Michela Candini – Curriculum Vitae

**PERSONAL DETAILS:**

*Date of Birth* 10/8/1986

*Place of Birth* Bologna (BO), Italy

*Nationality* Italian

**Current position:** Post-doctoral researcher - Department of Psychology, University of Bologna.

**CONTACT**

Mail to: michela.candini2@unibo.it / michela.candini@gmail.com

Phone: +39 051-2091841 - Fax: +39 051-243086

Web: https://scholar.google.it/citations?user=WHf4QWIAAAAJ&hl=it

**EDUCATION**

**2013 - 2016** May 18th. Doctor of Philosophy (PhD) in *Psychological Science* (University of Bologna, Department of Psychology, Bologna, Italy). Doctoral Thesis: The Contribution of Visual and Acoustic Information to Bodily Self Recognition; supervisor: Prof. Francesca Frassinetti.

**2012** Psychologist, enrolled to the regional professional list (Ordine degli Psicologi Emilia Romagna, n° 7358)

**2008 - 2010** November 15th. Master of Science degree (MSc) in *Neuroscience and psychological rehabilitation* - Final mark: Summa cum laude (University of Bologna, Bologna, Italy),

**2005 - 2008** July 7th. Bachelor degree (undergraduate degree) in *Behavioural and social science* – Final mark: Summa cum laude (University of Bologna, Bologna, Italy).

**WORK/RESEARCH EXPERIENCE**

**2017 October – present:** Post-doctoral researcher on the project: “Dissociation and plasticity of time in space: a study on brain damaged patients” (Supervisor Prof. Francesca Frassinetti) - Department of Psychology, University of Bologna.

**2013 July – 2014 April:** VisitingPhD student at Institute Cognitive of Neuroscience - ICN (University College of London, UK) Supervisor: Dr Marinella Cappelletti.

**2013 – 2015:** PhD student with fellowship, Department of Psychology, University of Bologna, Viale Berti Pichat, 5 - 40127 Bologna.

**2011 November – 2012 May:** Internship, S. AGOSTINO HOSPITAL BAGGIOVARA, Department of Neurology, University of Modena – Reggio Emilia, Via Giardini 1355 - 41126 Modena. Advisor: Dr Mariangela Molinari.

**2011 May – November:** Internship, VILLA BELLOMBRA HOSPITAL - Via Bellombra 24 - 40136 Bologna, Italy. Advisor: Dr Gabriella Lupi.

**AWARDS, TRAVEL GRANTS and FELLOWSHIPS**

**2018 –**Best Poster Presentation Award - Hogrefe (January 2018, XII Developmental Neuropsychology Conference - *Giornate di Neuropsicologia dell’età evolutiva*, Brixen, Italy)

**2015 -** Summer School “The Visceral Mind – A hands-on course in the neuroanatomy of cognition” (September 2015, University Wales, Bangor, UK)

**2015** - Summer School “The social self: how social interactions shape body and self-representations” (June 2015 – Aegina, Greece) funded by Centre for the Study of Senses (Institute of Philosophy).

**2015** - ENCODS: European Neuroscience Conference (April, 2015 - Sesimbra, Portugal) funded by Champalimaud Foundation.

**2014** - Summer School “From Clinic to Research: Designs, Analyses, Ethics” (September 2014 – Berlin), funded by FESN (Federation of the European Societies of Neuropsychology)

**2013 July – October:** Marco Polo Travel Grant from University of Bologna, Italy.

**2013** Summer School “Embodied Inter-subjectivity: the 1st-person and the 2nd-person perspective” (June 2013 – Aegina, Greece) funded by “European Platform for Life Sciences, Mind Sciences and the Humanities” Volkswagen Foundation Grants and Centre for the Study of Senses.

**2013** Awarded a three-year Fellowship from University of Bologna, Italy (PhD Program).

**SKILLS & ACTIVITIES**

*Expertise* Neuropsychology, Cognitive Neuroscience, Social Cognition, Developmental disorders (Autism), Transcranial Alternate Current (tACS) Stimulation, Data and Statistical Analysis (SPSS, STATISTICA software), Lesion Mapping (MRIcro, MRIcron, NPM, SPM software); Experiment design and analysis (E-Prime, Matlab software).

*Language* English, French and Italian

*Interest* The space around the one’s own body

During my PhD. project, my research interests were mainly focused on investigating both characteristics and functioning of multiple spatial representations: the bodily, the social and the action space.

* The *bodily space* corresponds to the corporeal surface and its spared representation is strictly linked to our ability to properly recognize a body-part as belong to our own body. I investigated the mechanism and the neural basis of bodily self-recognition by studying neuropsychological patients.
* The *social space* is the area around the body where interactions with others people typically occur. I studied the plasticity of this space in children with typical and atypical development. The goal of this line of research was to understand which factors modulate the social space.
* The *action space* represents the space around the body within the arm’s reaching distance. The boundary of this space is dynamic and can be extended following using a tool which allow to reach object placed outside the arm’s reaching distance. Since several evidence demonstrated a tight link between time and space representations, I explored whether time perception can be influenced by tool-use training in a group of healthy participants.

