

Accepted Manuscript

Title: Auditory enhancement of visual memory encoding is driven by emotional content of the auditory material and mediated by superior frontal cortex

Authors: A.M. Proverbio, F.De Benedetto



PII: S0301-0511(17)30344-7
DOI: <https://doi.org/10.1016/j.biopsycho.2017.12.003>
Reference: BIOPSY 7473

To appear in:

Received date: 7-2-2017
Revised date: 12-7-2017
Accepted date: 19-12-2017

Please cite this article as: Proverbio, A.M., Benedetto, F.De, Auditory enhancement of visual memory encoding is driven by emotional content of the auditory material and mediated by superior frontal cortex. *Biological Psychology* <https://doi.org/10.1016/j.biopsycho.2017.12.003>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

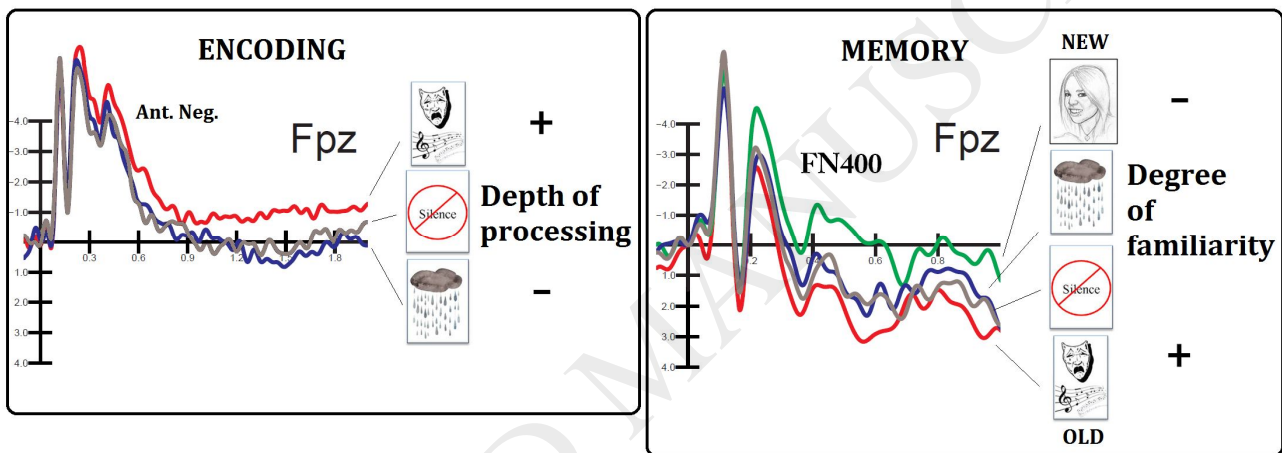
Auditory enhancement of visual memory encoding is driven by emotional content of the auditory material and mediated by superior frontal cortex

Proverbio AM* mado.proverbio@unimib.it , **De Benedetto F.**

Milan-Mi Center for Neuroscience, Department, of Psychology, University of Milano-Bicocca

*Address for correspondence: Alice Mado Proverbio, Dept. of Psychology, University of Milano-Bicocca, piazza dell'Ateneo Nuovo 1, U6 Building, Milan, Italy. Phone +3902 6448 3755

Graphical abstract



Highlights

- The effect of environmental music and sounds vs. silence during face learning was investigated
- Music listening was the better auditory background as indexed by FN400 response
- Music affected face memory by stimulating Superior Temporal and medial frontal gyri according to swLORETA
- Enhanced memory was based on the integration and merging of affective audio-visual information
- Listening to touching music (e.g., Tchaikovsky's Pathetic Symphony) improved memory recollection of faces

متن کامل مقاله

دریافت فوری ←

ISIArticles

مرجع مقالات تخصصی ایران

- ✓ امکان دانلود نسخه تمام متن مقالات انگلیسی
- ✓ امکان دانلود نسخه ترجمه شده مقالات
- ✓ پذیرش سفارش ترجمه تخصصی
- ✓ امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
- ✓ امکان دانلود رایگان ۲ صفحه اول هر مقاله
- ✓ امکان پرداخت اینترنتی با کلیه کارت های عضو شتاب
- ✓ دانلود فوری مقاله پس از پرداخت آنلاین
- ✓ پشتیبانی کامل خرید با بهره مندی از سیستم هوشمند رهگیری سفارشات