

PERSONAL INFORMATION	<b>Valentina Bruno</b>	Position Post doc research fellow, Department of Psychology, University of Turin
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 Department of Psychology  
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Affiliation: MANIBUS Lab (Movement ANd body In Behavioral and physiological neuroscience)  
 Sex: Female | Date of birth: 28/12/1989 | Nationality: Italian | Umberto and Tommaso's mum

## EDUCATION

- 2021 Ph.D. In Neuroscience (cum laude)  
 Department of Psychology, University of Turin  
 Thesis' title: "Motor awareness: from pathological models to normal functioning". Supervisor: Prof. Francesca Garbarini
- 2015 2nd Level post-graduated master's degree in "Neuropsychology: Assessment, Diagnosis and Rehabilitation"  
 Catholic University of the Sacred Heart of Milan, Italy  
 Thesis' title: "Rehabilitative treatment in a patient with traumatic brain injury". Supervisor: Dr. Davide Vernè
- 2014 Italian professional habilitation to practice as Psychologist  
 University of Padua, Italy
- 2013 Master's degree in Neuroscience and Neuropsychological Rehabilitation (110/110)  
 University of Padua, Italy  
 Thesis' title: "tDCS application in a patient with presenile Alzheimer's dementia: clinical-experimental investigation on a single case with high cognitive reserve". Supervisor: Prof. Sara Mondini
- 2011 Bachelor's degree in psychological sciences and techniques (110/110 cum laude)  
 University of Turin, Italy  
 Thesis' title: "Modulation of the bimanual coupling effect during motor observation tasks: interference and facilitation of the observed actions on the performed actions". Supervisor: Prof. Anna Berti
- 2008 High school degree  
 Classical Lyceum Vittorio Alfieri of Turin, Italy

## ACADEMIC APPOINTMENTS

- 2020-now Post doc research fellow (maternity leave: 07/2021-06/2022)  
 Department of Psychology, University of Turin
- 2018-now Tutor of post-graduate trainees in Psychology  
 Department of Psychology, University of Turin
- 2016 Expert (Italian translation: *Culture della materia*) in *Body representation in normal and pathological conditions* (M-PSI/02)



**Others:** Neuropsychological experimental design and data analysis; Neuroimaging (fMRI) experimental design and data analysis; Psychophysiological techniques (SCR, EMG, EEG); Morphological and functional neuroimaging techniques (MRI, fMRI, DTI); non-invasive brain stimulation techniques (TMS, rTMS, tDCS); Clinical neuropsychological diagnosis and rehabilitation. Psychological interview. Social skills in team working.

## EDITORIAL ACTIVITIES

Guest Associate Editor

Frontiers in Human Neuroscience (Sensory Neuroscience)

Ad hoc Referee for peer-reviewed journals

Scientific Reports; European Journal of Neuroscience; Frontiers in Human Neuroscience; Archives Italiane de Biologie; BMC Oral Health; Brain Research; Attention, Perception & Psychophysics; Journal of Pain Research; Experimental Brain Research.

## MEMBERSHIP IN SCIENTIFIC SOCIETIES

2017- Member, Cognitive Neuroscience Society (CNS, USA)

2017- Member, Federation of European Neuroscience Society (FENS, Europe)

2017- Member, European Brain and Behaviour Society (EBBS, Europe)

## GRANTS

2019 Travel grant from the Italian Association of Neuropsychology (SINP)

To attend the Lesion Analysis Workshop, Tübingen, April 12th & 13th, 2019 (€ 500)

2018-2019 IBRO InEurope Short Stay Grant Program

In collaboration with Mark Schram Christensen, University of Copenhagen, Denmark (€ 3000)

2017-2018 Fly Your Thesis!2017, European Space Agency (ESA)

In collaboration with Pietro Sarasso. Project entitled: "The role of gravitational input in shaping the sensation of bodily ownership" (€ 7.686)

## AWARDS AND HONORS

2016 Abstract award winner at 10th Annual Rovereto Workshop on Concepts, Actions and Objects (CAOs) 2016, with the study "The functional role of ventral premotor cortex in motor monitoring: an fMRI study during movement execution and mechanic limb immobilization."