In my research activities, I combined behavioural measures with a neuropsychological approach to improve our understanding of these multiple spatial representations.

**FULL LIST OF PUBLICATIONS**

**2018**

Candini M., Giuberti V., Santelli E., di Pellegrino G. and Frassinetti F. (2018). Dissociazione tra spazio d’azione e spazio sociale nell’autismo. Qi: Questioni e idee in psicologia https://qi.hogrefe.it/rivista/dissociazione-tra-spazio-dazione-e-spazio-sociale-nellautismo/

Borghini G.\*, Candini M.\*, Filannino C.\*, Hussain M., Walsh V., Romei V., Zokaei N., Cappelletti M. (2018). Alpha oscillations are causally linked to inhibitory abilities in ageing. Journal of Neuroscience, 1285-17 – doi: 10.1523/JNEUROSCI.1285-17.2018 **IF 5.988**

Candini M., Avanzi S., Cantagallo A., Zangoli M.G., Benassi M., Querzani P., Lotti E.M., Iachini T., Frassinetti F. (2018). The lost ability to distinguish between self and other voice following a brain lesion.NeuroImage: Clinical, 18, 903-911 – doi: 10.1016/j.nicl.2018.03.021 **IF 4.348**

**2017**

Candini M., Giuberti V., Manattini A., Grittani S., di Pellegrino G. and Frassinetti F. (2017). Personal space regulation in childhood autism: effects of social interaction and person’s perspective. Autism Research – doi: 10.1002/aur.1637 **IF 3.765**

**2016**

Heinen, K., Sagliano, L., Candini M., Husain, M., Cappelletti, M., and Zohakei N., (2016). Cathodal transcranial direct current stimulation over posterior parietal cortex enhances distinct aspects of visual working memory. Neuropsychologia, 87, 1, 35–42. - doi: <http://dx.doi.org/10.1016/j.neuropsychologia.2016.04.028> **IF 3.197**

Candini M**.,** Farinelli M., Ferri F., Avanzi S., Cevolani D., Gallese V., Northoff G., and Frassinetti F. (2016) Implicit and explicit routes to recognize the own body: evidence from brain damaged patients. Frontiers in Human Neuroscience, 31, 10, 405 –
doi: <http://dx.doi.org/10.3389/fnhum.2016.00405> **IF 3.209**

**2015**

Anelli F., Candini M., Cappelletti M., Oliveri M. and Frassinetti F. (2015) The remapping of time by tool-use. PlosOne, e0146175 – doi: <http://dx.doi.org/10.1371/journal.pone.0146175> **IF 3.53**

**2014**

Candini M., Zamagni E., Nuzzo A., Ruotolo F., Iachini T., and Frassinetti F. (2014) Who is speaking? Implicit and explicit self and other voice recognition. Brain and Cognition, 92, 112–117. – doi: <http://dx.doi.org/10.1016/j.bandc.2014.10.001> **IF 2.43**

**PRESENTATIONS AT NATIONAL/INTERNATIONAL CONFERENCES, SUMMER-SCHOOLS, WORKSHOPS**

**2018**

When social and action space diverged: a study on children with Autism Spectrum Disorders. Conference: MeeTo Torino, Italy, May 25-27 [oral presentation]

When social and action space diverged: a study on children with Autism Spectrum Disorders. Conference: Meeting of XII Developmental Neuropsychology - *Giornate di Neuropsicologia dell’età evolutiva*, Brixen, Italy, January 17-20 [poster presentation]

**2016**

Personal space regulation in childhood autism: effects of social interaction and person’s perspective. Conference: Annual Meeting of SINP (Italian Neurospychology Society), Milano, Italy, December 3. [oral presentation]

**2015**

How social interaction and person’s perspective influence the personal space in autistic children. Conference: Summer School “The social self: how social interactions shape body and self-representations” Aegina, Greece, June 21-27. [oral presentation]

The contribution of voice in bodily self-recognition. Conference: Annual Meeting of SINP (Italian Neurospychology Society), Padova, Italy, November 28. [oral presentation]

Implicit and explicit recognition of one’s own body: evidence for a dissociation in brain damaged patients. Conference: Meeting of EWCN (European Cognitive Neuroscience), Brixen, Italy, January 25- 30. [poster presentation]

**2014**

A study on Implicit and Explicit self-voice recognition. Conference: Meeting of EWCN (European Cognitive Neuroscience), Brixen, Italy, January 26-31. [oral presentation]

**2013**

Implicit and Explicit self-voice recognition. Conference: Meeting of FESN (Federation of European Societies of Neuropsychology) and the GNP (German Society of Neuropsychology), Berlin, Germany, September 12- 14. [poster presentation]

A study on Implicit and Explicit self-voice recognition. Conference: Summer School on “Embodied Inter-subjectivity: the 1st person and the 2nd person perspective”, Aegina, Greece, June 9-15. [oral presentation]

Bologna,

23/04/2018