PERSONAL INFORMATION

Giacomo Guidali

F. Cilea 9 street, Busto Arsizio (Varese), Italy

giacomo.guidali@gmail.com (personal)
giacomo.guidali@unimib.it (work)

Sex Male | Date of birth 22/10/1992 | Place of birth Gallarate, Varese, Italy | Nationality Italian

ACTUAL POSITIONS

January 2023 - Present

Research Fellow (M/PSI-02)

Department of Psychology, University of Milano-Bicocca, Milan, Italy.

Supervisor: prof. Nadia Bolognini

October 2022 - Present

Adjunct Professor (M/PSI-03)

Department of Psychology, University of Milano-Bicocca, Milan, Italy.

January 2023 - Present

Volunteer Researcher

Neuropsychology Lab, IRCCS Istituto Auxologico Italiano, Milan, Italy.

March 2018 - Present

Enrolment in the professional register of psychologists

Ordine degli Psicologi della Lombardia - section “A”, number 20266

WORK EXPERIENCE

November 2020 – October 2022

Research Fellow

Neurophysiology Lab, IRCCS Istituto Centro San Giovanni di Dio Fatebenefratelli, Brescia, Italy

Project: “*Targeting default mode network dysfunction in person at risk of Alzheimer’s disease with non-invasive techniques*”
Supervisor: dot. Marta Bortoletto

April 2019 – October 2019

Visiting PhD Student

MySpace Lab, Centre Hospitalier Universitaire Vaudois - CHUV, Lausanne, Switzerland

Supervisor: prof. Andrea Serino

November 2017 - November 2018

Visiting Researcher

Neurophysiology Lab, IRCCS Istituto Centro San Giovanni di Dio Fatebenefratelli, Brescia, Italy.

April 2017 - October 2017

Postgraduate internship (2nd semester)

Neuropsychology Lab, Neuromotor Rehabilitation Unit, IRCCS Istituto Auxologico Italiano, Milan, Italy.

Project: "*Neuropsychological assessment and rehabilitation in stroke patients*"
Supervisor: dot. Carlotta Casati

October 2016 - April 2017

Postgraduate internship (1st semester)

Department of Psychology, University of Milano-Bicocca, Milan, Italy.

Project: "*Non-invasive brain stimulation techniques*"
Supervisor: prof. Nadia Bolognini

January 2016 - June 2016

Visiting MSc Student

Neurophysiology Lab, IRCCS Istituto Centro San Giovanni di Dio Fatebenefratelli, Brescia, Italy.

September 2015
- September 2016

Undergraduate internship (MSc)

Department of Psychology, University of Milano-Bicocca, Milan, Italy.

Supervisor: Prof. Nadia Bolognini

August 2013 - October 2013

Undergraduate internship (BSc)

Infantile Neuropsychiatric Unit, San Antonio Abate Hospital, Gallarate (Varese), Italy.

Supervisor: Dot. Andrea Calcaterra

TEACHING EXPERIENCE

October 2022 - Present

Adjunct Professor

Department of Psychology, University of Milano-Bicocca, Milan, Italy.
Course: "*Psychometrics with software lab 2*"; Module: "*Software tutorials*" (M/PSI-03)
Laboratory: "*Neuropsychological methods for the study of behavior*" (M/PSI-02)

April 2020– Present

Lecturer

LUMSA Master school, Rome, Italy.
Advanced course in '*Neurophysiology and Cognitive Neuroscience'*
Teaching modules: '*Aphasia*'; '*Frontal and visuo-spatial disorders*'; '*How to publish scientific data'*

October 2022 - Present
November 2019 – October 2021

Teaching Assistant

Department of Psychology, University of Milano-Bicocca, Milan, Italy.
Course: "*Basic elements of neuroanatomy and neurophysiology*"

EDUCATION AND TRAINING

November 2017 – January 2021

Ph.D. in "Neuroscience" (cum laude) – curriculum: "Clinical Neuroscience" (XXXIII cycle)

EQF: 8

School of Medicine and Surgery, University of Milano-Bicocca, Monza, Italy.
Department of Psychology, University of Milano-Bicocca, Milan, Italy.

