

## **Marcello Costantini, PhD**

### **Current Position:**

Post-Doctoral Fellow

Dipartimento di scienze cliniche e delle bioimmagini  
Università di Chieti.

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### **Research activity:**

2007-at present. Scientific collaboration with “Centro Studi e Ricerche in Neuroscienze Cognitive”, at the Department of Psychology, University of Bologna, directed by Prof. Elisabetta Ladavas.

2003-at present. Scientific collaboration with “Laboratorio di Neuroscienze Cognitive”, at the Department of Psychology, University of Rome “La Sapienza”, directed by Prof. Salvatore M. Aglioti.

2005 (June - December): Visiting researcher at the Institute of Cognitive Neuroscience, University College London.

### **Education:**

2005. PhD in Biomedical technologies and functional bioimaging, Department of clinical science and bioimaging, University of Chieti. Supervisor: Prof. Gaspare Galati.

2002-2003. Training in Clinical and Experimental Psychology at the IRCCS Santa Lucia, Roma.  
Supervisor: Prof. Salvatore M. Aglioti

2001. Laurea in Psychology - General and Experimental Psychology, Faculty of Psychology, University of Rome “La Sapienza”. Supervisor: Prof. Salvatore M. Aglioti.

### **Research Interests:**

- Action Understanding
- Neural Basis of Corporeal Knowledge
- Visual and Haptic Body Recognition and role of Extrastriate Body Area (EBA)
- Transcranial Magnetic Stimulation (TMS)
- fMRI

## **Publications:**

- Temporal dynamics of cross-modal extinction between and within hemispaces.  
*Marcello Costantini*, Domenica Bueti, Mariella Pazzaglia & Salvatore Maria Aglioti  
Neuropsychology, (2007), 21(2):242-50
- The Rubber hand illusion: Sensitivity and reference frame for body ownership  
*Marcello Costantini* & Patrick Haggard  
Consciousness and Cognition, (2007), 16:229-240
- Neural systems underlying observation of humanly impossible movements: an fMRI study  
*Marcello Costantini*, Gaspare Galati, Antonio Ferretti, Massimo Caulo, Armando Tartaro, Gian Luca Romani & Salvatore Maria Aglioti  
Cerebral Cortex, (2005), 15(11):1761-7
- Unimodal and cross-modal temporal modulation of spatial tactile extinction in right brain damaged patients  
Domenica Bueti, *Marcello Costantini*, Bettina Forster & Salvatore M Aglioti  
Neuropsychologia. (2004), 42(12):1689-96
- “In-the-body-experience”: distinguish the self from the world  
Manos Tsakiris, *Marcello Costantini*, Patrick Haggard. Submitted
- Effector-independent representation of observed action goal: evidence from incidental repetition priming  
*Marcello Costantini*, Giorgia Committeri & Gaspare Galati. Submitted
- Sensorimotor and affective underpinnings of "flesh and bone" empathy for pain  
*Marcello Costantini*, Gaspare Galati, Gian Luca Romani & Salvatore Maria Aglioti, Submitted

## **Papers in Preparation**

- Feeling the body with the extrastriate body area.  
*Marcello Costantini*, Cosimo Urgesi, Gaspare Galati, Gian Luca Romani & Salvatore Maria Aglioti
- Perceptual consequences of observing either right or left hand movements  
*Marcello Costantini*, Gaspare Galati, Gian Luca Romani & Salvatore Maria Aglioti

## Abstract

- Wathing and feeling the pain of others: an fMRI study  
**Marcello Costantini**, Gaspare Galati, Antonio Ferretti, Massimo Caulo, Salvatore Maria Aglioti, Gian Luca Romani.  
  
Organization for Human Brain Mapping, 11th annual meeting. 13-17 giugno, 2005, Toronto, Ontario, Canada.
- Effetti di facilitazione cross-effettore nel riconoscimento dello scopo di un'azione  
**Marcello Costantini**, Giorgia Committeri, Francesca Defeudis, Gaspare Galati  
  
Società Italiana di Neuropsicologia, riunione primaverile. 27-28 maggio 2005, Bologna.
- Watching possible and impossible movements of biological and non-biological stimuli: an fMRI study  
**Marcello Costantini**, Gaspare Galati, Antonio Ferretti, Massimo Caulo, Gian Luca Romani, Salvatore Maria Aglioti  
  
Organization for Human Brain Mapping, 10th annual meeting. 13-17 giugno, 2004, Budapest-Ungheria.
- Integration of tactile, visual, and acoustic stimuli in the near and far space of unilateral brain-damaged patients  
Crostella Filippo, **Costantini Marcello** e Aglioti S.M.  
  
International Conference on Spatial Cognition Scientific Research and Applications . 24-26 novembre 2003
- Watching possible and impossible movements of biological stimuli: a MEG study  
**Marcello Costantini**, Francesco Cianflone, Gaspare Galati, Stefania Della Penna, Vittorio Pizzella, Raffaella Franciotti, Gian Luca Romani, Salvatore Maria Aglioti.  
  
Biomag 2004, 8-12 agosto, 2004, Boston-Massachusetts, USA.
- An experimental study on temporal modulation of cross-modal extinction between and within hemispaces.  
**Marcello Costantini**, Domenica Bueti, Salvatore M Aglioti.  
  
Cognitive Neuroscience Society, 10th annual meeting. 30 marzo- 1 aprile, 2003, New York City.
- Influenza di variabili spaziali e temporali sull'estinzione cross-modale visuo-tattile  
**Marcello Costantini**, Domenica Bueti e Salvatore Maria Aglioti  
  
Società Italiana di Neuropsicologia, riunione primaverile. 16-17 maggio 2003, Bologna.
- Influence of hand position and stimulus onset asynchrony on unimodal and cross-modal extinction  
**Marcello Costantini**, Domenica Bueti, Salvatore M Aglioti

Joint Meeting of the Italian and French language Neuropsychological Societies (SINP-SNLF). 17-18 ottobre 2002, Paris

- Temporal dynamics of visuo-tactile extinction within and between hemispaces.  
*Marcello Costantini*, Domenica Bueti, Salvatore M Aglioti

The Human Brain: International conference on the structural basis of understanding Human brain function and dysfunction.  
IRCCS Santa Lucia, Roma 5-10 ottobre 2002.

**Editorial Activity:**

Ad-hoc Reviewer for:  
Consciousness and Cognition  
Neuropsychologia  
Brain and Cognition.

**Teaching Experience:**

- 2005 – at present: Titolare dell'insegnamento "TMS and fMRI nelle neuroscienze cognitive" presso la facoltà di psicologia dell'università "G. D'Annunzio", Chieti-Pescara, Italia.