERENCE

DECEMBER 6-8, 2021

How visual short-term memories are encoded in the brain?

Panos Sapountzis

Abstract

Short-term memory refers to the ability to maintain information over a period of seconds and is considered a core component of higher cognitive functions. But how short-term memories are encoded in the brain? I will present novel data demonstrating that the prefrontal cortex not only plays a critical role in the maintenance of short-term memories, but also that different regions within the prefrontal cortex encode different aspects of visual stimuli. Overall, these results shed light into the functional anatomy of visual short-term memory maintenance in brain.