

## **Estudo experimental da relação entre a activação emocional subliminar e a actividade fisiológica durante o reconhecimento implícito ou explícito**

**Pedro B Albuquerque, Jorge A Santos e Teresa Freire**

### **Results:**

The aim of this study was to analyse the relation between the subliminal activation of emotional stimuli (facial expressions and verbal expressions) and the peripheral physiological activity enhanced during two implicit memory tasks (fragment completion and forced choice phrase completion) and two explicit memory tasks (free recall and forced choice recognition).

The theoretical framework that oriented this research was the discussion that characterizes the memory as a system where there is no discontinuity between implicit and explicit memory and, on the other hand, their opponents that emphasize the distinction (structurally and process-wise) between implicit and explicit memory. This last theoretical position postulates the impossibility of subliminal activation producing behavioural answers in explicit memory performance. And, on the other hand, it is not possible that supraliminal/attention oriented tasks cannot produce implicit memory changes. The processes of retrieval are the base for those postulations.

Results showed that: (1) emotional stimuli presented subliminally induced a clear priming effect in implicit memory tasks (fragment completion and forced choice phrase completion); (2) this effect is independent of the stimuli category (emotional verbal words or emotional facial expressions); (3) the peripheral physiological activity presented in the memory tasks is positively correlated with the task difficulty; (4) there are no statistical differences between the physiological activity and the valence of the stimuli (positive versus negative); (5) implicit memory performance and explicit memory performance are dissociated.

### **Published Work:**

Albuquerque, P. B. (2001). *"Memória implícita e processamento: Do subliminar à formação de imagens"*. Braga: CEEP Edições.

Albuquerque, P. B., Santos, J. A., Gonçalves, S. F., & Pandeirada, J. (2000). *"Activação subliminar e memória implícita: Efeitos de transferência apropriada de processamento"*. In C. Machado, M. Melo, V. Franco & N. Santos (Eds.), *Actas do Congresso "Interfaces da Psicologia"* (Vol. II, pp. 131-144). Évora: Departamento de Pedagogia e Educação da Universidade de Évora.

Albuquerque, P. B., Santos, J. A., Pandeirada, J. S., & Gonçalves, S. F. (2002a). *"Disociación entre la memoria implícita e explícita: Efecto de la formación de imágenes en una tarea de completamiento de fragmentos de palabras"*. In D. Saiz (Ed.), *Psicología de la memoria: Aportaciones recientes* (pp. 77-89). Barcelona: Avesta

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## **Researcher`s Contacts:**

Emanuel Pedro Viana Barbas de Albuquerque  
Instituto de Educação e Psicologia da Universidade do Minho  
Departamento de Psicologia  
4710-057 Braga

Phone: 253 604240

Fax: 256 678987

Email: [pedro.b.albuquerque@iep.uminho.pt](mailto:pedro.b.albuquerque@iep.uminho.pt)