

Giovanna Zamboni

Curriculum Vitae

giovanna.zamboni@unimore.it

Posizioni

- da maggio 2019** – Professore Associato in Neurologia, Università degli Studi di Modena e Reggio Emilia
- 2016-2019** - Ricercatore a tempo determinato tipo B, Università degli Studi di Modena e Reggio Emilia
- 2013-2015** - Senior Research Clinical Fellow, Nuffield Department of Clinical Neurosciences, Oxford University
- 2009-2013** - Research Clinical Fellow, Nuffield Department of Medicine, Oxford University
- 2006-2008** - Visiting Fellow, NINDS, National Institutes of Health (NIH), Bethesda, MD (USA)
-

Formazione

- 1996** - Diploma di Maturità Scientifica, Liceo Statale A. Moro, Reggio Emilia
- 2002** - Laurea in Medicina e Chirurgia (magna cum laude), Università degli Studi di Modena e Reggio Emilia
- 2007** - Diploma di Specialista in Neurologia
- 2013** - Dottorato di Ricerca in Neuroscienze (DPhil, Doctor of Philosophy), Oxford University, UK
-

Attività clinica

- Da Nov 2018** – Neurologa, Azienda Ospedaliero Universitaria di Modena
- 2013-2015** - Honorary Consultant Neurologist, attività ambulatoriale e reparto di neurologia, John Radcliffe Hospital, Oxford, UK
- 2008-2013** - Honorary Consultant Physician, attività ambulatoriale, Oxford Memory Assessment Clinic, John Radcliffe Hospital, Oxford, UK
- 2011** - Locum Consultant, attività ambulatoriale di neurologia generale, King's College Hospital, Londra, UK
- 2002-2007** - Specializzanda in Neurologia, Policlinico di Modena e Nuovo Ospedale Civile Sant'Agostino

Pubblicazioni

Numero di Pubblicazioni: 107 (Scopus)

Citazioni: 4386 (Scopus), 6629 (Scholar)

H-index: 34 (Scopus), 40 (Scholar)

Elenco (articoli più significativi indicati con *)

