

# FRANCESCO MARINI

## CURRICULUM VITAE

### RESEARCH INTERESTS

Visual perception and visuo-spatial selective attention. Attentional control processes and cognitive control systems in the human brain. Crossmodal attention and multisensory integration in vision, audition, and touch. Interactions between attention and body representation.

### ACADEMIC CAREER

2014 – present	Post-Doctoral Fellow at Department Neurological and Motor Sciences, University of Verona, Italy (with: Prof. Carlo A. Marzi)
2010 – 2013	PhD Student in “Experimental Psychology and Cognitive Neuroscience”, University of Milano-Bicocca, Milan, Italy (Advisor: Prof. Angelo Maravita)
2012 – 2013	Research Scholar at Center for Cognitive Neuroscience, Duke University, USA, working on “Correlates of attention and distraction with behavioral and fMRI studies” (Advisor: Prof. Marty Woldorff)
2008	Specialization Course in "Cognitive and Neuropsychological Assessment", University of Florence, Italy. (Advisor: Prof.ssa Maria Pia Viggiano)
2005 – 2007	Master’s Degree (Summa Cum Laude) in “Experimental Psychology “, University of Florence, Florence, Italy. Thesis: “Multisensory integration in the perception of complex biological motion” (Advisor: Prof. David C. Burr)
2001-2004	Bachelor’s Degree in “General and Experimental Psychology”, University of Florence, Florence, Italy

### TRAINEESHIP

Mar-Sep, 2008	Graduate trainee in the Laboratory of Psychophysiology, Department of Psychology, University of Florence, Italy (Supervisor: Prof. Maria Pia Viggiano)
Sep, 2007 – Mar, 2008	Graduate trainee in the Service for Mental Health of Infants and Adolescents, Local Health Authority, Florence, Italy (Supervisor: Dr. Mirta Bertoncini)
Jan-Jun, 2007	Undergraduate trainee in the Vision Science Laboratory, Neuroscience Institute at CNR, Pisa, Italy (Supervisor: Prof. David C. Burr)
Jan-Jun, 2004	Undergraduate trainee in the Sleep Laboratory, Department of Psychology, University of Florence, Italy (Supervisor: Prof. Piero Salzarulo)

### EMPLOYMENT

Mar, 2009 – present	Practitioner in Psychology, in the fields of cognitive psychology, neuropsychology, and age-related cognitive decline.
Jan-Feb, 2009	Tutor of Cognitive Psychology at Middlebury College School, Florence, Italy.
Sep 2008 – Sep 2009	Research Assistant, Dep. of Psychology, University of Florence, Italy I worked in the Laboratory of Psychophysiology in the group of Prof. M. P. Viggiano, investigating face perception and memory by the usage of ERPs.

SCIENTIFIC ACTIVITY

<p>Journals</p>	<p><b>Marini, F.</b>, Tagliabue, C.F., Sposito, A.V., Hernandez-Arieta, A., Brugger, P., Estévez, N., &amp; Maravita, A. (2014). Crossmodal representation of a functional robotic hand arises after extensive training in healthy participants. <i>Neuropsychologia</i>, 53: 178-186.</p> <p><b>Marini, F.</b>, Chelazzi, L., &amp; Maravita, A. (2012). The costly filtering of potential distraction: evidence for a supramodal mechanism. <i>J Exp Psychol: General</i>, 142(3): 906-922.</p> <p><b>Marini, F.</b>, Marzi, T., &amp; Viggiano, M.P. (2011). "Wanted!" The effects of reward on face recognition: electrophysiological correlates. <i>Cog Affect Behav Neurosci</i>, 11(4): 627-643.</p> <p>Arrighi, R., <b>Marini, F.</b>, &amp; Burr, D.C. (2009). Meaningful auditory information enhances perception of visual biological motion. <i>J Vis</i>, 9(4): 1-7.</p>
<p>Conference Proceedings</p>	<p>Tagliabue, C., <b>Marini, F.</b>, Sposito, A.V., Hernandez-Arieta, A., Brugger, P., Estévez, N., &amp; Maravita, A. (2013). Annual Meeting of Italian Society of Neuropsychology (SINP), Milano, Italy. (Oral Presentation)</p> <p><b>Marini, F.</b>, Chelazzi, L., Maravita, A., &amp; Woldorff, M.G. (2013). Cognitive preparation for potential distraction is a feature-general strategic process. 17<sup>th</sup> International Conference on Cognitive and Neural Systems (ICCNS), Boston, USA. (Poster)</p> <p><b>Marini, F.</b>, Ravagli, A., Chelazzi, L., &amp; Maravita, A. (2013). The cost of limiting potential distraction. <i>J. Cog. Neurosci. Conference Abstract: 20<sup>th</sup> Cognitive Neuroscience Society Meeting (CNS)</i>, San Francisco, USA. (Poster)</p> <p><b>Marini, F.</b>, Chelazzi, L., &amp; Maravita, A. (2011). Strategic filtering in attentional control revealed by the cost of absent distracters. Rovereto Attention Workshop (RAW), Rovereto, Italy. (Poster)</p> <p><b>Marini, F.</b>, Chelazzi, L., &amp; Maravita, A. (2011). Strategic filtering within and between sensory modalities in tactile spatial attention. <i>Front. Hum. Neurosci. Conference Abstract: XI International Conference on Cognitive Neuroscience (ICON)</i>, Palma de Mallorca, Spain. (Poster)</p> <p><b>Marini, F.</b>, Chelazzi, L., &amp; Maravita, A. (2011). Strategic filtering: behavioral evidence for a supramodal mechanism. 43<sup>rd</sup> European Brain and Behaviour Society Meeting (EBBS), Seville, Spain. (Poster)</p>

