

Chiara Carbone

Details

<i>Name</i>	Chiara Carbone
<i>Place of Birth</i>	Parma, Italy
<i>Date of Birth</i>	February 26 th , 1994
<i>Citizenship</i>	Italian
<i>Languages</i>	Italian
<i>Postal address</i>	c/o Department of Biomedical, Metabolic and Neural Sciences, University of Modena and Reggio Emilia, AOU-Ospedale Civile di Baggiovara Via Pietro Giardini, 1355, 41126 Modena
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Qualifications

31 st March 2023	PhD in Neurosciences, University of Modena and Reggio Emilia
30 th March 2022	Member of the Italian professional association for Psychologists (Ordine degli Psicologi dell'Emilia-Romagna)
21 st February 2022	Diploma conferring the right to practice Psychology (Abilitazione all'esercizio della Psicologia) awarded by the State Examining Commission of Italy at the University of Pavia
18 th February 2019	Master's Degree in Clinical Psychology and Neuropsychology in Span of Life (Laurea Magistrale in Psicologia Clinica e Neuropsicologia nel Ciclo di Vita – LM-51), University of Milano-Bicocca
30 th September 2016	Bachelor's Degree in Psychological Sciences and Techniques (Laurea Triennale in Scienze e Tecniche Psicologiche), University of Bologna

Education and Research

2023 – current	Postdoctoral Researcher on the European Research Council project “Anosognosia and delusions in neurodegenerative diseases”, University of Modena and Reggio Emilia
2022 – current	Post-graduate specialization school in Neuropsychology, University of Cattolica del Sacro Cuore, Italy
2019 – 2023	PhD in Neurosciences, University of Modena and Reggio Emilia, Italy Thesis: “Predictive factors of aggravation and cognitive-behavioural phenotype in patients with young-onset MCI (Mild Cognitive Impairment)”
2019 – 2020	Psychologist Practitioner, AOU-Ospedale Civile di Baggiovara, Italy
2016 – 2019	M.Sc, University of Milano-Bicocca, Italy

Thesis: “L’elaborazione delle emozioni in pazienti con psicosi affettive e non affettive: studio sperimentale”

Final Score: 110/110 cum laude

2013 – 2016

B.S., University of Bologna, Italy

Thesis “La malattia mentale: un excursus sul suo trattamento e la situazione attuale nel campo dell’assistenza psichiatrica”

Final Score: 105/110

2009 - 2013

Scientific High School Diploma (Maturità Scientifica), Liceo Scientifico Statale Giacomo Ulivi, Parma, Italy

Final Score: 85/100

Publications

Published papers

Tondelli, M., Galli, C., Vinceti, G., Fiondella, L., Salemme, S., **Carbone, C.**, Molinari, M. A., Chiari, A. & Zamboni, G. (2021). Anosognosia in Early-and Late-Onset Dementia and Its Association With Neuropsychiatric Symptoms. *Frontiers in Psychiatry*, 12. <https://doi.org/10.3389/fpsyt.2021.658934>

Balboni, E., Nocetti, L., **Carbone, C.**, Dinsdale, N., Genovese, M., Guidi, G., Malagoli, M., Chiari, A., Namburete, A. I. L., Jenkinson, M. & Zamboni, G. (2022). The impact of transfer learning on 3D deep learning convolutional neural network segmentation of the hippocampus in mild cognitive impairment and Alzheimer disease subjects. *Human Brain Mapping*, 1–12. <https://doi.org/10.1002/hbm.25858>

Chiari, A., Tondelli, M., Galli, C., **Carbone, C.**, Fiondella, L., Salemme, S., Vinceti, G., Bedin, R., Molinari, M. A. & Zamboni, G. (2022). How long does it take to diagnose young-onset dementia? A comparison with late-onset dementia. *Neurol Sci*. <https://doi.org/10.1007/s10072-022-06056-1>