1. Vannini & Zamboni. To know or to not know: The importance of assessing awareness of cognitive function in the early stages of Alzheimer's disease. *Journal of Alzheimer's Disease* 2025
2. M. Tondelli, Filippini, G. Vinceti, Iacovino, Urbano, Costanzini, Despini, De Luca, S. Tondelli f , M. Vinceti, Chiari, **Zamboni** Outdoor light at night and neuropsychiatric symptoms in dementia. *GeroScience* 2025 in press
3. Carbone, Maramotti, Balboni, Beltrami, Ballotta, Bedin, Galligani, Tondelli, Salemme, Gasparini, Vinceti, Marti, Chiari, Nocetti, Pagnoni, **Zamboni**. Cognitive reserve in young-onset cognitive impairment. *Brain and Cognition* 2025
4. Ghezzi, Gianferrari, Baldassarri, Zucchi, Martinelli, Vacchiano, Bonan, Zinno, Nuredini, Canali, Gizzi, Terlizzi, Medici, Sette, Currò Dossi, Morresi, Santangelo, Patuelli, Longoni, De Massis, Ferro, Fini, Simonini, Carra, **Zamboni**, Mandrioli. Phenotypical Characterization of C9ALS Patients from the Emilia Romagna Registry of ALS: A Retrospective Case–Control Study. *Genes* 2025
5. Baglio, Rossetto, Gervasoni, Carpinella, Smecca, Aprile, De Icco, De Trane, Pavese, Lunetta, Fundarò, Marcuccio, **Zamboni**, Molteni, Messa. Timely and Personalized Interventions and Vigilant Care in Neurodegenerative Conditions: the FIT4TeleNEURO Pragmatic Trial. *Healthcare* 2025
6. Siddiqi, Balters, **Zamboni**, Cohen-Zimmerman, Grafman. Effects of focal brain damage on political behavior across different political ideologies. *Brain* 2025
7. *Sundaresan, **Zamboni**, Dineen, Auer, Sotiropoulos, Sprigg, Jenkinson, Griffanti. Automated characterisation of cerebral microbleeds using their size and spatial distribution on brain MRI. *European radiology experimental* 2025
8. Salemme, Lombardo, Lacorte, Sciancalepore, Remoli, Bacigalupo, Piscopo, **Zamboni**, Rossini, Cappa, Perani, Spadin, Tagliavini, Vanacore, Ancidoni. The prognosis of Mild Cognitive Impairment: a systematic review and meta-analysis. *Alzheimer's & Dementia: Diagnosis, Assessment & Disease Monitoring* 2025
9. Filippini, Costanzini, Chiari, Urbano, Despini, Tondelli, Bedin, **Zamboni**, Teggi, Vinceti. Light at night exposure and risk of dementia conversion from mild cognitive impairment in a Northern Italy population. *International Journal of Health Geographics* 2024
10. Urbano, Maramotti, Tondelli, Galligani, Cabone, Iacovino, Vinceti, **Zamboni**, Chiari, Bedin. Comparison of Serum and Cerebrospinal Fluid Neurofilament Light Chain Concentrations Measured by Ella™ and Lumipulse™ in Patients with Cognitive Impairment. *Diagnostics* 2024
11. ***Zamboni**, Mattioli, Arya, Tondelli, Vinceti, Chiari, Jenkinson, Huey, Grafman. Multimodal nonlinear correlates of behavioural symptoms in frontotemporal dementia. *Brain imaging and Behavior* 2024
12. Salemme, Marconi, Pani, **Zamboni**, Sardu, Lazzeri, Corbo, Lacorte, Locuratolo, Ancidoni, Vanacore, Bellomo. Universal Prevention of Dementia in Italy: A Document Analysis of the 21 Italian Regional Prevention Plans. *Journal of Prevention of Alzheimer's Disease* 2024
13. Ballerini, Biagioli, Carbone, Chiari, Tondelli, Vinceti, Bedin, Malagoli, Genovese, Scolastico, Giovannini, Pugnaghi, Orlandi, Lemieux, Meletti, **Zamboni**[#], Vaudano[#] ([#]joint senior authors). Late-onset Temporal Lobe Epilepsy differs from Mild Cognitive Impairment: insights from brain atrophy and Alzheimer's Disease biomarkers. *Brain* 2024
14. Mazzoli, Chiari, Vitolo, Garuti, Adani, Vinceti G, **Zamboni**, Tondelli, Galli, Costa, Salemme, Boriani, Vinceti M, Filippini. Atrial fibrillation and other cardiovascular factors and the risk of dementia: an Italian case-control study. *International Journal of Environmental Research and Public Health* 2024
15. *Tondelli, Ballotta, Maramotti, Carbone, Galligani, MacKay, Pagnoni, Chiari, **Zamboni**. Resting-state networks and anosognosia in Alzheimer's disease. *Frontiers in Aging Neuroscience* 2024
16. ***Zamboni**, Maramotti, Salemme, Tondelli, Giorgia Adani, Vinceti G., Carbone, Filippini, Vinceti M., Pagnoni, Chiari. Age-specific prevalence of the different clinical presentations of AD and FTD in young-onset dementia. *Journal of Neurology* 2024
17. Tondelli M., Chiari, Vinceti, Galli, Salemme, Filippini, Carbone, Minafra, De Luca, Prandi, Tondelli S., **Zamboni**. Greenness and neuropsychiatric symptoms in dementia. *Environmental Research* 2024.
18. Galligani, Carbone, Tondelli, **Zamboni**. Neurofilaments Light Chain in neurodegenerative dementias: a review of imaging correlates. *Brain Sciences* 2024
19. Tondelli, Manigrasso, **Zamboni**. Impaired Self-Awareness in Parkinson's and Huntington's Diseases: A Literature Review of Neuroimaging Correlates. *Brain Sciences* 2024