Thesis: '*Cross-modal plasticity in sensory-motor cortices and non-invasive brain stimulation techniques: new ways to explore and modulate brain plasticity*'

Supervisor: Prof. Nadia Bolognini

December 2017

Licensed to practice as "Psychologist"

University of Milano-Bicocca, Milan, Italy.

October 2014 - October 2016

Master degree (MSc) in "Clinical, Developmental and Neuropsychology"

EQF: 7

Department of Psychology, University of Milano-Bicocca, Milan, Italy.

- Final grade: 110/110 cum laude
- Experimental thesis in Neuroscience: "*Cross-modal proprieties of primary somatosensory cortex: a Paired Associative Stimulation study*"
  Supervisor: Prof. Nadia Bolognini, Co-supervisor: Prof. Carlo Miniussi, Advisor: Prof. Giuseppe Vallar

October 2011 - July 2014

Bachelor degree (BSc) in "Psychological Sciences"

EQF: 6

Department of Psychology, University of Milano-Bicocca, Milan, Italy.

- Final grade: 110/110 cum laude
- Bibliographic thesis in History of psychology: "*The origins of psychoanalysis in Italy: 1907-1945*"
  Supervisor: Prof. Mauro Antonelli

September 2006 - July 2011

High School Diploma

EQF: 4

Math and Science High School Arturo Tosi, Busto Arsizio, Varese, Italy.

- Final grade: 95/100

PERSONAL SKILLS

Mother tongue(s): Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	Proficient	Proficient	Independent	Independent	Proficient
	UCLES/PET (March 2009), level B1				

Communication skills

- Listening
- Open mindness
- Confidence
- Responsiveness

Organizational / managerial skills

- Team leadership
- Resourcefulness
- Time management
- Problem solving

Job-related skills

Neuroscience / Experimental Psychology:

- Transcranial Magnetic Stimulation (TMS): *single pulse* protocols, *repetitive* protocols (rTMS) and *Paired Associative Stimulation* (PAS). Excellent theoretical and practical knowledge.
- Electroencephalography (EEG) with concurrent TMS. Excellent theoretical and practical knowledge.
- Transcranial Electric Stimulation (tES). Good theoretical and practical knowledge.
- Electromyography (EMG) (using Signal, Brainvision software).
- Neuronavigation (using SoftAxic, Eximia and Brainsight software).
- Acquisition and analysis of EEG data (using Brain Vision Recorder/Analyzer software, EEG Lab, Fieldtrip).
- Construction of experimental designs/tasks with non-invasive brain stimulation (NIBS) techniques and EEG.
- Fundaments of MR images manipulation and navigation (MRIcro and SPM software).

- Statistical analysis of behavioral (e.g., reaction times, accuracy, error rate, d prime, etc.) and electrophysiological data using principal psychometric models (regression, correlation, ANOVA, mixed models) and related software.

Neuropsychology:

- Administration and scoring of principal Italian neuropsychological tests and battery.
- Fundaments of neuropsychological rehabilitation (language, memory, attention and executive functions)

Digital competence

- Statistical analysis software: R, Jamovi, Statistica, IBM SPSS.
- Operative systems: Windows, Macintosh.
- Suite: Office, Keynote.
- Experimental task creation software: E-Prime, Matlab.
- Image manipulation software: GIMP.
- Video manipulation software: iMovie, VLC, Windows Movie Maker.

Driving licence

B – with own car

ADDITIONAL INFORMATION

Bibliographic indexes

H-index: 9 (Scopus) / 10 (Google Scholar; i10 index = 10)

Total citations: 217 (Scopus) / 334 (Google Scholar)

Open Researcher and Contributor ID (ORCID): 0000-0002-3741-0404
ResearchGate profile: https://www.researchgate.net/profile/Giacomo_Guidali

Publications on international peer-reviewed journals

* Shared first authorship

First/last author:

- Picardi M.*, **Guidali G.***, Caronni A., Rota V., Corbo M., & Bolognini N. (2025). Visuomotor paired associative stimulation enhances corticospinal excitability in post-stroke patients with upper-limb hemiparesis. *Scientific Reports*, 15, 15313. 10.1038/s41598-025-98595-8
- Lucarelli D.*, **Guidali G.***, Sulcova D., Zazio A., Bonfigli N. S., Stango A., Barchiesi G. & Bortoletto M. (2025*)*. Stimulation parameters recruit distinct cortico-cortical pathways: insights from microstate analysis on TMS-evoked potentials. *Brain Topography*, 38(*39*). 10.1007/s10548-025-01113-2
- **Guidali G.**, & Bolognini N. (2025). Tracking changes in corticospinal excitability during visuomotor paired associative stimulation to predict motor resonance rewriting. *Brain Sciences, 15*(3), 257. 10.3390/brainsci15030257
- **Guidali G.***, Arrigoni E.*, Bolognini N. & Pisoni A. (2025). M1 large-scale network dynamics support human motor resonance and its plastic reshaping. *NeuroImage*, 308, 121082. 10.1016/j.neuroimage.2025.121082
- **Guidali G.**, Picardi M., Franca M., Caronni A., & Bolognini N. (2023). The social relevance and temporal constraints of motor resonance in humans. *Scientific Reports*, 13, 15933. 10.1038/s41598-023-43227-2
- **Guidali G.**, Bagattini C., De Matola M. & Brignani D. (2023). Influence of frontal-to-parietal connectivity in pseudoneglect: A cortico-cortical paired associative stimulation study. *Cortex*, 169, 50-64. 10.1016/j.cortex.2023.08.012
- **Guidali G.**, Zazio A., Lucarelli D., Marcantoni E., Stango A., Barchiesi G., & Bortoletto M. (2023). Effects of transcranial magnetic stimulation (TMS) current direction and pulse waveform on cortico-cortical connectivity: A registered report TMS-EEG study. *European Journal of Neuroscience*, 58(*8*), 3785-3809. 10.1111/ejn.16127
- **Guidali G.**, Picardi M., Gramegna, C. & Bolognini N. (2023). Modulating motor resonance with paired

associative stimulation: Neurophysiological and behavioral outcomes. *Cortex,* 163, 139-153. 10.1016/j.cortex.2023.03.006

- **Guidali G.**, Roncoroni C. & Bolognini N. (2021). Paired associative stimulations: Novel tools for interacting with sensory and motor cortical plasticity. *Behavioural Brain Research*, 414, 113484. 10.1016/j.bbr.2021.113484
- **Guidali G.**, Roncoroni C. & Bolognini N. (2021). Modulating frontal networks' timing-dependent-like plasticity with paired associative stimulation protocols: recent advances and future perspectives*. Frontiers in Human Neuroscience,* 15, 205. 10.3389/fnhum.2021.658723
- **Guidali G.**, Roncoroni C., Papagno, C. & Bolognini N. (2020). Cross-modal involvement of the primary somatosensory cortex in visual Working Memory: a repetitive TMS study. *Neurobiology of Learning and Memory*, 175, 107325. 10.1016/j.nlm.2020.107325
- **Guidali G.**, Carneiro S. I. M. & Bolognini N. (2020). Paired Associative Stimulation drives the emergence of motor resonance. *Brain Stimulation*, 13*(3)*, 627-636. 10.1016/j.brs.2020.01.017
- Maddaluno O.*, **Guidali G.***, Zazio A., Miniussi C. & Bolognini N. (2020). Touch anticipation mediates cross-modal Hebbian plasticity in the primary somatosensory cortex. *Cortex,* 126, 173-181. 10.1016/j.cortex.2020.01.008
- Zazio A.*, **Guidali G.***, Maddaluno O., Miniussi C. & Bolognini N. (2019). Hebbian associative plasticity in the visuo-tactile domain: a cross-modal paired associative stimulation protocol. *NeuroImage*, 201, 116025. 10.1016/j.neuroimage.2019.116025
- **Guidali G.**, Pisoni A., Bolognini N. & Papagno C. (2019). Keeping order in the brain: the Supramarginal Gyrus and serial order in short-term memory. *Cortex*, 119, 89-99. 10.1016/j.cortex.2019.04.009

