

Angela Marotta – Curriculum vitae

PROFESSIONAL EXPERIENCES

- 2019 – ongoing **Research fellow** University of Verona
2018 **Post-doc fellow** University of Verona
2016 – 2018 **Post-doc fellow** Azienda Ospedaliera Universitaria Integrata Verona
2015 – 2016 **Research fellow** University of Verona
2015 **Post-doc fellow** University of Verona

EDUCATION

- 2017– ongoing **Four-years specialization course in Cognitive Behavioral Therapy** - School of Cognitive Psychotherapy - SPC, Verona (Italy)
2017-ongoing **Psychotherapy training**, Azienda Ospedaliera Universitaria Integrata, UO Psicosomatica e Psicologia Clinica.
2015 **Ph.D. in Neuroscience**, University of Verona, Italy.
Thesis title: “Fooling the sense of touch. New evidence on the role of body representation in shaping somatic perception.” Supervisor: Prof. Michele Tinazzi.
2014 **Visiting student** at the University College of London, UK. Supervisor: Prof. Patrick Haggard.
2011 **One-year postgraduate course in Forensic Psychopathology and Neuropsychology**, University of Padova, Italy.
Thesis title: “*Imputabilità e vizio di mente: un caso di presunta pedofilia acquisita*”. Supervisor: Prof. Giuseppe Sartori
2011 **License to practice Psychology**, University of Padua, Italy.
2010 – 2011 **Postgraduate training**, University of Padua, Italy.
2010 **Degree in Clinical Psychology (cum laude)**, University of Padua, Italy.
Thesis title: “*Executive function performance test. A test for the ecological assessment of executive function.*” Supervisor: Prof. Franca Stabulum

RESEARCH INTEREST

I have two major research interests. The first is the role of **body representations and action awareness** in contributing to the sense of self. The second regards the **emotional processes**. These themes are investigated in both healthy and clinical populations (Functional Neurological Disorders, Parkinson’s Disease, Dstonia) by means of behavioral approach and stimulation techniques (tDCS).

FUNDING ID

- 2019 **Basic research grant University of Verona** (€55.926) as collaborator for the project: Behavioral and neural correlates of perceived effort during willed actions”.
2015 **Basic research grant University of Verona** (€63.184) as collaborator for the project: “The sense of agency and the sense of body ownership: Which is the role of the cerebellum?”.
2012 **Cooperint** University of Verona (€4.000) as visiting student for 6-months research period at the Institute of Cognitive Neuroscience - University College London, London, UK.

AWARDS AND HONORS

- 2015 **SIPF Junior award** from the Italian Society of Psychophysiology

MEMBERSHIP

- 2020 Member of the Cognitive Neuroscience Society (CNS)
2015 Member of the Italian Society of Psychophysiology and Cognitive Neuroscience (SIPF)

INVITED SPEAKER

- 2019 Psychological treatment strategies in functional movement disorders. Functional Motor Disorders: New Advances. Accademia LIMPE-DISMOV congress, Verona, Italy.

2015 Transforming the thermal grill effect by crossing the fingers. XXIII Congresso Nazionale Società Italiana di Psicofisiologia e Neuroscienze Cognitive.

ORAL COMMUNICATION

2020 Attentional avoidance of emotions in functional movement disorders. European Workshop on Cognitive Neuropsychology. Brixen, Italy.

2015 Susceptibility to the RHI is modulated by individuals' sensory suggestibility (2015). European Brain and Behavior Society and European Behavioral and Pharmacological Society Joint meeting, Verona, Italy.

2015 Transforming the thermal grill effect by crossing the fingers(2015). XXIII Congresso Nazionale Società Italiana di Psicofisiologia, Lucca, Italy.

2012 Aristotle's illusion in focal hand dystonia. XLIII Congresso della Società Italiana di Neurologia (SIN), Rimini, Italy.

2010 Executive Function Performance Test: a test for ecological assessment of executive functions. Congresso del Gruppo Interprofessionale di Riabilitazione Neuropsicologica (GIRN), Padua, Italy.