[https://www.youtube.com/watch?v=IG9Rw\\_udQM0](https://www.youtube.com/watch?v=IG9Rw_udQM0)

## LANGUAGES

Italian (mother tongue)

English (understanding: C2 – speaking: C1 – writing: C1)

## SCIENCE COMMUNICATION & MEDIA

2022 European Researchers' night - UNIGHT - United citizens for research

Palazzina Aldo Moro, Sep 25<sup>th</sup>, Turin, Italy

2020 European Researchers' night - Sharper Night Official

<https://youtu.be/4VNDRvKNhSw>

Le illusioni dei sensi / The illusions of the senses – Brain Awareness Week

<https://www.youtube.com/watch?v=M5avVzAV3cE&t=1908s>

2018 Neuropsicologia a gravità zero / Neuropsychology at 0 gravity - Brain Awareness Week

Palazzo Badini, Mar 12th, Turin, Italy

- BBC  
<http://www.bbc.com/future/story/20180206-the-flight-that-brings-space-weightlessness-to-earth>
- 2017 European Space Agency (ESA) Space in Videos  
[http://www.esa.int/spaceinvideos/Videos/2017/12/Fly\\_Your\\_Thesis!\\_2017\\_-\\_SaMBA](http://www.esa.int/spaceinvideos/Videos/2017/12/Fly_Your_Thesis!_2017_-_SaMBA)  
 ESA's zero G science – ESA TV  
[http://www.esa.int/esatv/Videos/2017/12/Zero-G\\_science](http://www.esa.int/esatv/Videos/2017/12/Zero-G_science)  
 European Researchers' night - Notte Europea dei Ricercatori  
 Piazza Castello, 29th September, Turin, Italy  
 TG Leonardo – Rai 3  
<http://www.rai.it/dl/RaiTV/programmi/media/ContentItem-10911f4a-5e8b-4d40-b54d-9d20073b1afd.html>
- 2016 European Researchers' night - Notte Europea dei Ricercatori  
 Piazza Castello, 30th September, Turin, Italy
- 2015 European Researchers' night - Notte Europea dei Ricercatori  
 Piazza Castello, 25th September, Turin, Italy

## CAREER BREAKS

- August 2019 – August 2020 Maternity leave  
 July 2021 – June 2022 Maternity leave

## PUBLICATIONS

Indices of impact and productivity Peer-reviewed articles in international journals: 33  
 Citations: 388 (Google Scholar); 303 (Scopus)  
 H-Index: 11 (Google Scholar); 10 (Scopus)  
 i10-Index: 17

Google Scholar: <https://scholar.google.it/citations?user=QTH3h38AAAAJ&hl=it>  
 Scopus: <https://www.scopus.com/authid/detail.uri?authorId=57194764008>

### Peer-reviewed journal papers

1. **Bruno V**, Castellani N, Garbarini F, Christensen MS. (2022). Moving without sensory feedback: online TMS over the dorsal premotor cortex impairs motor performance during ischemic nerve block. *Cerebral Cortex*. doi: 10.1093/cercor/bhac210
2. Biggio M, Bisio A, **Bruno V**, Garbarini F, Bove M. (2022). Wearing a Mask Shapes Interpersonal Space during COVID-19 Pandemic. *Brain Sciences*, 12(5), 682. doi: 10.3390/brainsci12050682
3. **Bruno V**, Sarasso P, Fossataro C, Ronga I, Neppi-Modona M, Garbarini F. (2022). The Rubber Hand Illusion in microgravity and water immersion. *npj Microgravity*, 8, 15. doi: 10.1038/s41526-022-00198-4
4. Errante A, Rossi Sebastiano A, Ziccarelli S, **Bruno V**, Rozzi S, Pia L, Fogassi L, Garbarini F. (2022). Structural connectivity associated with the sense of body ownership: a diffusion tensor imaging and disconnection study in patients with bodily awareness disorder. *Brain Communications*, 4(1). doi: 10.1093/braincomms/fcac032