Salemme S., Benuzzi F., Fiondella L., **Carbone C.**, Vinceti G., Magarelli S., Molinari M. A., Malagoli M., Zamboni G. & Chiari A. (2022). Pure word deafness: a case report of an atypical manifestation of Alzheimer’s disease. *Neurol Sci*. <https://doi.org/10.1007/s10072-022-06213-6>

Carbone C., Bardi E., Corni M.G., Balboni E., Filippini N., Fiondella L., Salemme S., Vinceti G., Molinari M. A., Tondelli M., Chiari A. & Zamboni G. (2022). Why can spontaneous intracranial hypotension cause behavioral changes? A case report and multimodality neuroimaging comparison with frontotemporal dementia. *Cortex*. <https://doi.org/10.1016/j.cortex.2022.07.013>

Vinceti, G., **Carbone, C.**, Galligani, C., Fiondella, L., Salemme, S., Zucchi, E., Martinelli, I., Gianferrari, G., Tondelli, M., Mandrioli, J., Chiari, A. & Zamboni, G. (2023). The association between lifelong personality and clinical phenotype in the FTD-ALS spectrum. *Frontiers in Neuroscience*, 17. <https://doi.org/10.3389/fnins.2023.1248622>

Carbone, C., Balboni, E., Beltrami, D., Gasparini, F., Vinceti, G., Galligani, C., Salvatori, D., Salemme, S., Molinari, M.A., Tondelli, M., Marti, A., Chiari, A., & Zamboni, G. (2023).

Neuroanatomical Correlates of Cognitive Tests in Young-onset MCI. *Journal of Integrative Neuroscience*, 22(6), 152. <https://doi.org/10.31083/j.jin2206152>

Tondelli, M., Chiari, A., Vinceti, G., Galli, C., Salemme, S., Filippini, T., **Carbone, C.**, Minafra C., De Luca, C., Prandi, R., Tondelli, S. & Zamboni, G. (2023). Greenness and neuropsychiatric symptoms in dementia. *Environmental Research*, 117652. <https://doi.org/10.1016/j.envres.2023.117652>

Gallingani, C.*, **Carbone, C.***, Tondelli, M. & Zamboni, G. (2024). Neurofilaments Light Chain in Neurodegenerative Dementias: A Review of Imaging Correlates. *Brain Sciences*, 14(3), 272. <https://doi.org/10.3390/brainsci14030272>

Zamboni, G., Maramotti, R., Salemme, S., Tondelli, M., Adani, G., Vinceti, G., **Carbone, C.**, Filippini, T., Vinceti, M., Pagnoni, G. & Chiari, A. (2024). Age-specific prevalence of the different clinical presentations of AD and FTD in young-onset dementia. *Journal of Neurology*, 1-10. <https://doi.org/10.1007/s00415-024-12364-7>

Tondelli, M., Ballotta, D., Maramotti, R., **Carbone, C.**, Gallingani, C., Mackay, C., Pagnoni, G., Chiari, A. & Zamboni, G. (2024). Resting-state networks and anosognosia in Alzheimer's Disease. *Frontiers in Aging Neuroscience*, 16, 1415994. <https://doi.org/10.3389/fnagi.2024.1415994>

Ballerini, A., Biagioli, N., **Carbone, C.**, Chiari, A., Tondelli, M., Vinceti, G., Bedin, R., Malagoli, M., Genovese, M., Scolastico, S., Giovannini, G., Pugnaghi, M., Orlandi, N., Lemieux, L., Meletti, S., Zamboni, G. & Vaudano, A. E. (2024). Late-onset temporal lobe epilepsy: insights from brain atrophy and Alzheimer's disease biomarkers. *Brain*, awae207. <https://doi.org/10.1093/brain/awae207>

Selected Posters

Carbone C., Beltrami D., Bardi E., Corni M. G., Balboni E., Gasparini F., Fiondella L., Salemme S., Vinceti G., Tondelli M., Molinari M. A., Marti A., Chiari A., Zamboni G. (2021). Fluid intelligence and its neural correlates in Mild Cognitive Impairment. *Alzheimer's & Dementia*, 17, e051893