CONFERENCE ABSTRACT AND POSTERS

1. **Marotta A**, Zampini M, Re A, Fiorio M (2020). Neural correlates of the relation between body ownership and agency: a tDCS study. Virtual Meeting. Cognitive Neuroscience Society.
2. **Marotta A**, Fiorio M, Demartini B, Riello M, Tecilla G, Dallochio C, Tinazzi (2020). Attentional avoidance of emotions in functional movement disorders. European Congress on Cognitive Neuropsychology, Brixen, Italy.
3. **Marotta A**, Zampini M, Re A, Fiorio M (2020). Neural correlates of the relation between body ownership and agency: a tDCS study. Virtual Meeting. European Congress on Cognitive Neuropsychology, Brixen, Italy. January 26-31
4. **Marotta A**, Zampini M, Re A, Fiorio M (2019). Neural correlates of the relation between body ownership and agency: a tDCS study. XXVI Congresso Nazionale Società Italiana di Psicofisiologia e Neuroscienze Cognitive, Ferrara, Italy.
5. **Marotta A**, Erro R, Fiorio M (2018) The proprioceptive drift in the rubber hand illusion is influenced by the peri-hand space rather than the body midline. XXVI Congresso Nazionale Società Italiana di Psicofisiologia e Neuroscienze Cognitive, Torino, Italy.
6. **Marotta A**, Bonassi G, Lagravinese G, Paletti G, Erro R, Avanzino L, Fiorio M (2018) Cerebellar tDCS improves proprioception in focal hand dystonia: preliminary results from a RHI study. XXVI Congresso Nazionale Società Italiana di Psicofisiologia e Neuroscienze Cognitive. Torino, Italy. November 15-17.
7. **Marotta A**, Zampini M, Tinazzi M, Fiorio M (2017). The sense of body ownership across the life span: new evidence from the rubber hand illusion. XXV Congresso Nazionale Società Italiana di Psicofisiologia e Neuroscienze Cognitive. Roma, Italy.
8. **Marotta A**, Bombieri F, Zampini M, Federico Schena F, Dallochio C, Fiorio M, Tinazzi M (2017). Sense of agency and sense of body ownership in functional movement disorders: new evidence from the moving Rubber Hand Illusion paradigm. III Congresso accademia LIMPE-DISMOV. Verona, Italy. May 17-19.
9. **Marotta A**, Bombieri F, Zampini M, Federico Schena F, Dallochio C, Fiorio M, Tinazzi M (2016). Sense of agency and sense of body ownership in functional movement disorders. XXIV Congresso Nazionale Società Italiana di Psicofisiologia. Milano, Italy.
10. **Marotta A**, Bombieri F, Zampini M, Federico Schena F, Dallochio C, Fiorio M, Tinazzi M (2016). The moving Rubber Hand Illusion as a tool to study sense of agency and sense of body ownership in Functional Movement Disorders. 4th International Workshop on Synaptic Plasticity: from bench to bedside. Lucca, Italy.
11. **Marotta A**, Zampini M, Cavedini C, Tinazzi M, Fiorio M (2015). The sensory suggestibility modulates individuals' suggestibility to the Rubber Hand Illusion. XXIII Congresso Nazionale Società Italiana di Psicofisiologia. Lucca, Italy.

TEACHING EXPERIENCES

Given lessons

Functional Neurological Disorders: diagnosis and treatment. Course: Introduction to medical humanities - Unit: Clinical Psychology. Five years degree in Medicine and Surgery, University of Verona. Verona, 18/12/2019 (1 hour)

Novel approach to the management of functional neurological disorders. ECM Course (15,6 credits) for General Practitioners. Ordine dei Medici Chirurghi e Odontoiatri della provincia di Verona (OmceoVR). Verona, 25/10/2018 - 9/11/2018 - 23/11/2018, 7/12/2018, 14/12/2018 (12,5 hours).

Psychological and cognitive processes in functional neurological disorders. PhD program in Neurosciences, Psychological and Psychiatric sciences, and Movement Sciences. University of Verona. Verona, 13/11/2018 (3 hours).

Alterations of self-representation: the case of functional neurological disorders. PhD program in Neurosciences, Psychological and Psychiatric sciences, and Movement Sciences. University of Verona. Verona, 3/10/2017 (2 hours).

Illusions to study body representations. PhD program in Neurosciences, Psychological and Psychiatric sciences, and Movement Sciences. University of Verona. Verona, 26/09/2017 (2 hours).