5. Setti F, Handjaras G, Bottari D, Leo A, Diano M, **Bruno V**, Tinti C, Cecchetti L, Garbarini F, Pietrini P, Ricciardi E. A modality independent proto-organization of human multisensory areas. *bioRxiv*; 2022. doi: 10.1101/2022.03.14.484231.
6. Lettieri G, Handjaras G, Setti F, Cappello E, **Bruno V**, Diano M, , Leo A, Ricciardi E, Pietrini P, Cecchetti L. (2021). Default and control network connectivity dynamics track the stream of affect at multiple timescales. *Social Cognitive And Affective Neuroscience*. doi: 10.1093/scan/nsab112
7. Rossi Sebastiano A, **Bruno V**, Ronga I, Fossataro C, Galigani M, Neppi-Modona M, & Garbarini F. (2021). Diametrical modulation of tactile and visual perceptual thresholds during the rubber hand illusion: a predictive coding account. *Psychological Research*. doi: 10.1007/s00426-021-01608-0
8. Ronga I, Galigani M, **Bruno V**, Castellani N, Rossi Sebastiano A, Valentini E, Fossataro C, Neppi-Modona M, Garbarini F. (2021). Seeming confines: electrophysiological evidence of peripersonal space remapping following tool-use in humans. *Cortex*. <https://doi.org/10.1016/j.cortex.2021.08.004>
9. Scarpina F, **Bruno V**, Rabuffetti M, Priano L, Tagini S, Gindri P, Mauro A, Garbarini F. (2021). Drawing lines and circles in Parkinson's Disease: The lateralized symptoms interfere with the movements of the unaffected hand. *Neuropsychologia*. <https://doi.org/10.1016/j.neuropsychologia.2020.107718>
10. Ronga I, Galigani M, **Bruno V**, Noel JP, Gazzin A, Perathoner C, Serino A, Garbarini F. (2021). Spatial tuning of electrophysiological responses to multisensory stimuli reveals a primitive coding of the body boundaries in newborns. *Proceedings of the National Academy of Sciences*. <https://doi.org/10.1073/pnas.2024548118>
11. Invitto S, Romano D, Garbarini F, **Bruno V**, Urgesi C, Curcio G, Grasso A, Pellicciari AC, Koch G, Betti V, Fiorio M, Ricciardi E, De Tommaso M, Valeriani M. (2021). Major stress-related symptoms during the lockdown: a study by the Italian Society of Psychophysiology and Cognitive Neuroscience. *Frontiers in Public Health, section Public Health Policy*. <https://doi.org/10.3389/fpubh.2021.636089>
12. Galigani M, Ronga I, **Bruno V**, Castellani N, Rossi Sebastiano A, Fossataro C, Garbarini F. (2020). Face-like configurations modulate electrophysiological mismatch responses. *European Journal of Neuroscience*. <https://doi.org/10.1111/ejn.15088>
13. **Bruno V**, Ronga I, Fossataro C, Galigani M, Sacco K, Garbarini F. (2020). Long-term limb immobilization modulates inhibition-related electrophysiological brain activity. *NeuroImage*. <https://doi.org/10.1016/j.neuroimage.2020.116911>
14. Galigani M, Ronga I, Fossataro C, **Bruno V**, Castellani N, Rossi Sebastiano A, Forster B, Garbarini F. (2020). Like the back of my hand: Visual ERPs reveal a specific change detection mechanism for the bodily self. *Cortex*. <https://doi.org/10.1016/j.cortex.2020.10.014>
15. Fossataro C, Rossi Sebastiano A, Tieri G, Poles K, Galigani M, Pyasik M, **Bruno V**, Bertoni T, Garbarini F. (2020). Immersive virtual reality reveals that visuo-proprioceptive discrepancy enlarges the hand-centred peripersonal space. *Neuropsychologia*, <https://doi.org/10.1016/j.neuropsychologia.2020.107540>
16. Dell'Anna A, Rosso M, **Bruno V**, Garbarini F, Leman M, Berti A. (2020). Does musical interaction in a jazz duet modulate peripersonal space? *Psychological Research*, <https://doi.org/10.1007/s00426-020-01365-6>
17. Pia L, Fossataro C, Burin D, **Bruno V**, Spinazzola L, Gindri P, Fotopoulou K, Berti A, Garbarini F. (2020). The anatomo-clinical picture of the pathological embodiment over someone else's body part after stroke. *Cortex*. <https://doi.org/10.1016/j.cortex.2020.05.002>

