



Máster Universitario en
Neurociencia Cognitiva
y del Comportamiento

Talk by Dr. Hongjin Sun "Visual attention in 3D space"

~~Desde~~ el Mar, 13/12/2022 - 12:00

Title: Visual attention in 3D space

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Date, time, and venue: December 13th, 11.00am,
Sala de conferencias 2 CIMCYC

Abstract: Visual spatial attention enables processing of some regions of the visual environment more than others. In 2-dimensional space, it has been well established that visual attention monotonically decreases in a graded fashion with increasing distance from an attended location. In 3-dimensional space, we have discovered that humans are more sensitive to events (e.g., an onset of an object) in near compared to far locations, despite the visual events in near and far locations being matched for visual angle and luminance. In this talk, I will show that such effect of depth on attention in scenarios where (1) participants detect a single target appearing in various eccentricities and depth planes (Li et al, 2011 and Song et al 2021, see attached) and 2) target detection when attention has to switch between depths after attention is drawn to a different depth plane by an exogenous cue (spatial cueing paradigm).