Vinceti, G., Gallingani, C., Fiondella, L., **Carbone, C.**, Salemme, S., Tondelli, M., Martinelli, I., Zucchi, E., Mandrioli, J., Chiari, A., Zamboni, G. (2021). Premorbid personality in frontotemporal dementia: Amyotrophic lateral sclerosis spectrum. *Alzheimer's & Dementia*, 17, e053739

Fiondella L., Mattioli I., Salemme S., **Carbone C.**, Vinceti G., Tondelli, M., Chiari A., Molinari M. A., Huey E. D., Jenkinson M., Grafman J., Zamboni G. (2021). The brain correlates of behavioral disturbances in frontotemporal dementia. *Alzheimer's & Dementia*, 17, e053059

Salemme S., Vinceti G., Adani G., Tondelli M., Galli C., **Carbone C.**, Fiondella L., Filippini T., Vinceti M., Chiari A., Zamboni G. (2021). Does the prevalence of different clinical variants of early onset dementia increase with age in people younger than 65? Data from an epidemiology study in Modena province, Italy. *Alzheimer's & Dementia*, 17, e053106

Salemme, S., Vinceti, G., Adani, G., Tondelli, M., Galli, C., **Carbone, C.**, Fiondella, L., Filippini, T., Vinceti, M., Chiari, A., Zamboni, G. (2021). Prevalence rates of early onset Alzheimer's disease and fronto-temporal dementia clinical phenotypes among age groups in the Province of Modena, Italy. *Journal of the Neurological Sciences*, 429, 118999

Salemme, S., Tondelli, M., Fiondella, L., Gallingani, C., **Carbone, C.**, Chiari, A., Zamboni, G. (2022). Resting state networks (RSNs) imbalance and anosognosia in Alzheimer's disease. *European Journal of Neurology*, 29, 262-263

Gallingani, C., Vinceti, G., **Carbone, C.**, Fiondella, L., Zucchi, E., Martinelli, I., Tondelli, M., Salemme, S., Mandrioli, J., Chiari, A., Zamboni, G. (2022). Imaging correlates of premorbid personality in the Frontotemporal Dementia - Amyotrophic Lateral Sclerosis (FTD-ALS) spectrum. *European Journal of Neurology*, 29, 250

Carbone, C., Balboni, E., Beltrami, D., Gasparini, F., Fiondella, L., Salemme, S., Vinceti, G., Molinari, M. A., Marti, A., Tondelli, M., Chiari, A., Zamboni, G. (2022). Cognitive Reserve in Mild Cognitive Impairment: structural and functional imaging correlates. *Alzheimer's & Dementia*, 18, e064131

Urbano T., Filippini T., **Carbone C.**, Malavolti M., Marti A., Agnoli C., Sieri S., Chiari A., Zamboni G., Vinceti M. (2023). Healthy dietary patterns and cognitive status in Mild Cognitive Impairment subjects, *European Journal of Public Health*, Volume 33, Issue Supplement_2

Urbano T., Filippini T., **Carbone C.**, Chiari A., Marti A., Zamboni G., Michalke B., Vinceti M. (2023). Association between metals and metalloids with cognitive status in Mild Cognitive Impairment subjects, *European Journal of Public Health*, Volume 33, Issue Supplement_2

Relevant experiences

Rater in clinical trials (2020 – current):

Alzheimer's Disease (*Phase 3*: NCT03444870 – Gantenerumab, NCT04374235 – Gantenerumab | *Phase 2*: NCT04592874 – AL002)

Frontotemporal Dementia (*Phase 3*: NCT04374136 – AL001)

Reviewer ad hoc (2024 – current) for Alzheimer's Research and Therapy, Neurological Sciences, Aging Clinical and Experimental Research, Frontiers in Neurology, and Scientific Reports