

# MARCO CAVALLO

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## EDUCATION

UNIVERSITY OF TURIN	Turin, Italy
Psychology Degree	November 2003
Thesis: <i>Analysis of the cerebral correlates of communicative intentions: An fMRI study</i>	
Advisor Prof. Bruno G. Bara	
UNIVERSITY OF EDINBURGH	Edinburgh, Scotland (UK)
<i>Master of Science</i> in Human Cognitive Neuropsychology	December 2008
UNIVERSITY OF TURIN	Turin, Italy
<i>Ph.D.</i> in Cognitive Sciences	November 2008
IBTG Gestalt School	Turin, Italy
Licensed Psychotherapist	December 2012

## AWARDS AND HONORS

Chair of the Forum of Young Researchers (FYRE) of the World Federation of Neurology Research Group on Aphasia, Dementia and Cognitive Disorders (WFN-RGADCD). 2008-2012.

Member of the Scientific and Executive Committees of the European multicenter project EDEN (European Depression EMDR Network). 2010-2015.

Member of the Executive Committee of the European multi-center project MasterMind (Management of health disorders through advanced technology and services – telehealth for the MIND) financially supported by the European Union, Program: ICT Policy Support Programme, Call: CIP-ICT-PSP-2013-7, Funding scheme: Pilot Type A - CIP-ICT-PSP-PA, Activity: CIP7-Theme 3 - ICT for health, ageing well and inclusion): pilot study of therapeutic intervention targeting patients with depression. 2013-2017.

Awarded as first author of the best contribution submitted at the International Conference “Successful ageing”, Alba (Italy), Fondazione Ferrero, November 2017.

## TEACHING EXPERIENCE

ECAMPUS UNIVERSITY

Novedrate, Italy

Faculty of Psychology, *Neuropsychology*, May 2014-today:  
Remote and on-site lectures and seminars;

Faculty of Psychology, *Social, Affective and Cognitive Neuroscience*, May 2014-today:  
Remote and on-site lectures and seminars;

Faculty of Psychology, *Clinical Psychology of Disability*, May 2024-December 2024:  
Remote and on-site lectures and seminars.

## TEACHING INTERESTS

Clinical neuropsychology, cognitive rehabilitation, neurodegenerative conditions, neuroimaging techniques.

## LEADERSHIP AND SERVICE

PhD students Representative, The University of Turin, Department of Psychology, 2005-2008.

## PROFESSIONAL EXPERIENCE

ECAMPUS UNIVERSITY

Novedrate, Italy

**Associate Professor, Faculty of Psychology**

May 2019-Today

Giving lectures and seminars;

Supervision of under-graduate psychology students;

Tutoring of post-graduate students during their mandatory training as trainee psychologists;

Tutoring of two Ph.D. students during their Ph.D. programme (November 2023-Today).

**ECAMPUS UNIVERSITY**  
**Researcher, Faculty of Psychology**

Novedrate, Italy  
May 2014-April 2019

Giving lectures and seminars;  
Supervision of under-graduate psychology students;  
Tutoring of post-graduate students during their mandatory training as trainee psychologists;

## **ORGANIZATION/COMPANY**

### **Consultant, Department**

Post-graduate training as Neuropsychologist about the assessment of patients with stroke, traumatic brain injury and degenerative diseases. Local Health Company Cn1 (ex n.16), Mondovì-Ceva – Italy March 2003-September 2003

Under- and Post-graduate training as Neuropsychologist about the assessment and the rehabilitation of patients with stroke and degenerative diseases. “San Camillo” Clinic, Turin – Italy (12 months). March 2004-March 2005

Private practice as neuropsychologist and psychotherapist 2013-today

## **TECHNICAL SKILLS**

*Computer Science:* Word, Excel, Power-point; Statistical Packages & Software (SPSS, R).

*Statistics:* Knowledge of advanced statistical techniques.