20. Carbone, Balboni, Beltrami, Gasparini, Vinceti, Gallingani, Salvatori, Salemme, Molinari, Tondelli, Marti, Chiari, **Zamboni**. Neuroanatomical correlates of cognitive tests in young-onset MCI. *Journal of Integrative Neuroscience* 2023
21. *Vinceti, Carbone, Gallingani, Fiondella, Salemme, Zucchi, Martinelli, Gianferrari, Tondelli, Mandrioli, Chiari, **Zamboni**. The association between life-long personality and clinical phenotype in the FTD-ALS spectrum. *Frontiers in Neurosciences* 2023
22. Mazzoleni, Vinceti, Costanzini, garuti, Adani, Vinceti, **Zamboni**, Tondelli, Galli, Salemme, Teggi, Chiari. Outdoor artificial light at night and risk of early-onset dementia: A case-control study in the Modena population, Northern Italy. *Helyon* 2023
23. Martinelli, Zucchi, Simonini, Gianferrari, **Zamboni**, Pinti, Mandrioli The landscape of cognitive impairment in superoxide dismutase 1-amyotrophic lateral sclerosis. *Neural Regeneration Research* 2023
24. Vinceti, Gallingani, Zucchi, Martinelli, Gianferrari, Simonini, Bedin, Chiari, Zamboni, Mandrioli. Young Onset Alzheimer's Disease Associated with C9ORF72 Hexanucleotide Expansion: Further Evidence for a Still Unsolved Association. *Genes* 2023
25. Sundaresan, Arthofer, **Zamboni**, Murchison, Deneen, Rothwell, Auer, Wang, Miller, Tendler, Alfaró-Almagro, Sotiropoulos. Automated detection of cerebral microbleeds on MR images using knowledge distillation framework *Frontiers in Neuroinformatics* 2023
26. Kumar, Yeo, Whittaker, Attra, Barrick, Bridges, Dickson, Esiri, Farris, Graham, Lin, Meijles, Pereira, Perry, Rosene, Shtaya, Agtmael, **Zamboni**, Hainsworth. Vascular Collagen Type-IV in Hypertension and Cerebral Small Vessel Disease. *Stroke* 2022
27. Vinceti, Balboni, Filippini, Wise, Nocetti, Eichmüller, **Zamboni**, Chiari, Michalke. Selenium Species in Cerebrospinal Fluid and Hippocampal Volume among Individuals with Mild Cognitive Impairment. *Environmental health perspectives* 2022
28. Carbone, Bardi, Corni, Balbonia, Filippini, Fiondella, Salemme, Vinceti, Molinari, Tondelli, Chiari, **Zamboni**. Why can spontaneous intracranial hypotension cause behavioral changes? A case report and multimodality neuroimaging comparison with frontotemporal dementia. *Cortex* 2022
29. Ng, Rowland, Wei, Arunasalam, Hayes, Koychev, Hedegaard, Ribe, Chan, Chessell, ffytche, Gunn, Kocagoncu, Lawson, Malhotra, Ridha, RoweThomas, **Zamboni**, Buckley, Cader, Lovestone, Wade-Martins. Neurons derived from individual early Alzheimer's disease patients reflect their clinical vulnerability. *Brain Communications* 2022