18. Fossataro C, **Bruno V**, Bosso E, Chiotti V, Gindri P, Farnè A, Garbarini F. (2020). The sense of body-ownership gates cross-modal improvement of tactile extinction in brain-damaged patients. *Cortex*. <https://doi.org/10.1016/j.cortex.2020.02.004>
19. Fossataro C, Tieri G, Grollero D, **Bruno V**, Garbarini F. (2019). Hand blink reflex in virtual reality: The role of vision and proprioception in modulating defensive responses. *European Journal of Neuroscience*. <https://doi.org/10.1111/ejn.14601>
20. **Bruno V**, Carpinella I, Rabuffetti M, De Giuli L, Sinigaglia C, Garbarini F, Ferrarin M. (2019). How tool-use shapes body metric representation: evidence from motor training with and without robotic assistance. *Frontiers in Human Neuroscience*. <https://doi.org/10.3389/fnhum.2019.00299>.
21. **Bruno V**, Ronga I, Fossataro C, Capozzi F, Garbarini F. (2019). Suppressing movements with phantom limbs and existing limbs evokes comparable electrophysiological inhibitory responses. *Cortex*. <https://doi.org/10.1016/j.cortex.2019.02.024>.
22. Ronga I, Garbarini F, Neppi-Modona M, Fossataro C, Pyasik M, **Bruno V**, Sarasso P, Barra G, Frigerio M, Chiotti VC, & Pia L. (2019). 'See Me, Feel Me': Prismatic Adaptation of an Alien Limb Ameliorates Spatial Neglect in a Patient Affected by Pathological Embodiment. *Frontiers in Psychology*. <https://doi.org/10.3389/fpsyg.2018.02726>.
23. Fossataro C, **Bruno V**, Gindri P, Garbarini F. (2018). Defending the Body Without Sensing the Body Position: Physiological Evidence in a Brain-Damaged Patient with a Proprioceptive Deficit. *Front. Psychol.* <https://doi.org/10.3389/fpsyg.2018.02458>.
24. Dell'Anna A, Fossataro C, Burin D, **Bruno V**, Salatino A, Garbarini F, Pia L, Ricci R, Leman M, Berti A. (2018). Entrainment beyond embodiment. *Neuropsychologia*. <https://doi.org/10.1016/j.neuropsychologia.2018.08.017>.
25. Fossataro C, **Bruno V**, Giurgola S, Bolognini N, Garbarini F. (2018). Losing my hand. Body ownership attenuation after virtual lesion of the primary motor cortex. *Eur J Neurosci*. doi: 10.1111/ejn.14116.
26. Garbarini F, Cecchetti L, **Bruno V**, Mastropasqua A, Fossataro C, Massazza G, Sacco K, Valentini MC, Ricciardi E, Berti A. (2018). To move or not to move? Functional role of ventral premotor cortex in motor monitoring during limb immobilization. *Cerebral cortex*, doi: 10.1093/cercor/bhy134.
27. Ferrarin M, Rabuffetti M, Geda E, Sirolli S, Marzegan, A, **Bruno V**, Sacco, K. (2018). Influence of the amount of body weight support on lower limb joints' kinematics during treadmill walking at different gait speeds: reference data on healthy adults to define trajectories for robot assistance. *Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine*. <https://doi.org/10.1177/0954411918776682>
28. **Bruno V**, Fossataro C, Garbarini F. (2018). Inhibition or facilitation? Modulation of corticospinal excitability during motor imagery. *Neuropsychologia*, <https://doi.org/10.1016/j.neuropsychologia.2018.02.020>
29. Fossataro C, Bucchioni G, D'Agata F, **Bruno V**, Morese R, Krystkowiak P, Garbarini F. (2018). Anxiety-dependent modulation of motor responses to pain expectancy. *Social Cognitive and Affective Neuroscience*, <https://doi.org/10.1093/scan/nsx146>
30. **Bruno V**, Fossataro C, Garbarini F. (2017). Report of seizure induced by 10 Hz rTMS over M1. *Brain Stimulation*, <https://doi.org/10.1016/j.brs.2017.11.003>
31. Burin D, Garbarini F, **Bruno V**, Fossataro C, Destefanis C, Beri A, Pia L. (2017). Movements and body ownership: Evidence from the rubber hand illusion after mechanical limb immobilization.

*Neuropsychologia*, <https://doi.org/10.1016/j.neuropsychologia.2017.11.004>

32. **Bruno V**, Fossataro C, Bolognini N, Zigiotta L, Vallar G, Berti A, Garbarini F. (2017). The role of premotor and parietal cortex during monitoring of involuntary movement: A combined TMS and tDCS study. *Cortex*, <https://doi.org/10.1016/j.cortex.2017.09.001>
33. Fossataro C, **Bruno V**, Gindri P, Pia L, Berti A, Garbarini F. (2017). Feeling touch on the own hand restores the capacity to visually discriminate it from someone else' hand: Pathological embodiment receding in brain-damage patients, *Cortex*, <https://doi.org/10.1016/j.cortex.2017.06.004>