## **PUBLICATIONS**

Cecchetti, S., Duchowski, A. T., & Cavallo, M. (2025). Eye-Tracking Metrics as a Digital Biomarker for Neurocognitive Disorders in Multiple Sclerosis: A Scoping Review. *Brain Sciences*, 15(2), 149. <https://doi.org/10.3390/brainsci15020149>

Mancuso, V., Arlati, S., Sarita, S.N., Borghesi, F., Di Santo, S.G., Cavallo, M., Pedroli, E. (2024). "Usability Study of a Virtual Reality-Based Ecological Battery for Memory Assessment:

A Pilot Study," 2024 IEEE International Conference on Metrology for eXtended Reality, Artificial Intelligence and Neural Engineering (MetroXRaine), St Albans, United Kingdom, 2024, pp. 1050-1054, doi: 10.1109/MetroXRaine62247.2024.10797097.

Cecchetti, S., Roy, U., & Cavallo, M. (2024). From the Eyes to the Suffering Brain: Can Eye Tracking be Considered as a Significant Digital Biomarker for Neurological Diseases?. *J. Integr. Neurosci.*, 23(9), 167. <https://doi.org/10.31083/j.jin2309167>

Mancuso V, Sarcinella ED, Bruni F, Arlati S, Di Santo SG, Cavallo M, Cipresso P and Pedroli E (2024) Systematic review of memory assessment in virtual reality: evaluating convergent and divergent validity with traditional neuropsychological measures. *Front. Hum. Neurosci.* 18:1380575. doi: 10.3389/fnhum.2024.1380575

Francesca Bruni, F., Mancuso, V., Greci, L., Arlati, S., Cavallo, M., Riva, G., Goulene, K., Stramba-Badiale, M., & Pedroli, E. (2023). A cross-platform application for the ecological and remote assessment of memory impairment in aging: ECO-MEMORY. *Virtual Reality*. 1-11. 10.1007/s10055-023-00826-8.

Cavallo, M.; Pedroli, E.; Cantoia, M.; McGrath, B.; Cecchetti, S. Attitudes of Mental Health Professionals towards Telepsychology during the Pandemic: A Pilot Study. *Healthcare* 2023, 11, 1542. <https://doi.org/10.3390/healthcare11111542>

Justo-Henriques, S.I.; Pérez-Sáez, E.; Carvalho, J.O.; Cavallo, M.; Sargaço, P. Home-Based Individualized Cognitive Stimulation (iCS) Therapy in Portuguese Psychiatric Patients: A Randomized Controlled Trial. *Brain Sci.* 2022, 12, 1655. <https://doi.org/10.3390/brainsci12121655>

Bruni F, Mancuso V, Stramba-Badiale C, Greci L, Cavallo M, Borghesi F, Riva G, Cipresso P, Stramba-Badiale M and Pedroli E (2022) ObReco-2: Two-step validation of a tool to assess memory deficits using 360\_ videos. *Front. Aging Neurosci.* 14:875748. doi: 10.3389/fnagi.2022.875748

Cavallo, M., Sergi, A., Pagani, M. (2021). Cognitive and social cognition deficits in Huntington's disease differ between the prodromal and the manifest stages of the condition: A scoping review of recent evidence. *Br J Clin Psychol.* 2021 Oct 14. doi: 10.1111/bjc.12337.

Lasaponara S., Marson F., Doricchi F., Cavallo, M. (2021). A Scoping Review of Cognitive Training in Neurodegenerative Diseases via Computerized and Virtual Reality Tools: What We Know So Far. *Brain Sci.* 11, 528. <https://doi.org/10.3390/brainsci11050528>

Marson, F.; Lasaponara, S.; Cavallo, M. (2021). A Scoping Review of Neuromodulation Techniques in Neurodegenerative Diseases: A Useful Tool for Clinical Practice? *Medicina*, 57, 215. <https://doi.org/10.3390/medicina57030215>

Carletto S., Panero M., Cavallo M., Pagani M. (2021) Neurobiology of Posttraumatic Stress Disorder. In: Dierckx R.A., Otte A., de Vries E.F.J., van Waarde A., Sommer I.E. (eds) *PET and SPECT in Psychiatry*. Springer, Cham. [https://doi.org/10.1007/978-3-030-57231-0\\_11](https://doi.org/10.1007/978-3-030-57231-0_11)