Other positions:

- Matamala-Gomez M.*, Frisco F.*, **Guidali G.**, Lega C., Beacco A., Bolognini N., & Maravita A. (2025). Virtual body continuity during action observation affects motor cortical excitability. *Scientific Reports*, 15, 13364. 10.1038/s41598-025-97695-9
- Zazio A., Lanza C., Stango A., **Guidali G.**, Marcantoni E., Lucarelli D., Meloni S., Bolognini N., Rossi R., & Bortoletto M. (2024). Investigating visuo-tactile mirror properties in borderline personality disorder: a TMS-EEG study. *Clinical Neurophysiology*, 168, 139-152. 10.1016/j.clinph.2024.10.014
- Caronni A., Picardi M., Scarano S., Rota V., **Guidali G**., Bolognini N. & Corbo M. (2024). Minimal detectable change of gait and balance measures in older neurological patients: estimating the standard error of the measurement from before-after rehabilitation data thanks to the linear mixed-effects models. *Journal of NeuroEngineering and Rehabilitation*, 21, 44. 10.1186/s12984-024-01339-4
- Poldrack, R, … **Guidali G.**, … & Gorgolewsky, K. (2024). The past, present, and future of the Brain Imaging Data Structure (BIDS). *Imaging Neuroscience*, 2, 1-19. 10.1162/imag_a_00103
- Pisoni A., Arrigoni E., Bolognini N., **Guidali G.**, Romero Lauro, L.J. & Vergallito A. (2024). Enhanced mind-matter interactions? A commentary to Freedman et al., 2024. *Cortex*, 172, 245-248. 10.1016/j.cortex.2023.12.003
- Pievani M., Mega, A., Quattrini, G., **Guidali G.**, Ferrari C., Cattaneo A., D'Aprile I., Mascaro L., Gasparotti R., Corbo D., Brignani D. & Bortoletto M. (2021). Targeting default mode network dysfunction in persons at risk of Alzheimer's disease with transcranial magnetic stimulation (NEST4AD): rationale and study design. *Journal of Alzheimer's disease*, 83(4), 1877-1889. 10.3233/jad-210659
- Zapparoli L.*, Seghezzi, S.*, Zirone E., **Guidali G.**, Tettamanti, M., Banfi G., Bolognini N. & Paulesu E. (2020). How the effects of actions become our own. *Science Advances,* 6, eaay8301. 10.1126/sciadv.aay8301

Preprint:

- Arrigoni E., Bolognini N., Pisoni A., & **Guidali G.** (*Under review – Peer Community In – Registered Report Stage 2)*. Cortical markers of PAS-induced long-term potentiation and depression in the motor system: A TMS-EEG Registered Report. *bioRxiv.* 10.1101/2025.04.03.647045
- Arrigoni A.*, **Guidali G.***, Bolognini N., & Pisoni A. (*Under review - NeuroImage*). Frontal connectivity dynamics encode contextual information during action preparation. *bioRxiv*. 10.1101/2025.03.06.641802

In principle accepted (IPA) Registered Reports:

- Arrigoni E., Bolognini N., Pisoni A., & **Guidali G.** (*Peer Community In – Registered Report Stage 1*). Neurophysiological correlates of plasticity induced by paired associative stimulation (PAS) targeting the motor cortex: a TMS-EEG registered report. https://rr.peercommunityin.org/PCIRegisteredReports/articles/rec?id=533
- Zazio A., **Guidali G.**, Rossi R., Bolognini N., & Bortoletto M. (*Peer Community In – Registered Report Stage 1*). Cortical plasticity of the tactile mirror system in borderline personality disorder. https://rr.peercommunityin.org/articles/rec?id=367

Poster/Talks

First/last author:

- Arrigoni E., Bolognini N., Pisoni A. & **Guidali G**. *Can TMS-evoked potentials act as biomarkers of long-term potentiation or long-term depression induced by paired associative stimulation? A TMS-EEG registered report.* Poster presented at 6th International Brain Stimulation meeting. Feb 24-26, 2025. Kobe, Japan. 10.1016/j.brs.2024.12.965
- **Guidali G.**, Arrigoni E., Bolognini N. & Pisoni A. *M1 Large-scale Network Dynamics Support Human Motor Resonance and Its Plastic Reshaping*. Talk presented at XLIII European Workshop on Cognitive Neuropsychology. Jan 26-31, 2025. Brixen, BZ, Italy.
- **Guidali G.**, Arrigoni E., Bolognini N. & Pisoni A. *Can TMS-evoked potentials act as biomarkers of long-term potentiation or long-term depression induced by paired associative stimulation? A TMS-EEG registered report.* Poster presented at IV Transcranial Brain Stimulation in Cognitive Neuroscience Workshop. Nov 29-30, 2024, Rovereto, TN, Italy.
- **Guidali G.**, Picardi M., Caronni A., Rota V., Scarano S., Corbo M., & Bolognini N. *Proving the efficacy of a novel visuomotor paired associative stimulation protocol in post-stroke patients.* Poster presented at sixth International Meeting of the Milan center for Neuroscience (NeuroMI). Oct 23-25, 2024, Milan, Italy.
- **Guidali G.** *A tale of two hands: Influencing motor resonance responses through Hebbian associative learning*. Symposium talk presented at XXXII Congress of the Italian Society of Psychophysiology and Cognitive Neuroscience (SIPF). Nov 4-6, 2024, Cesena, Italy.
- **Guidali G.**, Arrigoni E., Bolognini N. & Pisoni A. *Unveiling the neurophysiological substrates of a visuo-motor paired associative stimulation protocol: a TMS-EEG study*. Poster presented at XXXI Congress of the Italian Society of Psychophysiology and Cognitive Neuroscience (SIPF). Nov 9-11, 2023, Siena, Italy.
- **Guidali G.**, Picardi M., Franca M., Caronni A. & Bolognini N. *G(r)asp! Deepening timing dependency, muscle specificity, and target stimulus of motor resonance for complex movements*. Talk presented at XXIX Congress of the Italian Association of Psychology (AIP) – Experimental section. Sep 20, 2023, Lucca, Italy.
- **Guidali G.**, Arrigoni E., Bolognini N. & Pisoni A. *Unveiling the neurophysiological substrates of a visuo-motor paired associative stimulation protocol: a TMS-EEG study*. Talk presented at VII Annual Brain Stimulation and Imaging Meeting (BrainSTIM). Jun 2-3, 2023. Helsinki-Espoo, Finland
- Bortoletto M., Marcantoni E., Lucarelli D., Zazio A., Stango A., Barchiesi G. & **Guidali G**. *Reproducibility of primary motor cortex cortico-cortical connectivity for changes in TMS current direction and pulse waveform*. Poster presented at 5th International Brain Stimulation meeting. Feb 19-22, 2023. Lisbon, Portugal. 10.1016/j.brs.2023.01.707
- **Guidali G.**, Picardi, M., Gramegna, C., Bolognini, N. *Modulating automatic imitation with a visuo-motor Paired Associative Stimulation protocol*. Poster presented at III Transcranial Brain Stimulation in Cognitive Neuroscience Workshop. Dec 1-3, 2022. Rovereto, TN, Italy.
- **Guidali G.**, Bagattini, C., De Matola, M. & Brignani D. *Modulating visuo-spatial bias with a fronto-parietal cortico-cortical paired associative stimulation protocol*. Poster presented at XXX Congress of the Italian Society of Psychophysiology and Cognitive Neuroscience (SIPF). Sep 15-17, 2022, Udine, Italy.