30. *Tondelli, Salemme, Vinceti, Bedin, Trenti, Molinari, Chiari, **Zamboni**. Predictive value of phospho-tau/total-tau ratio in amyloid-negative Mild Cognitive Impairment. *Neuroscience letters* 2022.
31. *Balboni, Nocetti, Carbone, Dinsdale, Genovese, Guidi, Malagoli, Chiari, Namburete, Jenkinson, **Zamboni**. 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* 2022
32. Urbano, Vinceti, Mandrioli, Chiari, Filippini, Bedin, Tondelli, Simonini, **Zamboni**, Shimizu, Saito. Selenoprotein P Concentrations in the Cerebrospinal Fluid and Serum of Individuals Affected by Amyotrophic Lateral Sclerosis, Mild Cognitive Impairment and Alzheimer's Dementia. *International journal of molecular sciences* 2022.
33. Chiari, Tondelli, Galli, Carbone, Fiondella, Salemme, Vinceti, Bedin, Molinari, **Zamboni**. How long does it take to diagnose young-onset dementia? A comparison with late-onset dementia. *Neurological Sciences* 2022
34. *Tondelli, Benuzzi, Ballotta, Molinari, Chiari, **Zamboni**. Eliciting Implicit Awareness in Alzheimer's Disease and Mild Cognitive Impairment: A Task-Based Functional MRI Study. *Frontiers in Aging Neurosciences* 2022
35. Salemme, Benuzzi, Fiondella, Carbone, Vinceti, Magarelli, Molinari, Malagoli, **Zamboni**, Chiari. Pure word deafness: a case report of an atypical manifestation of Alzheimer's Disease. *Neurological Sciences* 2022
36. Sundaresan, Arthofer, **Zamboni**, Dineen, Rothwell, Sotiropoulos, Auer, Tozer, Markus, Miller, Dragonu, Sprigg, Alfaró-Almagro, Jenkinson, Griffanti. Automated Detection of Candidate Subjects with Cerebral Microbleeds using Machine Learning. *Frontiers in Neuroinformatics* 2022.
37. Chiari, Pistoressi, Galli, Tondelli, Vinceti, Molinari, Addabbo, **Zamboni**. Determinants of Caregiver Burden in Early-Onset Dementia. *Dementia and geriatric cognitive disorders Extra.* 2021
38. Sundaresan, **Zamboni**, Dinsdale, Rothwell, Griffanti, Jenkinson. Comparison of domain adaptation techniques for white matter hyperintensity segmentation in brain MR images. *Medical Image Analysis* 2021
39. *Chiari, Vinceti, Adani, Tondelli, Galli, Fiondella, Costa, Molinari, Filippini, **Zamboni**#, Vinceti# (#joint senior authors) Epidemiology of early onset dementia and its clinical presentations in the province of Modena, Italy. *Alzheimer's & Dementia: The Journal of the Alzheimer's Association*, 2022