Pagani M., Carletto S., Cavallo M. (2021) Neuroimaging in PTSD-Related Psychotherapies. In: Dierckx R.A., Otte A., de Vries E.F.J., van Waarde A., Sommer I.E. (eds) *PET and SPECT in Psychiatry*. Springer, Cham. [https://doi.org/10.1007/978-3-030-57231-0\\_12](https://doi.org/10.1007/978-3-030-57231-0_12)

Manera, U.; Peotta, L.; Iazzolino, B.; Canosa, A.; Vasta, R.; Palumbo, F.; Torrieri, M.C.; Solero, L.; Daviddi, M.; Grassano, M.; Moglia, C.; Pagani, M.; Chiò, A.; Cavallo, M. (2020). The Characteristics of Cognitive Impairment in ALS Patients Depend on the Lateralization of Motor Damage. *Brain Sci.*, 10(9), 650. <https://doi.org/10.3390/brainsci10090650>

Pagani, M., Cavallo, M., Carletto, S. (2019). Anatomopatologia dello stress post-traumatico e della resilienza. In: Pagani & Carletto (a cura di), *Il cervello che cambia – Neuroimaging: Il contributo alle neuroscienze*. Edizioni Mimesis. Pagine 39-71.

Cavallo, M., De Silva, N.L. (2019). Prendersi cura dei disturbi neurodegenerativi. Principali forme di intervento farmacologico e non farmacologico nelle demenze. In: Pagani & Carletto (a cura di), *Il cervello che cambia – Neuroimaging: Il contributo alle neuroscienze*. Edizioni Mimesis. Pagine 311-339.

Ostacoli, L., Carletto, S., Cavallo, M., Baldomir-Gago, P., Di Lorenzo, G., Fernandez, I. ET AL. (2018). Comparison of Eye Movement Desensitization Reprocessing and Cognitive Behavioral Therapy as adjunctive treatments for recurrent depression: the European Depression EMDR Network (EDEN) randomized controlled trial. *Frontiers in Psychology*, 9:74. doi: 10.3389/fpsyg.2018.00074

Carletto S, Borghi M, Scavelli F, Francone D, Perucchini ML, Cavallo M, Pagnini F, Bertolotto A, Oliva F, Ostacoli L. (2018). Prevalence of posttraumatic stress disorder in patients with multiple sclerosis. *J Nerv Ment Dis*, 206, 149-151.

Burin, D., Ronga, I., Pyasik, M., Cavallo, M., Salatino, A., & Pia, L. (2018). “As long as that is my hand, that willed action is mine”: timing of agency triggered by body ownership. *Consciousness and Cognition*, 58, 186-192.

Cavallo, M., & Angilletta, C. (2018). Long-lasting neuropsychological effects of a computerized cognitive training in patients affected by early-stage Alzheimer’s disease: Are they stable over time? *Journal of Applied Gerontology*. First Published January 2, 2018. <https://doi.org/10.1177/0733464817750276>

Poletti, M., Cavallo, M., & Adenzato, M. (2017). Detecting dysexecutive syndrome in neurodegenerative diseases: are we using an appropriate approach and effective diagnostic tools? *Journal of Neurology, Neurosurgery & Psychiatry*. 88(3):195. doi: 10.1136/jnnp-2016-314744

Cavallo, M., Hunter, E.M., van der Hiele, K., & Angilletta, C. (2016). Computerized structured cognitive training in patients affected by early-stage Alzheimer's disease is feasible and effective: A randomized controlled study. *Archives of Clinical Neuropsychology*, 31 (8), 868-876.

Cavallo, M., Signorino, A., & Perucchini, M.L. (2016). Benefits of cognitive treatments administered to patients affected by mild cognitive impairment/mild neurocognitive disorder. *Drug Develop Reseach*. doi: 10.1002/ddr.21339

Cavallo, M., & Angilletta, C. (2016). A case study of the long-lasting effects of cognitive training on similar tasks in Alzheimer's disease. *Journal of Applied Gerontology*, 1-10. DOI: 10.1177/0733464816662964.