- Bortoletto M., Zazio A., Marcantoni E., Stango A., Barchiesi G. & **Guidali G.** *Reproducibility of early TMS-evoked potentials (TEPs) for stimulation parameters: A TMS-EEG Registered Report.* Poster presented at XXX Congress of the Italian Society of Psychophysiology and Cognitive Neuroscience (SIPF). Sep 15-17, 2022, Udine, Italy.
- **Guidali G.**, Picardi M. & Bolognini N. *Mirror, mirror on the screen: deepening functional and behavioral correlates of a visuo-motor paired associative stimulation protocol*. Poster presented at XC European Workshop on Cognitive Neuropsychology. Jan 24-28, 2022. Virtual conference.
- **Guidali G.** *Crossmodal plasticity in sensory-motor cortices and non-invasive brain stimulation techniques: new ways to explore and modulate brain plasticity.* Talk presented at the XXVII Congress of the Italian Association of Psychology (AIP) – Experimental section. Sep 8-10, 2021, Lecce, Italy.
  § **Shortlisted for the 'Best doctoral thesis' award**
- **Guidali G.** & Bolognini N. *Exploring human brain visuo-motor plasticity with a new paired associative stimulation protocol*. Talk presented at the XCIII Congress of the Italian Society of Experimental Biology (SIBS). Apr 23, 2021.
  § **Winner of Young Investigator Award for the 'best oral presentation'**
- **Guidali G.** & Bolognini N. *Functional and behavioral correlates of the mirror paired associative stimulation protocol.* Poster presented at the XXVIII Virtual Congress of the Italian Society of Psychophysiology and Cognitive Neuroscience (SIPF). Nov 20-27, 2020.
- **Guidali G.** & Bolognini N. *Hebbian associative plasticity induced by a novel paired associative stimulation protocol shapes the properties of the Mirror Neuron System.* Poster presented at the Virtual meeting of the Cognitive Neuroscience Society. May 2-5, 2020.
- **Guidali G.**, Maddaluno O., Zazio A., Miniussi C. & Bolognini N. *Exploring cross-modal properties of the somatosensory cortex with a novel Paired Associative Stimulation protocol.* Poster presented at XXVIII European Workshop on Cognitive Neuropsychology. Jan 26-31, 2020, Brixen, BZ, Italy.
- **Guidali G.**, Carneiro S. I. M. & Bolognini N. *Hebbian associative plasticity drives the emergence of motor resonance: a novel Paired Associative Stimulation protocol*. Poster presented at Annual meeting of Milan center for neuroscience (NeuroMI). Nov 20-22, 2019, Milan, Italy.
- **Guidali G.**, Carneiro S. I. M. & Bolognini N. *Through the looking glass: Hebbian learning shapes motor resonance*. Talk presented at XXVII Congress of the Italian Society of Psychophysiology and Cognitive Neuroscience (SIPF). Nov 14-16, 2019, Ferrara, Italy.
  § **Winner of 'best oral presentation' award**
- **Guidali G.**, Pisoni A., Bolognini N. & Papagno C. *The role of the left Supramarginal Gyrus in the Short-Term Memory network: a Transcranial Magnetic Stimulation study*. Talk and poster presented at XXXVII European Workshop on Cognitive Neuropsychology. Jan 20-25, 2019, Brixen, BZ, Italy.
  § **Shortlisted for 'EWCN 2019 prize'**
- **Guidali G.**, Pisoni A., Bolognini N. & Papagno C. *Investigating serial order retention mechanisms in Short-Term Memory with repetitive Transcranial Magnetic Stimulation*. Poster presented at Transcranial Brain Stimulation in Cognitive Neuroscience Workshop. Dec 6-7, 2018, Rovereto, TN, Italy.
- **Guidali G.**, Zazio A., Maddaluno O., Miniussi C. & Bolognini N. *Modulating the response of the primary somatosensory cortex with a novel Paired Associative Stimulation protocol.* Poster presented at fourth International Meeting of the Milan center for Neuroscience (NeuroMI). Nov 21-23, 2018, Milan, Italy.
- **Guidali G.**, Pisoni A., Bolognini N. & Papagno C. *The Supramarginal Gyrus: a neural storage for order information in Short-Term Memory.* Talk presented at XXVI Congress of the Italian Society of Psychophysiology and Cognitive Neuroscience (SIPF). Nov 15, 2018, Turin, Italy.
- **Guidali G.**, Zazio A., Maddaluno O., Miniussi C. & Bolognini N. *Primary somatosensory cortex and Hebbian associative learning: a novel cross-modal Paired Associative Stimulation (PAS) protocol*. Poster presented at Hand, Brain & Technology: the somatosensory system. Aug 26-31, 2018, Ascona, TI, Switzerland.
- **Guidali G.**, Pisoni A., Bolognini N. & Papagno C. *'What' and 'Where' we remember: evidence for an anatomo-functional dissociation within verbal Short-Term Memory*. Poster presented at VI Cognitive Science Arena. Feb 23-24, 2018, Brixen, BZ, Italy.