Peer-reviewed  
conference  
proceedings

1. Lettieri G, Handjaras G, Cappello EM, Setti F, Frati C, **Bruno V**, Diano M, Leo A, Tinti C, Garbarini F, Pietrini P, Ricciardi E, Cecchetti L. (2022). The representation of affect in vmPFC and pSTG is independent from sensory modality and experience. *OHBM Annual Meeting*, 19-23 June, Glasgow, Scotland.
2. Setti F, Handjaras G, Leo A, Diano M, **Bruno V**, Tinti C, Cecchetti L, Bottari D, Garbarini F, Pietrini P, Ricciardi E. (2021). Vision and hearing share a common representation in STS despite the lack of multisensory experience. *XXIX Annual Meeting of the Italian Society of Psychophysiology and Cognitive Neuroscience (SIPF)*, 30<sup>th</sup> Sept-2<sup>nd</sup> Oct, Palermo, Italy.
3. Lettieri G, Handjaras G, Cappello EM, Setti F, Frati C, **Bruno V**, Diano M, Leo A, Tinti C, Garbarini F, Pietrini P, Ricciardi E, Cecchetti L. (2022). The categorical representation of affect in ventromedial prefrontal cortex is independent from sensory experience. *XXIX Annual Meeting of the Italian Society of Psychophysiology and Cognitive Neuroscience (SIPF)*, 30<sup>th</sup> Sept-2<sup>nd</sup> Oct, Palermo, Italy.
4. **Bruno V**, Castellani N, Garbarini F, Christensen M. (2020). Online TMS over the dorsal premotor cortex impairs motor performance during ischemic nerve block. *Abstract of the Transcranial Brain Stimulation in Cognitive Neuroscience Workshop 2020*, 3-4 December (virtual workshop).
5. Turella L, **Bruno V**, Leo A, Diano M, Pietrini P, Tinti C, Ricciardi E, Garbarini F. (2020). Preserved functional selectivity within the parieto-frontal motor networks in congenitally blind individuals. *XXVIII Annual Meeting of the Italian Society of Psychophysiology and Cognitive Neuroscience (SIPF)*, 20-21-26-27 November (virtual meeting).
6. Galigani M, Fossataro C, Gindri P, Ronga I, Castellani N, Rossi Sebastiano A, **Bruno V**, Conson M, Garbarini F (2020). Non-visual variant of RHI reveals monochannel preference in ASC. *XXVIII Annual Meeting of the Italian Society of Psychophysiology and Cognitive Neuroscience (SIPF)*, 20-21-26-27 November (virtual meeting).
7. Setti S, Handjaras G, Diano M, **Bruno V**, Tinti C, Pietrini P, Garbarini F, Leo F, Ricciardi E. (2020). Naturalistic stimulation in sensory-deprived individuals reveals different reorganization mechanisms. *Abstracts of the 2020 Organization of Human Brain Mapping*, June 23<sup>rd</sup> -July 3<sup>rd</sup> (virtual meeting).
8. Galigani M, **Bruno V**, Fossataro C, Poles K, Castellani N, Rossi Sebastiano A, Garbarini F. (2020). You or me? Pathological embodiment after brain damage alters the self-other body boundary. *Abstract of the 38th Workshop on Cognitive Neuropsychology*, Jan 27-31, 2020, Brixen, Italy.
9. Rossi Sebastiano A, Fossataro C, Tieri G, Poles K, Galigani M, Castellani N, Pyasik M, **Bruno V**, Garbarini F. (2020). Multisensory integration in virtual reality: the role of vision and

proprioception in coding the arm position in space. *Abstract of the 38th Workshop on Cognitive Neuropsychology*, Jan 27-31, 2020, Brixen, Italy.