40. *Tondelli, Galli, Vinceti, Fiondella, Salemme, Carbone, Molinari, Chiari, **Zamboni**. Anosognosia in Early- and Late-Onset Dementia and Its Association With Neuropsychiatric Symptoms. *Frontiers in Psychiatry* 2021
41. Sundaresan, **Zamboni**, Rothwell, Jenkinson, Griffanti. Triplanar ensemble U-Net model for white matter hyperintensities segmentation on MR images. *Medical Image Analysis* 2021
42. Bordin, Bertani, Mattioli, Sundaresan, McCarthy, Suri, Zsoldos, Filippini, Mahmood, Melazzini, Laganà, **Zamboni**, Singh-Manoux, Kivimäki, Ebmeier, Baselli, Jenkinson, Mackay, Duff, Griffanti. Integrating large-scale neuroimaging research datasets: Harmonisation of white matter hyperintensity measurements across Whitehall and UK Biobank datasets. *Neuroimage* 2021
43. Overman, **Zamboni**, Butler, Ahmed. Splenial white matter integrity is associated with memory impairments in posterior cortical atrophy. *Brain Communications* 2021
44. Filippini, Adani, Malavolti, Garuti, Cilloni, Vinceti, **Zamboni**, Tondelli, Galli, Costa, Chiari, Vinceti. Dietary Habits and Risk of Early-Onset Dementia in an Italian Case-Control Study. *Nutrients* 2020
45. Adani, Filippini, Garuti, Malavolti, Vinceti G., **Zamboni**, Tondelli, Galli, Costa, Vinceti M., Chiari. Environmental risk factors for early-onset alzheimer's dementia and frontotemporal dementia: A case-control study in northern Italy *International Journal of Environmental Research and Public Health* 2020
46. Torso, Bozzali, **Zamboni**, Jenkinson, Chance. Detection of Alzheimer's Disease using cortical Diffusion Tensor Imaging. *Human Brain Mapping* 2020
47. Torso, Ahmed, Butler, **Zamboni**, Jenkinson, Chance. Cortical diffusivity investigation in posterior cortical atrophy and typical Alzheimer's disease. *Journal of Neurology* 2020
48. Sundaresan, **Zamboni**, Le Heron; Rothwell, Husain, Battaglini, De Stefano, Jenkinson, Griffanti. Automated lesion segmentation with BIANCA: impact of population-level features, classification algorithm and locally adaptive thresholding. *Neuroimage* 2019
49. ***Zamboni**, Griffanti, Mazzucco, Pendlebury, Rothwell. Age-dependent association between white matter abnormality on brain imaging and cognition after TIA and minor stroke. *Neurology* 2019
50. Loane, Argyropoulos, Roca-Fernández, Lage, Sheerin, Ahmed, **Zamboni**, Mackay, Irani, Butler. Hippocampal network abnormalities explain amnesia after VGKC-Ab related autoimmune limbic encephalitis. *Journal of Neurology Neurosurgery Psychiatry* 2019
51. Munir, Ursenbach, Wang, **Zamboni**, Griffanti, Gupta, Tariq, Smith, Frayne, Sajobi, Coutts, Barber and the Alzheimer's Disease Neuroimaging Initiative. Longitudinal Brain Atrophy Rates in Transient Ischemic Attack and Minor Stroke Patients and Cognitive Profiles. *Frontiers in Neurology* 2019
52. Veldsman, **Zamboni**, Butler, Ahmed. Attention network dysfunction underlies memory impairment in Posterior Cortical Atrophy. *NeuroImage Clinical* 2019
53. Vinceti, Michalke, Malagoli, Eichmüller, Filippini, Tondelli, Bargellini, Vinceti, **Zamboni**, Chiari. Selenium and selenium species in the etiology of Alzheimer's dementia: The potential for bias of the case-control study design. *Journal of Trace Elements in Medicine and Biology* 2019
54. Sundaresan, Griffanti, Kindalova, Alfaro-Almagro, **Zamboni**, Rothwell, Nichols, Jenkinson. Modelling the distribution of white matter hyperintensities due to ageing on MRI images using Bayesian inference. *NeuroImage* 2019
55. Ahmed, Loane, Bartels, **Zamboni**, Mackay, Baker, Husain, Thompson, Hornberger, Butler. Lateral parietal contributions to memory impairment in posterior cortical atrophy. *Neuroimage Clinical* 2018
56. Koychev, Galna, Zetterberg, Lawson, **Zamboni**, Ridha, Rowe, Thomas, ffytche, Howard, Malhotra, Lovestone, Rochester. $A\beta_{42}/A\beta_{40}$ and $A\beta_{42}/A\beta_{38}$ ratios are associated with gait variability and activities of daily living in mild Alzheimer's disease. *Journal of Alzheimer's Disease, Journal of Alzheimers Disease* 2018
57. *Tondelli, Barbarulo, Vinceti, Vincenzi, Chiari, Nichelli, **Zamboni**. Neural correlates of anosognosia in Alzheimer's disease and mild cognitive impairment: a multimethod assessment. *Frontiers in Behavioural Neurosciences* 2018
58. Teoh, Hofer, Kerr, Warner, Kuker, Rothwell, **Zamboni**. Disseminated leptomeningeal tumour mimicking a subarachnoid haemorrhage. *The Neuroradiology Journal* 2018
59. Firouzian, Whittington, Searle, Koychev, **Zamboni**, Lovestone, Gunn, on behalf of the Deep and Frequent Phenotyping study team. Imaging $A\beta$ and Tau in Early Stage Alzheimer's Disease with $[^{18}F]AV45$ and $[^{18}F]AV1451$. *EJNMMI Res.* 2018
60. O'Donoghue, Murphy, **Zamboni**, Nobre, Mackay. APOE genotype and cognition in healthy individuals at-risk of Alzheimer's disease: a review. *Cortex* 2018

