

Accepted Manuscript

Title: Recognition memory and featural similarity between concepts: the pupil's point of view

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PII: S0301-0511(18)30243-6
DOI: <https://doi.org/10.1016/j.biopsycho.2018.04.004>
Reference: BIOPSY 7525



To appear in:

Received date: 1-8-2017
Revised date: 18-2-2018
Accepted date: 10-4-2018

Please cite this article as: Montefinese, Maria, Vinson, David, Ambrosini, Ettore, Recognition memory and featural similarity between concepts: the pupil's point of view. *Biological Psychology* <https://doi.org/10.1016/j.biopsycho.2018.04.004>

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Recognition memory and featural similarity between concepts: the pupil's point of view

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Highlights

- Pupil size to false memory is modulated by featural similarity between concepts
- Pupil size reflects the evidence strength on which recognition judgment is based
- An integrated view of underpinnings of pupil response to false memory is proposed
- Pupil size is a result of locus coeruleus and prefrontal activity in monitoring

Abstract

Differences in pupil dilation are observed for studied compared to new items in recognition memory. According to cognitive load theory, this effect reflects the greater cognitive demands of retrieving contextual

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