10. Ronga I, **Bruno V**, Galigani M, Fantoni M, Castellani N, Perathoner C, Gazzin A, Garbarini F. (2019). Multisensory integration effects in newborns: an EEG study. *XXVII Annual Meeting of the Italian Society of Psychophysiology and Cognitive Neuroscience (SIPF)*, 14-16 November 2019, Ferrara (Italy).
11. Rossi Sebastiano A, **Bruno V**, Galigani M, Fossataro C, Ronga I, Neppi-Modona M, Garbarini, F. (2019). The rubber hand illusion induces an up-regulation of visual detection. *Abstracts of the XXVII Annual Meeting of the Italian Society of Psychophysiology and Cognitive Neuroscience (SIPF)*.
12. Galigani M, Ronga I, Fossataro C, Rossi Sebastiano A, **Bruno V**, Garbarini F. (2019). For the face only: mismatch detection reveals face-like configuration preference. *Abstracts of the 7<sup>th</sup> scientific meeting of the Federation of the European Societies of Neuropsychology (FESN)*, Milan.
13. Fossataro C, Galigani M, Rossi Sebastiano A, Ronga I, **Bruno V**, Garbarini F. (2019). You or me? Defining the boundaries of self-other peripersonal space. *Abstracts of The Fuzzy Body, Body Representation Network (BRNet) workshop 2019*, Milan.
14. **Bruno V**, Sarasso P, Fossataro C, Ronga I, Neppi Modona M, Garbarini F. (2018). Illusory body experience in microgravity: the role of vestibular and proprioceptive inputs in shaping the sense of body ownership. *Abstracts of the XXVI Annual Meeting of the Italian Society of Psychophysiology and Cognitive Neuroscience (SIPF)*.
15. Rossi Sebastiano A, **Bruno V**, Fossataro C, Ronga I, Neppi Modona M, Garbarini F. (2018). The rubber hand illusion induces pseudo tactile extinction in healthy subjects. *Abstracts of the XXVI Annual Meeting of the Italian Society of Psychophysiology and Cognitive Neuroscience (SIPF)*.
16. Ronga I, **Bruno V**, Castellani N, Fossataro C, Galigani M, Neppi Modona M, Garbarini F. (2018). Near or far? Electrophysiological evidence of tool-use dependent spatial remapping in humans. *Abstracts of the XXVI Annual Meeting of the Italian Society of Psychophysiology and Cognitive Neuroscience (SIPF)*.
17. Fossataro C, Tieri G, Grollero D, **Bruno V**, Garbarini F. (2018). Hand Blink Reflex in virtual reality: the role of vision and proprioception in modulating defensive responses. *Abstracts of the XXVI Annual Meeting of the Italian Society of Psychophysiology and Cognitive Neuroscience (SIPF)*.
18. Fossataro C, Ronga I, **Bruno V**, Garbarini F. (2018). Visual Enhancement of Touch and Body Ownership: an ERP study. *International Journal of Psychophysiology*, 131S, S100. <https://doi.org/doi:10.1016/j.ijpsycho.2018.07.276>.
19. Ronga I, Pace C, **Bruno V**, Fossataro C, Vitiello B, Gaglioti P, Todros T, Garbarini F. (2018). (Almost) before your eyes: Preference for face-like configurations in the prenatal life. *International Journal of Psychophysiology*, 131S, S144. <https://doi.org/doi:10.1016/j.ijpsycho.2018.07.385>.
20. **Bruno V**, Ronga I, Fossataro C, Capozzi F, Garbarini F. (2018). Suppressing movements with a phantom limb: an ERP study. *International Journal of Psychophysiology*, 131S, S86. <https://doi.org/doi:10.1016/j.ijpsycho.2018.07.244>.
21. **Bruno V**, Grollero D, Fossataro C, Ronga I, Garbarini F. (2017). Self-touch induces an opposite modulation of tactile discrimination and interceptive awareness. *Abstracts of the VI Congress of the Italian Society of Neuropsychology (SINP)*. **Selected for oral communication.**