61. Ahmed, Irish, Loane, Baker, Husain, Thompson, Blanco, Mackay, **Zamboni**, Foxe, Hodges, Piguët, Butler. Association between precuneus volume and autobiographical memory impairment in posterior cortical atrophy: beyond the visual syndrome. *Neuroimage Clinical* 2018
62. Mc Ardle, Morris, Hickey, Del Din, Koychev, Firouzian, Lawson, **Zamboni**, Ridha, Sahakian, Rowe, Howard, Lovestone, Rochester on behalf of the Deep and Frequent Phenotyping study team. Gait in mild Alzheimer's disease: Feasibility of multi-centre measurement in the clinic and home with body-worn sensors. *Journal of Alzheimer's Disease* 2018
63. Griffanti, Stratmann, Rolinski, Filippini, Zsoldos, Mahmood, **Zamboni**, Douaud, Klein, Kivimäki, Singh-Manoux, Hu, Ebmeier, Mackay. Exploring variability in basal ganglia connectivity with functional MRI in healthy ageing. *Brain Imaging and Behaviour* 2018
64. Vinceti, Chiari, Eichmüller, Rothman, Filippini, Malagoli, Weuve, Tondelli, **Zamboni**, Nichelli, Michalke. A selenium species in cerebrospinal fluid predicts conversion to Alzheimer's dementia in persons with mild cognitive impairment. *Alzheimer's Research & Therapy* 2017
65. Koychev, Gunn, Firouzian, Lawson, **Zamboni**, Ridha, Sahakian, Rowe, Thomas, Rochester, ffytche, Howard, Zetterberg, MacKay, Lovestone (URL www.dementiastudy.co.uk) PET Tau and Amyloid- β Burden in Mild Alzheimer's Disease: Divergent Relationship with Age, Cognition and CSF Biomarkers. *Journal of Alzheimer's Disease* 2017
66. ***Zamboni**, Griffanti, Jenkinson, Mazzucco, Li, Kuker, Pendlebury, Rothwell on behalf of the Oxford Vascular Study. White matter imaging correlates of early cognitive impairment detected by the MoCA after TIA and minor stroke. *Stroke* 2017
67. Lau, Li, Lovelock, **Zamboni**, Chan, Chiang, Lo, Kueker, Mak, Rothwell. Clinical correlates, prognostic implications and ethnic differences of perivascular spaces in TIA and ischaemic stroke. *Stroke* 2017
68. *Griffanti, Jenkinson, Suri, Zsoldos, Mahmood, Filippini, Sexton, Topiwala, Allan, Kivimäki, Singh-Manoux, Ebmeier, Mackay, **Zamboni**. Characterisation and definition of periventricular and deep white matter hyperintensities in older adults: An MRI study. *Neuroimage* 2017
69. Griffanti, Wilcock, Voets, Bonifacio, Jenkinson, **Zamboni**. Donepezil enhances frontal functional connectivity in Alzheimer's disease: a pilot study. *Dementia and Geriatric Cognitive Disorders Extra* 2016.
70. Tocilizumab-associated multifocal cerebral thrombotic microangiopathy. Jewell, Ansorge, Kuker, Irani, **Zamboni**. *Neurology: Clinical Practice* 2016
71. *Griffanti, **Zamboni**, Khan, Li, Bonifacio, Sundaresan, Schulz, Kuker, Battaglini, Rothwell, Jenkinson. BIANCA (Brain Intensity AbNormality Classification Algorithm): a new tool for automated segmentation of white matter hyperintensities. *Neuroimage* 2016
72. Griffanti, Rolinski, Szewczyk-Krolikowski, Menke, Filippini, **Zamboni**, Jenkinson, Hu, Mackay. Challenges in the reproducibility of clinical studies with resting state fMRI: an example in early Parkinson's disease. *Neuroimage* 2016
73. Bonifacio & **Zamboni** . Brain imaging in dementia. *BMJ Postgraduate Medical Journal* 2016
74. Rolinski, Griffanti, Szewczyk-Krolikowski, Menke, Wilcock, Filippini, **Zamboni**, Hu , Mackay. Aberrant functional connectivity within the basal ganglia of patients with Parkinson's disease. *NeuroImage: Clinical*. 2015
75. Cristofori, Viola, Chau, Zhong, Krueger, **Zamboni**, Grafman. The neural bases for devaluing radical political statements revealed by penetrating traumatic brain injury. *Social Cognitive and Affective Neuroscience* 2015.
76. Benuzzi, **Zamboni**, Meletti, Serafini, Lui, et al. Recovery from emotion recognition impairment after temporal lobectomy. *Frontiers in Neurology*. 2014 Jun 6;5:92
77. Voets, **Zamboni**, Stokes, Carpenter, Stacey, Adcock. Aberrant functional connectivity in dissociable hippocampal networks is associated with deficits in memory. *Journal of Neuroscience* 2014
78. Szewczyk-Krolikowski, Menke, Rolinski, Duff, Salimi-Khorshidi, Filippini, **Zamboni**, Hu, Mackay. Functional connectivity in the Basal Ganglia network differentiates PD patients from Controls. *Neurology* 2014
79. ***Zamboni**, Wilcock, Douaud, Drazich, Filippini, Brooks, Jenkinson, Smith, Tracey, Mackay. Resting functional connectivity reveals residual functional activity in Alzheimer's disease. *Biological Psychiatry*, 2013
80. Douaud, Menke, Gass, Monsch, Rao, **Zamboni**, Whitcher, Matthews, Sollberger, Smith. Brain microstructure reveals early abnormalities more than two years prior to MCI-AD conversion. *The Journal of Neuroscience* 2013.
81. **Zamboni**, de Jager, Drazich, Douaud, Jenkinson, Smith, Tracey, Wilcock. Structural and functional bases of visuospatial associative memory in older adults. *Neurobiology of aging*. 2013

