

CURRICULUM VITAE

Emanuele Lo Gerfo

Via R Raimondi Garibaldi 50 C
00145 Roma (Italy)
Tel:06 5127758 – +393287306217
emanuele.logerfo@univr.it

Date and Place of Birth: 20 december 1975, Palermo Italy

Education

2009 PhD in Neuropsychology

Università Cattolica del Sacro Cuore di Roma - Italy

2003 Degree in Experimental Psychology (*magna cum laude*)

Università degli studi di Palermo– Italy

1994 High school degree,

Liceo Scientifico D' Alessandro Bagheria

Current Position

Post doc researcher at the Department of Neurological and Vision Sciences – Section of Physiology, at the University of Verona. Supervision of Prof. Leonardo Chelazzi

Professional Experience

2006-2008 PhD Student in Neuropsychology

Activity

- IRCSS Fondazione Santa Lucia – laboratory of transcranial magnetic stimulation (TMS) – Roma – Italy. Research Supervisor: Professor **Massimiliano Oliveri**
- Evaluation of cognitive deficits in patients affected by dementia and cerebral focal lesions, using neuropsychological batteries. Fondazione “S.Lucia” – Rome- Italy. Research Supervisor: Professor **Carlo Caltagirone**.

2008-2009 Seminar lectures for academic undergraduate courses of Psychophysiology at the Università degli studi di Palermo– Italy

2004-2005 Apprenticeship

IRCSS Fondazione Santa Lucia – laboratory of magnetic transcranial stimulation (TMS) – Roma – Italy
Research Supervisor: Professor **Carlo Caltagirone** and **Massimiliano Oliveri**

Current research interests

The main research interests are in the study of cognitive functions using the Transcranial Magnetic Stimulation (TMS) technique in healthy subjects and in patients affected by neurological damages. The main field of investigation is: the relationship between language and motor system; the effects of TMS or TBS (theta burst stimulation) on the improvement of cognitive functions in aphasic patients with unilateral stroke; the role of the cerebellum and other brain structures in the processes of perception and attention.

Publications

- Lo Gerfo E.**, Oliveri M., Torriero S., Salerno S., Koch G., Caltagirone C. The influence of rTMS over prefrontal and motor areas in a morphological task: grammatical VS. semantic effect. *Neuropsychologia* 46: 764-70 (2008).
- Koch G, Brusa L, Carrillo F, **Lo Gerfo E**, Torriero S, Oliveri M, Mir P, Caltagirone C, Stanzione P. Cerebellar magnetic stimulation decreases levodopa-induced dyskinesias in Parkinson disease. *Neurology*. 14; 113-9. (2009)
- Brusa L, Agrò EF, Petta F, Sciobica F, Torriero S, **Lo Gerfo E**, Iani C, Stanzione P, Koch G. Effects of inhibitory rTMS on bladder function in Parkinson's disease patients. *Mov Disord*. 15; 445-8. (2009)
- Koch G., Oliveri M., Cheeran B., Ruge D., **Lo Gerfo E.**, Salerno S., Torriero S., Marconi B., Mori F., Driver J., Rothwell J. C., Caltagirone C. Hyperexcitability of parietal-motor functional connections in the intact left-hemisphere of patients with neglect. *Brain* Accepted September 22, (2008)
- Torriero S., Oliveri M., Koch G., **Lo Gerfo E.**, Salerno S., Petrosini L., Caltagirone C. Cortical networks of procedural learning: evidence from cerebellar damage. *Neuropsychologia* 45(6):1208-14 (2007).
- Koch,G., Mori, F., Marconi, B., Codecà, C., Pecchioli, C., Salerno, S., Torriero, S., **Lo Gerfo, E** Mir, P., Oliveri, M., Caltagirone, C. Changes in intracortical circuits of the human motor cortex following theta burst stimulation of the lateral cerebellum. *Clin Neurophysiol*. Sep 26 2008
- Koch G., Costa A., Brusa L., Peppe A., Gatto I., Torriero s., **Lo Gerfo E.**, Salerno S., Oliveri M., Carlesimo G A., Caltagirone C., Impaired reproduction of second but not millisecond time intervals in Parkinson's disease. *Neuropsychologia*. Apr;46(5):1305-13. 2008
- Koch G, Oliveri M, Torriero S, Salerno S, **Lo Gerfo E**, Caltagirone C. Repetitive TMS of cerebellum interferes with millisecond time processing. *Exp Brain Res*. May;179(2):291-9. 2007
- Zannino, GD., Buccione, I., Perri, R., Macaluso, E., **Lo Gerfo, E.**, Caltagirone, C., Carlesimo, GA. Visual and semantic contribution to category-specificity: an fMRI study. *J Cogn Neurosci*. (2009)
- Oliveri M., Salerno S., Koch G., Torriero S., **Lo Gerfo E.**, Caltagirone C. Representation of time intervals in the right posterior parietal cortex: implication for a mental time line. *NeuroImage* 2009 Jul 15;46(4):1173-9
- Koch G, Brusa L, Carrillo F, **Lo Gerfo E**, Torriero S, Oliveri M, Mir P, Caltagirone C, Stanzione P. Cerebellar magnetic stimulation decreases levodopa-induced dyskinesias in Parkinson disease. *Neurology*. 2009 Jul 14;73(2):113-9.
- Koch G., Ruge D., Cheeran B., Fernandez Del Olmo M., Pecchioli C., Marconi B., Versace V., **Lo Gerfo E.**, Torriero S., Oliveri M., Caltagirone C., Rothwell JC. Activation of interhemispheric pathways between the posterior parietal cortex and the contralateral motor cortex. *Journal of Physiology* 2009 Jul 21

Conference and Poster Presentation

- “Effects of rTMS of the left prefrontal and motor cortex on a morphological task in nouns and verbs”. AIP, Como 17/19 settembre 2007
- “Left middle frontal gyrus and left motor area in the processing of grammatical and semantic information. A TMS study”. First meeting of the European Societies of Neuropsychology 2-5 settembre 2008.(poster)