22. Fossataro C, **Bruno V**, Gindri P, Farnè A, Garbarini F. (2017). Modulation of tactile extinction in patients with pathological embodiment. *Abstracts of the VI Congress of the Italian Society of Neuropsychology (SINP)*.
23. **Bruno V**, Ronga I, Fossataro C, Garbarini F (2017). ERP modulations associated with no-movement awareness: P300 and N400 changes after long-term limb immobilization during a Go/Nogo task. *Abstracts of the XXV Annual Meeting of the Italian Society of Psychophysiology (SIPF)*. **Selected for oral communication.**
24. Fossataro C, **Bruno V**, Giurgola S, Bolognini N, Garbarini F (2017). Rubber hand illusion susceptibility increases after motor cortex excitability inhibition. *Abstracts of the XXV Annual Meeting of the Italian Society of Psychophysiology (SIPF)*.
25. Garbarini F, **Bruno V**, Fossataro C, Zigiotta L, Bolognini N. (2017). The role of parietal cortex during monitoring of involuntary movement: a combined TMS and tDCS study. *Abstracts / Brain Stimulation*, Volume 10, Issue 2, Pages 531–532.
26. **Bruno V**, Fossataro C, Garbarini F. (2016). Inhibition or facilitation? Modulation of corticospinal excitability during Motor Imagery. *Abstracts of the XXIV Annual Meeting of the Italian Society of Psychophysiology (SIPF) in Neuropsychological Trends 20/2016*: 69. **Selected for oral communication.**
27. Fossataro C, Ronga I, **Bruno V**, Loiacono B, Bosso E, Neppi Modona M, Garbarini F. (2016). Visuomotor Prismatic Adaptation modulates tactile perception in healthy subjects. *Abstracts of the XXIV Annual Meeting of the Italian Society of Psychophysiology (SIPF) in Neuropsychological Trends 20/2016*: 99.
28. Garbarini F, Cecchetti L, **Bruno V**, Fossataro C, D'Agata F., Sacco K, Ricciardi E, Berti A. (2016) The functional role of ventral Premotor Cortex in motor monitoring of voluntary actions: an fMRI study during mechanic limb immobilization. *Abstracts of the XXIV Annual Meeting of the Italian Society of Psychophysiology (SIPF) in Neuropsychological Trends 20/2016*: 103.
29. Loiacono B, Ronga I, Bruno V, Fossataro C, Garbarini F. (2016). I wanna hold your hand: other-touch induces sensory attenuation as in self-touch. *Abstracts of the XXIV Annual Meeting of the Italian Society of Psychophysiology (SIPF) in Neuropsychological Trends 20/2016*: 117.
30. Garbarini F, Bucchioni G, Fossataro C, **Bruno V**, Cavallo A, Pia L, Neppi-Modona M (2015), Empathy or Ownership? Evidence of corticospinal modulation during pain observation. In: *In Proceedings of the 5th Meeting of the federation of the European Societies for Neuropsychology (FESN)*: 77.
31. **Bruno V**, Fossataro C, Bolognini N, Nessi T, Zigiotta L, Garbarini F (2015). The role of premotor and parietal cortex during monitoring of involuntary movement: a combined TMS and tDCS study. *Abstracts of the XXIII Annual Meeting of the Italian Society of Psychophysiology (SIPF) in Neuropsychological Trends 18*: 87.
32. Fossataro C, Bucchioni G, **Bruno V**, D'Agata, Garbarini F (2015). Pain expectancy induces freezing effects as in the actual pain: Evidence from corticospinal modulation during classical conditioning paradigm. *Abstracts of the XXIII Annual Meeting of the Italian Society of Psychophysiology (SIPF), in Neuropsychological Trends 18*: 104.
33. **Bruno V**, Penolazzi B, Bergamaschi S, Pastore M, Villani D, Mondini S (2013). "Stimolazione transcranica a corrente continua (tDCS) e Demenza di Alzheimer: studio di un caso singolo". *Abstracts book of the XIX National Italian Association of Psychology (AIP) – Experimental Psychology section*: 16.

