UNIVERSITÀ di VERONA

Scuola di Dottorato
di **SCIENZE DELLA VITA E DELLA SALUTE**

Corso di dottorato in Neuroscienze, Scienze Psicologiche e Psichiatriche e Scienze del Movimento

" Dimensional constraints on distractor handling in visual search"

October 28, 2019 - h. 11.00

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Abstract

Salient-but-irrelevant objects have the potential to distract attention and interfere with the task of searching for relevant objects. A very potent mechanism for reducing this interference, the (top-down) modulation of the distractor's (bottom-up) saliency signal, is suggested by the dimension-weighting account. Various strands of psychophysical and electrophysiological evidence indicate that people can very effectively down-weight a whole distractor dimension, but not a specific distractor feature when using a priority map to guide attention. These data patterns are well accounted for by a dimension-weighting-based computational model of priority computations that assumes a partial (though not perfect) down-weighting of the distractor whenever target and distractor stand out in different dimensions..

The seminar will take place at **11.00 – Aula 5 – Piastra Odontoiatrica**

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