Coauthor of 20+ posters or talks presented in nation and international conferences

Teaching supervision

- 2025: supervisor of 4 BSc trainees, Department of Psychology, University of Milano Bicocca.
- 2024: supervisor of 6 BSc trainees, Department of Psychology, University of Milano Bicocca.
- 2023: co-supervisor for the MSc thesis: '*Correlati neurofisiologici dell'induzione di una risposta di risonanza motoria atipica nel sistema dei neuroni specchio attraverso un protocollo paired associative stimulation*

visuo-motorio: uno studio TMS-EEG' Candidate: D. Mazzucchelli. Supervisor: prof. A. Pisoni. Department of Psychology, University of Milano-Bicocca.

- 2023: co-supervisor for the MSc thesis: '*Correlati comportamentali della paired associative stimulation mirror'* Candidate: M. Tomassetti. Supervisor: prof. N. Bolognini. Department of Psychology, University of Milano-Bicocca.
- 2023: co-supervisor for the MSc thesis: '*TMS-EEG e mirror-PAS: due tecniche unite per indagare la connettività del sistema dei neuroni specchio nell'essere umano*' Candidate: S. Pellegatta. Supervisor: prof. A. Pisoni. Department of Psychology, University of Milano-Bicocca.
- 2022: co-supervisor for the MSc thesis: '*The effect of transcranial magnetic stimulation current direction and pulse waveform on motor evoked potentials: a replication study*' Candidate: D. Lucarelli. Supervisor: prof. C. Miniussi. Centro Interdipartimentale Mente/Cervello - CIMEC, University of Trento.
- 2021: co-supervisor for the MSc thesis '*Specificità ed effetti comportamentali di un protocollo visuomotorio di Paired Associative Stimulation*'. Candidate: I. Garavaglia. Supervisor: N. Bolognini. Department of Psychology, University of Milano-Bicocca.
- 2020: co-supervisor for the MSc thesis '*The role of supramarginal gyrus in serial order retention in short-term memory*'. Candidate: S. Branchini. Supervisor: prof. C. Papagno. Department of Psychology. University of Milano-Bicocca.

Editorial roles

- Guest Editor for the Special Issue '*Neural Mechanisms Underlying Sensorimotor Learning and Plasticity: Novel Advances and Future Perspectives*' – Journal: *Brain Sciences* (https://www.mdpi.com/journal/brainsci/special_issues/QPHGNRL5UM)
- Review Editor for *Frontiers in Human Neuroscience* (section: *Sensory Neuroscience*)
- Editorial Board member for *Brain Sciences* (section: *Sensory and Motor Neuroscience*)
- Ad-hoc reviewer for *Neuromodulation: Technology at the Neural Interface*, *Experimental Brain Research, The cerebellum, Journal of cognitive neuroscience, Brain sciences*, *Frontiers in integrative neuroscience, Neurobiology of learning and memory, Peer community in – Registered Reports.*

Memberships

- OPL - Ordine degli Psicologi della Lombardia (number: 20266).
- NeuroMI – Milan center for Neuroscience
- SIPF – Società italiana di Psicofisiologia e Neuroscienze Cognitive
- AIP – Associazione italiana di Psicologia

Grant/Scholarships

- 2017-2020: Three years Ph.D. scholarship

Funding agency: Ministero dell'Istruzione, Università e Ricerca (MIUR)

Information updated at June 2025

In compliance with the Italian legislative Decree no. 196 dated 30/06/2003, I hereby authorize you to use and process my personal details contained in this document.