Peer-reviewed  
conference  
posters/talks

1. Galigani M, Ronga I, Fossataro C, **Bruno V**, Garbarini F (2019). For the face only: mismatch detection reveals face-like configuration preference. 7th scientific meeting of FESN. 5-7 September 2019, Milan (Italy).
2. Ronga I, **Bruno V**, Castellani N, Galigani M, Neppi-Modona M, Fossataro C, Valentini E., Garbarini F. (2019). Coming closer: Electrophysiological evidence of tool-use. 37th Workshop on Cognitive Neuropsychology 21-25 January 2019, Brixen (Italy).
3. **Bruno V**, Ronga I, Fossataro C, Capozzi F, Garbarini F. (2018). Inhibitory motor responses with phantom and existing limbs evoke comparable electrophysiological responses. VII Congresso della Società Italiana di Neuropsicologia, Sapienza Università di Roma, Nov 23th, Rome, Italy. **Selected for oral presentation.**
4. Ronga I, **Bruno V**, Castellani N, Galigani M, Neppi-Modona M, Fossataro C, Valentini E., Garbarini F. (2018) Spatial remapping following tool-use: An electrophysiological study in humans. VII Congresso della Società Italiana di Neuropsicologia, Sapienza Università di Roma, Nov 23th, Rome, Italy
5. **Bruno V**, Grollero D, Ronga I, Fossataro C, Capozzi F, Garbarini F. (2018). Inhibitory motor response with a phantom limb: an ERP study. MeeTo 2018: from moving bodies to interactive minds. May 25<sup>th</sup>-27<sup>th</sup> 2018, Turin, Italy. **Speaker at symposium “The body in the brain”.**
6. Fossataro C, Bonarrigo M, Ronga I, **Bruno V**, Garbarini F. (2018). Body awareness and multisensory integration: an ERP study. MeeTo 2018: from moving bodies to interactive minds. May 25<sup>th</sup>-27<sup>th</sup> 2018, Turin, Italy.
7. Ronga I, Galigani M, Fossataro C, **Bruno V**, Garbarini F. (2018). Me, my hand, and I. Repeated stimulation highlights a possible correlate of self-body recognition in visual ERPs. MeeTo 2018: from moving bodies to interactive minds. May 25<sup>th</sup>-27<sup>th</sup> 2018, Turin, Italy.
8. **Bruno V**, Ronga I, Fossataro C, Garbarini F. (2018). No-movement awareness induces ERP modulations after long-term limb immobilization in a Go/Nogo task. 25th Cognitive Neuroscience Society 2018 Annual Meeting. March 24th-27th 2018, Sheraton Hotel, Boston, Massachusetts.
9. Fossataro C, **Bruno V**, Giurgola S, Bolognini N, Garbarini F. (2018). Rubber Hand Illusion enhancement induced by motor cortex inhibition. 25th Cognitive Neuroscience Society 2018 Annual Meeting. March 24th-27th 2018, Sheraton Hotel, Boston, Massachusetts.
10. **Bruno V**. (2017). The role of gravitational input in shaping the sensation of bodily ownership. Fly Your Thesis!2017 campaign, European Space Agency (ESA Education), Dec 4<sup>th</sup>, 2017, Ingénierie et Maintenance Aéronautique (IMA), Université de Bordeaux, Merignac, France. **Oral presentation.**
11. **Bruno V**, Ronga I, Fossataro C, Garbarini F. (2017). No-movement awareness induces ERP modulations in a Go/Nogo task. Ten years of Mind/Brain Sciences at the University of Trento. October 2017, Rovereto (TN), Italy.
12. Fossataro C, **Bruno V**, Giurgola S, Bolognini N, Garbarini F. (2017). Motor system inhibition enhances the rubber hand illusion susceptibility. 10th Anniversary of the Center for Mind/Brain Science (CIMeC) of the University of Trento. Oct 19th-21st 2017, Rovereto, Italy.
13. **Bruno V**, Fossataro C, Loiacono B, Garbarini F. (2017). Inhibition or facilitation? Modulation of corticospinal excitability during Motor Imagery. 35th European Workshop on Cognitive

Neuropsychology. January 22nd-27th 2017, Brixen, Italy.

14. Garbarini F, Carpinella I, Rabuffetti M, **Bruno V**, De Giuli L, Ferrarin M. (2016). The role of motor intention in shaping the body metric representation: Tool-use training with and without robotic assistance. XVII Congresso Societa' Italiana di Analisi del Movimento in Clinica (SIAMOC), Oct 6th 2016, Milan, Italy.
15. **Bruno V**, Cecchetti L, Fossataro C, Mastropasqua A, D'Agata F, Ricciardi E, Berti A, Garbarini F. (2016). The functional role of ventral premotor cortex in motor monitoring: an fMRI study during movement execution and mechanic limb immobilization. 10th Annual Rovereto Workshop on Concepts, Actions and Objects (CAOs). Rovereto (TN), Italy, 5th-8th 2016 May. **Best abstract award and selected for oral communication.**
16. Garbarini F, Mastropasqua A, D'Agata F, Destefanis C, Fossataro C, **Bruno V**, Sacco K, Massazza G, Valentini C and Berti A (2016). The functional role of dorsal premotor cortex in motor monitoring: an fMRI study during movement execution and mechanic limb immobilization. 34th European Workshop on Cognitive Neuropsychology. Brixen, Italy, 24th-29th January.
17. Garbarini F, Bucchioni G, Fossataro C, **Bruno V**, Cavallo A, Pia L, Neppi-Modona M (2015), Empathy or Ownership? Evidence of corticopinal modulation during pain observation. In: 5<sup>th</sup> Conference of the Federation of the European Societies of Neuropsychology, Tampere, Finland, 9th-11th September.
18. Bergamaschi S, Penolazzi B, **Bruno V**, Micciulla R, Pastore M, Villani D, Sartori G, Mondini S (2014). "Stimolazione transcranica a corrente continua e malattia di Alzheimer: studio di un caso singolo". 14th National Congress of the Italian Association of Psychogeriatrics, Florence, Italy, 10th-12th April.
19. Penolazzi B, Bergamaschi S, Micciulla R, **Bruno V**, Pastore M, Villani D, Sartori G, Mondini S (2013). "Transcranial Direct Current Stimulation and cognitive training in the rehabilitation of Alzheimer disease: a case study". Non-invasive Electrical Brain Stimulation (tDCS, tACS, tRNS) Basic and Applied Research Workshop, Brescia, Italy, 30th September.