Borghi, M., Carletto, S., Ostacoli, L., Scavelli, F., Pia, L., Pagani, M., Bertolotto, A., Malucchi, S., Signori, A., Cavallo, M. (2016). Decline of neuropsychological abilities in a large sample of patients with Multiple Sclerosis: A two-year longitudinal study. *Frontiers in Human Neuroscience*, 10(282). DOI:10.3389/fnhum.2016.00282

Cavallo, M.; Angilletta, C. (2016). Similarity among tasks is the key to show generalization of cognitive training effects in Alzheimer's disease: A case study. *Aging, Neuropsychology, and Cognition*. doi: 10.1080/13825585.2016.1184611

Carletto S, Borghi M, Bertino G, Oliva F, Cavallo M, Hofmann A, Zennaro A, Malucchi S and Ostacoli L (2016). Treating Post-traumatic Stress Disorder in patients with Multiple Sclerosis: a randomized controlled trial comparing the efficacy of Eye Movement Desensitization and Reprocessing and Relaxation Therapy. *Frontiers in Psychology*, 7:526. doi: 10.3389/fpsyg.2016.00526

Cavallo, M., Zanalda, E., Johnston, H., Bonansea, A., Angilletta, C. (2016). Cognitive training in a large group of patients affected by early-stage Alzheimer's disease can have long-lasting effects: A case-control study. *Brain Impairment*, 17, 182-192. <http://dx.doi.org/10.1017/BrImp.2016.2>

Carletto, S., Borghi, M., Francone, D., Scavelli, F., Bertino, G., Cavallo, M., ET AL. (2016). The efficacy of a Mindfulness Based Intervention for depressive symptoms in patients with Multiple Sclerosis and their caregivers: study protocol for a randomized controlled clinical trial. *BMC Neurology*, 16 (7).

Cavallo, M., & Signorino, A. (2015). Correlati neuropsicologici e di neuroimaging del maltrattamento e dell'abuso infantili. *Maltrattamento e Abuso all'Infanzia*, 17, 13-38.

Vis, C., Kleiboer, A., Prior, R., Bones, E., Cavallo, M. ET AL. (2015). Implementing and up-scaling evidence-based eMental health in Europe: The study protocol for the MasterMind project. *Internet Interventions*, 2, 399-409.

Enrici, I., Adenzato, M., Ardito, R.B., Mitkova, A., Cavallo, M., Zibetti, M., Lopiano, L., & Castelli, L. (2015). Emotion processing in Parkinson's disease: A three-level study on recognition, representation, and regulation. *PLoS ONE* 10(6): e0131470.

Pia, L., Cavallo, M., & Garbarini, F. (2014). Anosognosia for hemianesthesia: from the syndrome to tactile awareness. *Translational Neuroscience*, 5, 218-221.

Pagani, M., & Cavallo, M. (2014). Neuroimaging in PTSD-related psychotherapies. In: Dierckx R., Otte A., de Vries E., van Waarde A. (eds.), *PET and SPECT in Psychiatry*. Berlin Heidelberg Springer Verlag; 397-410.

Cavallo, M., Trivelli, F., Adenzato, M., Bidoia, E., Giaretto, R.M., Oliva, F., Ostacoli, L., Sala, A., & Picci, R.L. (2013). Do neuropsychological and social cognition abilities in schizophrenia change after intensive cognitive training? A pilot study. *Clinical Neuropsychiatry*, 10, 202-211.

Borghi, M., Cavallo, M. ET AL (2013). Presence and significant determinants of cognitive impairment in a large sample of patients with multiple sclerosis. PLoS ONE, 8, e69820.

Capezzani, L., Ostacoli, L., Cavallo, M., Carletto, S., Fernandez, I., Solomon, R., Pagani, M., & Cantelmi, T. (2013). EMDR and CBT for cancer patients: Comparative study of effects on PTSD, anxiety and depression. Journal of EMDR Practice and Research, 7, 134-143.