Functional neurological disorders. Course: Adapted motor learning. Master's degree in Preventive and Adapted Exercise Science. University of Verona. Verona, 2016 (2 hours).

EDITORIAL ACTIVITY

2017- ongoing Review Editor for Frontiers in Neurology (section Movement Disorders).

AD-HOC REFEREE

PlosOne, Frontiers in Neurology, Frontiers in Psychiatry, Frontiers in Psychology.

LIST OF PEER-REVIEWED PUBLICATIONS

1. Erro M*, **Marotta A***, Fiorio M (2020). *Proprioceptive drift is affected by the intermanual distance rather than the distance from the body midline in the rubber hand illusion.* Attention Perception and Psychophysics (Accepted). *Equal authorship.
2. Cecchini MP, Tamburin S, Zanini A, Boschi F, Demartini B, Goeta D, Dallochio C, **MarottaA**, Fiorio M, Tinazzi M (2020). *Hedonicity in functional motor disorders: a chemosensory study assessing taste.* Journal of Neural Transmission, 10.1007/s00702-020-02244-5.
3. Boscolo Galazzo I, Magrinelli F, Pizzini FB, Storti SF, Agosta F, Filippi M, **Marotta A**, Mansueto G, Menegaz G, Tinazzi M. (2020). *Voxel-based morphometry and task functional magnetic resonance imaging in essential tremor: evidence for a disrupted brain network.* Scientific reports (Accepted).
4. **Marotta A***, Fiorio M*, Riello M, Demartini B, Tecilla G, Dallochio C, Tinazzi M (2020). *Attentional avoidance of emotions in functional movement disorders.* Journal of psychosomatic research, 133: 110100. *Equal authorship.
5. **Marotta A**, Sarno E, Del Casale A, Pane M, Mogna A, Amoroso A, Felis GE, Fiorio M (2019). *Effects of probiotics on cognitive reactivity, mood and sleep quality.* Frontiers in Psychiatry, 10:164.
6. **Marotta A**, Zampini M, Tinazzi M, Fiorio M (2018). *Age-related changes in the sense of body ownership: new insights from the rubber hand illusion.* Plos One, 13(11):e0207528.
7. Erro R, **Marotta A**, Tinazzi M, Frera E, Fiorio M (2018). *Judging the position of the artificial hand induces a "visual" drift towards the real one during the rubber hand illusion.* Scientific reports, 8:2531.
8. Ganos C, Ferrè ER, **Marotta A**, Kassavetis P, Rothwell J, Bhatia K, Haggard P (2018). *Cortical inhibitory function in cervical dystonia.* Clinical Neurophysiology, 129: 466–472.

9. **Marotta A**, Bombieri F, Zampini M, Schena F, Dallochio C, Fiorio M, Tinazzi M (2017). The moving Rubber Hand Illusion Reveals that explicit sense of agency for tapping movements is preserved in Functional Movement Disorders. *Frontiers in Human Neuroscience*, 11:291.
10. **Marotta A**, Tinazzi M, Cavedini C, Zampini M, Fiorio M (2016). Individual differences in the Rubber Hand Illusion are related to sensory suggestibility. *PlosOne*, 11(12): e0168489.
11. **Marotta A***, Ferrè ER*, Haggard P. (2015). Transforming the thermal grill effect by crossing the fingers. *Current Biology*, 25: 1-5. *Equal authorship.
12. Fiorio M, Emadi Andani M, **Marotta A**, Classen J, Tinazzi M. (2014). Placebo-induced changes in excitatory and inhibitory corticospinal circuits during motor performance. *The Journal of Neuroscience*, 34: 3993– 4005.
13. Fiorio M, **Marotta A**, Ottaviani S, Pozzer L, Tinazzi M. (2014). Aristotle’s illusion in Parkinson’s disease: evidences of normal tactile perception. *Plos One*, 9: e88686.
14. Tinazzi M, **Marotta A**, Fasano A, Bove F, Bentivoglio A, Squintani G, Pozzer L, Fiorio M. (2013). The Aristotle’s illusion reveals inter-digit functional somatosensory alterations in focal hand dystonia. *Brain*, 136: 782-789.