	<p><b>Marini, F.</b>, Chelazzi, L., &amp; Maravita, A. (2011). Responses to tactile stimuli are slowed down by absent, but potential, distracters. 8<sup>th</sup> IBRO World Congress of Neuroscience, Florence, Italy. (Poster)</p> <p><b>Marini, F.</b>, Chelazzi, L., &amp; Maravita, A. (2011). Strategic filtering within and between sensory modalities in tactile spatial attention. Annual Meeting of Italian Society of Neuropsychology (SINP), Bologna, Italy. (Oral Presentation)</p> <p><b>Marini, F.</b>, Marzi, T., &amp; Viggiano, M.P. (2009). Temporal dynamics of reward and memory in face recognition. 27<sup>th</sup> European Workshop on Cognitive Neuropsychology (EWCN), Bressanone, Italy. (Poster)</p> <p>Arrighi, R., <b>Marini, F.</b>, &amp; Burr, D.C. (2007). Audio-visual integration in the perception of tap dancing. 30<sup>th</sup> European Conference on Visual Perception (ECVP), Arezzo, Italy. (Oral Presentation)</p> <p>Burr, D.C., Arrighi, R., &amp; <b>Marini, F.</b> (2007). Audio-visual integration in the perception of tap dancing. 8<sup>th</sup> International Multisensory Research Forum (IMRF), Sidney, Australia. (Oral Presentation)</p>
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#### CONFERENCES & COURSES (selection)

Oct 24-26, 2013	5 <sup>th</sup> Rovereto Attention Workshop (RAW), Rovereto, Italy.
June 3-6, 2013	17 <sup>th</sup> International Conference on Cognitive and Neural Systems (ICCNs), Boston, USA
April 14-18, 2013	20 <sup>th</sup> Cognitive Neuroscience Society Meeting (CNS), San Francisco, USA.
Oct-Dec, 2012	Course on functional Magnetic Resonance Imaging by Dr. Alison Adcock, with theoretical background and hands-on training, Duke University, USA.
Oct 27-29, 2011	4 <sup>th</sup> Rovereto Attention Workshop (RAW), Rovereto, Italy.
Sept 25-29, 2011	11 <sup>th</sup> International Conference on Cognitive Neuroscience (ICON), Palma de Mallorca, Spain.
Sept 9-12, 2011	43 <sup>rd</sup> Meeting of the European Brain and Behaviour Society (EBBS), Seville, Spain.
Jul 14-18, 2011	8 <sup>th</sup> World Congress of International Brain Research Organization (IBRO), Florence, Italy.
May 28-29, 2011	Annual Meeting of Italian Society of Neuropsychology (SINP), Bologna, Italy
Feb 22 - 24, 2011	NWG Practical Course – Transcranial Magnetic and Electrical Stimulation (TMS/tDCS/tACS/tRNS). Georg-August-Universität, Göttingen, Germany.
Dec 3-4, 2010	NeuCore 2010 – Treatment of cognitive disease: neurorehabilitation, neuromodulation, neuroplasticity. CIMeC, Rovereto, Italy.
Nov 12, 2010	New Perspectives in Transcranial Direct Electrical Stimulation. IRCCS San Giovanni di Dio, Brescia, Italy.
Nov 11, 2010	Neuronavigation Workshop. IRCCS San Giovanni di Dio, Brescia, Italy.

Oct 11, 2010	The mind and the brain: scientific and ethical issues about modern neuromodulation techniques. University of Milano-Bicocca, Milan, Italy
Jan 25-30, 2009	XXVII European Workshop on Cognitive Neuropsychology (EWCN). Bressanone, Italy
Jan 24, 2008	Innovative Technologies in Cognitive and Neuromotor Psychology – Biorobotic systems for rehabilitation. Firenze, Italy.
Aug 27-31, 2007	XXX European Conference on Visual Perception (ECVP). Arezzo, Italy.

#### AWARDS

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- Terje Sagvolden Travel Award granted by European Brain & Behavior Society for the 43rd EBBS Meeting in Sevilla, Spain, September 2011 (500€)

#### SKILLS

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##### Research techniques

- Functional magnetic resonance imaging (fMRI) and use of FSL software package
- Electroencephalography (EEG) and event-related potentials (ERPs) and use of Neuroscan software package
- Transcranial direct current stimulation (tDCS)
- Skin conductance response (SCR)
- Psychophysics and behavioral experiments

##### Computer

- Programming and designing experiments: Matlab, Psychtoolbox, E-Prime, Bash.
- Statistics: Statistica, Origin Pro, SPSS, R.
- Other: Microsoft Office (Excel, Word, Powerpoint), Adobe Photoshop.
- Operating Systems: Microsoft Windows XP, Microsoft Windows 7, Linux CentOS.

##### Presenting and reviewing research reports

- Knowledge of research methodologies, data and information collection, writing and presenting reports
- Referee for: *PLOS One*, *Frontiers in Perception Science*, *Frontiers in Human Neuroscience*, *Perception*.

#### LANGUAGES

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- Italian (native)
- English (TOEFL Score: 110/120)

#### PROFESSIONAL MEMBERSHIP

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- Cognitive Neuroscience Society
- European Brain & Behavior Society
- Italian Association of Psychology – Experimental Psychology Section
- Italian Psychological Register

*Updated on Dec, 18, 2013.*