Ostacoli, L., Zuffranieri, M., Cavallo, M., Zennaro, A., Rainero, I., Pinessi, L., Pacchiana Parravicini, M.V., Ladisa, E., Furlan, P.M., & Picci, R.L. (2013). Age of onset of mood disorders and complexity of personality traits. ISRN Psychiatry, article ID 246358, 7 pages. doi:10.1155/2013/246358.

Ostacoli, L., Carletto, S., Borghi, M., Cavallo, M., Rocci, E., Zuffranieri, M., Malucchi, S., Bertolotto, A., Zennaro, A., Furlan, P.M., & Picci, R.L. (2013). Prevalence and significant determinants of post-traumatic stress disorder in a large sample of patients with multiple sclerosis. Journal of Clinical Psychology in Medical Settings, 20, 240-246.

Cavallo, M., Cavanna, A.E., Harciarek, M., Johnston, H., Ostacoli, L., & Angilletta, C. (2013). "Keep up the good work!": A case study of the effects of a specific cognitive training in Alzheimer's disease. Neurocase, 19, 542-552.

Cavallo, M., Adenzato, M., MacPherson, S.E., Enrici, I., & Abrahams, S. (2011). Evidence of social understanding impairment in patients with Amyotrophic Lateral Sclerosis. PLoS ONE, 6, e25948.

Cavallo, M., Enrici, I., & Adenzato, M. (2011). The comprehension of social situations in a small group of patients with frontotemporal dementia and Alzheimer's disease. Acta Neuropsychologica, 9, 167-176.

Ostacoli, L., Cavallo, M., Zuffranieri, M., Negro, M., Sguazzotti, E., Picci, R.L., Tempia, P., La Ciura, P., & Furlan, P.M. (2010). Comparison of experienced burnout symptoms in specialist oncology nurses working in hospital oncology units or in hospices. *Palliative & Supportive Care*, 8, 427-432.

Adenzato, M., Cavallo, M., & Enrici, I. (2010). Theory of Mind ability in the behavioural variant of frontotemporal dementia: An analysis of the neural, cognitive, and social levels. *Neuropsychologia*, 48, 2-12.

Cavallo, M., Enrici, I., Abrahams, S., MacPherson, S.E., Cotelli, M., Frisoni, G.B., & Adenzato, M. (2009). Knowing how to behave properly: Preliminary evidence of defective 'social understanding' in neurodegenerative diseases. *Confinia Neuropsychiatrica*, 4, 7-14.

Cavallo, M., Enrici, I., MacPherson, S.E., Abrahams, S., & Adenzato, M. (2009). La Teoria della Mente nei disturbi neurodegenerativi: La comprensione del comportamento sociale altrui in persone con Malattia del Motoneurone. *Sistemi Intelligenti*, 3, 455-471.

## **PRESENTATIONS**

### **(MAIN)**

World Federation of Neurology Research Group on Aphasia and Cognitive Disorders (WFN-RGACD) International Meeting, Hyderabad, INDIA. December 12, 2012.

IFightDepression Meeting, Barcellona (Spain), October 6, 2015.

"Invecchiamento di successo, Ageing opportunities 2017 ", Alba (Italy), November 9, 2017

Italian Congress Società per la Ricerca in Psicoterapia (SPR-Italia) a Palermo (Italia). October 4, 2018.

First International Conference of Cognitive Behavioral Play Therapy, Rome (Italy), June 8-9, 2024.

XXIV National Congress of the Clinical and dynamic psychology section of the Italian Psychology Association (IPA), Salerno (Italy), September 15, 2024.

## POSTERS

Cavallo, M., Hunter, E.M., Johnston, H., & Angilletta, C. (2017). Computerized cognitive training in patients affected by early-stage Alzheimer's disease is worth doing: Evidence from a pilot randomized controlled clinical study. Proceedings of the International Conference "Successful aging", Alba (CN), Fondazione Ferrero, 9-11 November 2017.

