

MARTINA MONTALTI

LAST POSITION

Feb 2022 – Jan 2024

Post-doc fellow

Department of Clinical and Experimental Sciences. Brescia University, Italy

Supervisor: Prof. Giovanni Mirabella

EDUCATION

Nov 2018 – May 2022

Ph.D in Neuroscience

Department of Medicine and Surgery – Unity of Neuroscience

Parma University, Viale Volturno, 39E – 43125 Parma, Italy

- **Thesis:** *The embodiment of negation. Behavioural and EEG evidence on the role of motor inhibitory mechanisms during the processing of explicit and implicit forms of sentence negation. (Supervisor: Professor Vittorio Gallese)*

01/10/2013 – 27/10/2015

Master Degree in clinical psychology, developmental psychology, and neuropsychology.

University of Milano-Bicocca (Italy)

- **Thesis:** *Hemispheric lateralization of emotions. An anatomical-clinical correlation study. (Supervisor: Professor Costanza Papagno)*
- **Internship:** brain lesion mapping using MRIcron

01/10/2010 – 13/11/2013

Bachelor Degree in psychological sciences

University of Milano-Bicocca (Italy)

- **Thesis:** *The brain lies: the neurobiological basis of lies. (Supervisor: Professor Alice Mado Proverbio)*

Internship: observation and assessment of patients affected by dementia

RESEARCH EXPERIENCE AND CLINIC ACTIVITIES

Nov 2017 – Aug 2018

Internship

Alzheimer's Neuroimaging and Epidemiology Lab

Fate Bene Fratelli (Brescia, Italy)

- **Research topic:** *Volumetric accuracy and reproducibility of a fully automatic tool for White Matter Hyperintensities (WMHs) Segmentation. (Supervisors: Dott. Moira Marizzoni, Professor Giovanni Battista Frisoni)*
- **Clinical practice:** assessment of patients affected by dementia.
- **Tutor** (Supervisors: Dott. Moira Marizzoni, Professor Giovanni Battista Frisoni)

Jan 2017 - Nov 2017

Psychological support

MISSONI SPA - Sumirago (VA, Italy)⁷

- **Project:** *job placement of people with disability.*

Apr 2016 – Oct 2016

Research trainee (post-degree internship in Psychology)

University of East London (UEL) – London (UK)

- **Research project:** *Pain and Body Representation investigation using Virtual Reality (Professor Matteo Martini)*

Sept 2015 – Apr 2016

Research trainee (post-degree internship in Psychology)

UP.51 Psychiatry Department, S.Paolo Hospital – Milano (Italy)

- **Clinical practice:** *observation and assessment of acute phase patients (Supervisor: Dott. Costanzo Gala)*

SCIENTIFIC CONFERENCES

22-24 June 2022

AISC midterm conference 2022
Parma (Italy)

“Emotional Body Postures affect inhibitory control only when are task-relevant.”

ORAL PRESENTATION

01 October 2021

Research Day – University of Parma
Castello di Rivalta (PC, Italy)

“The role of motor inhibition in implicit negation processing: theoretical reflections based on two Go/NoGo studies.”

ORAL PRESENTATION

20-29 September 2021

ESLP 2021 – Embodied and Situated Language Processing
Online Conference

“The role of motor inhibition in implicit negation processing: theoretical reflections based on two Go/NoGo studies.”

ORAL PRESENTATION

8-9 July 2021

XPRAG.IT 2021
Online Conference

“The role of motor inhibition in implicit negation processing: theoretical reflections based on a Go/NoGo study”

POSTER PRESENTATION

20-21 November 2020

SINP2020 – Società Italiana di NeuroPsicologia
Online Conference

“Is motor inhibition involved in the processing of sentential negation? An assessment via the Stop Signal Task”

ORAL PRESENTATION

01-02 October 2020

XPRAG.DE 2020
Online Conference

“Is motor inhibition involved in the processing of sentential negation? An assessment via the Stop Signal Task”

POSTER PRESENTATION

18-19 September 2019

XPRAG.2019 eXperimental PRAGmatic Conference –
Cagliari, Italy

“On the embodiment of negation”.

POSTER PRESENTATION

INDEXES OF SCIENTIFIC PRODUCTION

Articles on peer-reviewed journals: 9 (*first name in 3 papers; corresponding author in 1 paper*);

Total Citations: **144**;

H-index: **5**;

(* Data from Scopus, January 05th, 2024)

PUBLICATIONS

Montalti, M., & Mirabella, G. (*under review in *Frontiers in Psychology**). Investigating the Impact of Surgical Masks on behavioral reactions to Facial Emotions in the COVID-19 Era.

Montalti, M., Calbi, M., Umiltà, M. A., Gallese, V., & Cuccio, V. (*under review in *Psychological Research**). The role of motor inhibition in implicit negation processing: two Go/NoGo behavioral studies.