Carniato, S., Favaretto, G., Zanalda, E., & Cavallo, M. (2015). Mastermind: Progetto Europeo di tele-psiatria per la depressione tramite CBT e Cura Collaborativa tramite Videoconferenza. Relazione al Simposio "Nuovi trattamenti disturbi dell'umore" del XVII Congresso AIAMC: TCC e psicoterapia scientifica. Nuove prospettive. Torino, 24-26 settembre 2015.

Borghi, M., Cavallo, M., Carletto, S., Ostacoli, L., Picci, R.L., Scavelli, F., Furlan, P.M., Bertolotto, A., & Malucchi, S. (2014). Presence and significant determinants of cognitive impairment in a large sample of patients with multiple sclerosis. Poster of the Meeting 2014 - American Academy of Neurology (P4 Poster Session IV: Cognition in Multiple Sclerosis), Philadelphia, US, 30 April 2014.

Cavallo, M., Enrici, I., MacPherson, S.E., Abrahams, S., Adenzato, M. (2012). 'Social understanding' impairment in neurodegenerative diseases. Proceedings of the Biennial Meeting of the World Federation of Neurology Research Group on Aphasia and Cognitive Disorders (WFN-RGACD). Hyderabad, India, 9-12 December.

Cavallo, M., Borghi, M., Carletto, S., Zuffranieri, M., Ostacoli, L., Malucchi, S., & Bertolotto, A. (2012). Presence and significant determinants of cognitive impairment in a large sample of patients with Multiple Sclerosis. Proceedings of the Biennial Meeting of the World Federation of Neurology Research Group on Aphasia and Cognitive Disorders (WFN-RGACD). Hyderabad, India, 9-12 December.

Cavallo, M., Adenzato, M., MacPherson, S.E., Karwig, G., Enrici, I., & Abrahams, S. (2010). Theory of Mind Deficits in Frontotemporal Dementia and Motor Neurone Disease patients. Proceedings of the Meeting of the World Federation of Neurology Research Group on Aphasia and Cognitive Disorders (WFN-RGACD). Istanbul, 15-18 May.

Cavallo, M., MacPherson, S.E., Abrahams, S. (2009). Theory of Mind deficits in ALS: Difficulties in understanding social situations. In: Proceedings of the 20th International Symposium on ALS/MND. Berlin, 8-10 December.

Cavallo, M., Abrahams, S., Enrici, I., MacPherson, S.E., & Adenzato, M. (2008). A new insight into behavioural problems in neurodegenerative diseases. In: Proceedings del quinto Convegno Nazionale dell'Associazione Italiana Scienze Cognitive (AISC). Turin, November 30–December 2.

Cavallo, M., Abrahams, S., Enrici, I., MacPherson, S.E., & Adenzato, M. (2008). Theory of Mind in Neurodegenerative Diseases. In: Proceedings of 'the first meeting of the federation of the European societies of neuropsychology'. Edinburgh, 2-5 September.

Cavallo, M., Enrici, I., MacPherson, S.E., Abrahams, S., & Adenzato, M. (2008). Theory of Mind in degenerative diseases: Preliminary results. In: Proceedings of 'Researching the public interest and health: An interdisciplinary workshop'. The University of Edinburgh, 3rd March.

Cavallo M., Enrici I., & Cotelli M. (2007). Social cognition in patients with frontotemporal dementia and Alzheimer's disease: Preliminary results of an experimental study. In: Proceedings of the 'First Meeting of the Italian Doctorate students and bursars in neuroscience and related subjects'. Turin, March 30-April 1.

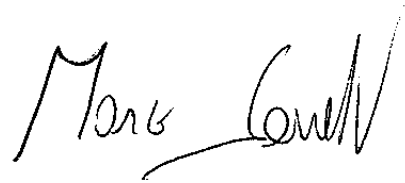
## REFERENCES

Prof. Mauro ADENZATO, Full Professor, Department of Psychology – The University of Turin  
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**DATE**

**SIGNATURE:**

June, 10<sup>th</sup> 2025

A handwritten signature in black ink, appearing to read 'Mauro Adenzato', written in a cursive style.