Mirabella, G., Pilotto, A., Rizzardi, A., **Montalti, M.**, Olivola, E., Zatti, C., Di Caprio, V., Ferrari, E., Modugno, N., & Padovani, A. (2024). Effects of dopaminergic treatment on inhibitory control differ across Hoehn and Yahr stages of Parkinson’s disease. *Brain Communications*, 6(1), fcad350.

Kolesnikov, A., Bamford, J. S., Andrade, E., **Montalti, M.**, Calbi, M., Langiulli, N., Parmar, M., Guerra, M., Gallese, V., & Umiltà, M. A. (2023). Kinetic Cross-Modal Correspondences and Felt (e) Motion in a Novel Set of Musical Stimuli. *Music & Science*, 6, 20592043231214686.

Montalti, M., & Mirabella, G. (2023). Unveiling the influence of task-relevance of emotional faces on behavioral reactions in a multi-face context using a novel Flanker-Go/No-go task. *Scientific Reports*, 13(1), 20183.

Banks, B., Borghi, A. M., Fargier, R., Fini, C., Jonauskaitė, D., Mazzuca, C., **Montalti, M.**, Villani, C., & Woodin, G. (2023). Consensus paper: Current perspectives on abstract concepts and future research directions. *Journal of Cognition*, 6(1).

Calbi M*, **Montalti M***, Pederzani C, Arcuri E, Umiltà MA, Gallese V and Mirabella G (2022) Emotional body postures affect inhibitory control only when task-relevant. *Frontiers in Psychology*. 13:1035328. doi: 10.3389/fpsyg.2022.1035328 [*These authors have contributed equally to this work and share first authorship]

Kolesnikov, A., **Montalti, M.**, Calbi, M., Langiulli, N., Guerra, M., Gallese, V., & Umiltà, M. A. (2021). Simulating drone and bodily gestures: a behavioral study. *psyarxiv.com*

Montalti, M., Calbi, M., Cuccio, V., Umiltà, M. A., & Gallese, V. (2021). Is motor inhibition involved in the processing of sentential negation? An assessment via the Stop-Signal Task. *Psychological Research*, 1-14.

Calbi, M., Langiulli, N., Ferroni, F*, **Montalti, M.***, Kolesnikov, A., Gallese, V. & Umiltà, M.A., (2021). The consequences of COVID-19 on social interactions: an online study on face covering. *Sci Rep 11, 2601*. [*These authors contributed equally]

Ribaldi, F., Altomare, D., Jovicich, J., Ferrari, C., Picco, A., Pizzini, F. B., Soricelli, A., Mega, A., Ferretti, A., Drevelegas, A., Bosch, B., Müller, B.W., Marra, C., Cavaliere, C., Bartrés-Faz, D., Nobili, F., Alessandrini, F., Barkhof, F., Gros-Dagnac, H., Ranjeva, J.P., Wiltfang, J., Kuijter, J., Sein, J., Hoffmann, K.T., Roccatagliata, L., Parnetti, L., Tsolaki, M., Constantinidis, M., Aiello, M., Salvatore, M., **Montalti, M.**, ... & Marizzoni, M. (2021). Accuracy and reproducibility of automated white matter hyperintensities segmentation with lesion segmentation tool: A European multi-site 3T study. *Magnetic Resonance Imaging*, 76, 108-115.

Caola, B., **Montalti, M.**, Zanini, A., Leadbetter, A., Martini, M. (2018). The bodily illusion in adverse conditions: virtual arm ownership during visuomotor mismatch. *Perception*, 0301006618758211

Zanini, A., **Montalti, M.**, Caola, B., Leadbetter, T., Martini, M. (2017). Pain during illusory own arm movement: a study in immersive virtual reality. *European Medical Journal*, 2(2): 90-97

LANGUAGES

Italian: mother tongue

English:

Comprehension		Spoken language		Written language
<i>Listening</i>	<i>Reading</i>	<i>Oral interaction</i>	<i>Oral production</i>	
B2	C1	B2	B2	B2

TECHNICAL SKILLS (and hardware/software knowledge):

- **Neurophysiological techniques:** HD-EEG - Geodesic 128 channels (EGI), Virtual Reality;
- **Software:** NETSTATION, EEGLAB (MatLAB toolbox), MatLAB
- **Data analysis:** R, SPSS, Jamovi;
- **Experiment design:** E-Prime, Psychopy, Labvanced, CANTAB, Prolific, Psytoolkit, Cortex;
- **Neuropsychological assessment:** administration of neuropsychological tests with calibration on the Italian population, on the main cognitive functions.
- **S.O.:** Windows, Mac Osx;
- **Office Packages:** Microsoft Office (Word, Excel, PowerPoint), Open Office (all software);
- **Vector image software:** Adobe Photo, Blender (cgtrader, turbosquid), CorelDraw.