82. ***Zamboni**, Drazich, McCulloch, Filippini, Mackay, Jenkinson, Tracey, Wilcock. Neuroanatomy of impaired self-awareness in Alzheimer's disease and mild cognitive impairment. *Cortex* 2013.
83. *Tondelli, Wilcock, Nichelli, De Jager, Jenkinson, **Zamboni**. Structural MRI changes detectable up to ten years before clinical Alzheimer's disease. *Neurobiology of aging* 2012.
84. Dean, Oulhaj, **Zamboni**, de Jager, Wilcock. The role of depression in predicting time to conversion to Mild Cognitive Impairment. *American Journal of Geriatric Psychiatry* 2014
85. Pendlebury, Markwick, de Jager, **Zamboni**, Wilcock, Rothwell. Differences in Cognitive Profile between TIA, Stroke and Elderly Memory Research Subjects: A Comparison of the MMSE and MoCA. *Cerebrovasc Dis.* 2012.
86. Markwick, **Zamboni**, de Jager. Profiles of cognitive subtest impairment in the Montreal Cognitive Assessment (MoCA) in a research cohort with normal Mini-Mental State Examination (MMSE) scores. *Journal of clinical and experimental neuropsychology.* 2012
87. Pugnaghi, Molinari, Panzetti, Nichelli, **Zamboni**. "My sister's hand is in my bed": a case of somatoparaphrenia. *Neurological sciences* 2012
88. **Zamboni**, Grafman, Krueger, Knutson, Huey. Anosognosia for Behavioral Disturbances in Frontotemporal Dementia and Corticobasal Syndrome: A Voxel-Based Morphometry Study. *Dementia & Geriatric Cognitive Disorders* 2010
89. **Zamboni** & Wilcock. Lack of awareness of symptoms in people with dementia: the structural and functional basis. *International Journal of Geriatric Psychiatry* 2011
90. Strenziok, Pulaski, Krueger, **Zamboni**, Clawson, Grafman. Regional brain atrophy and impaired decision making on the balloon analog risk task in behavioral variant frontotemporal dementia. *Cogn Behav Neurol.* 2011.
91. Strenziok, Krueger, Pulaski, Openshaw, **Zamboni**, van der Meer, et al. Lower lateral orbitofrontal cortex density associated with more frequent exposure to television and movie violence in male adolescents. *J Adolesc Health.* 2010.
92. Krueger, Barbey, McCabe, Strenziok, **Zamboni**, Solomon, Raymond, Grafman. The neural bases of key competencies of emotional intelligence. *Proceedings of the National Academy of Sciences of the United States of America* 2009.
93. Kapogiannis D, Barbey AK, Su M, **Zamboni G**, Krueger F, Grafman J. Cognitive and neural foundations of religious belief. *Proceedings of the National Academy of Sciences of the United States of America.* 2009.
94. Gozzi, **Zamboni**, Krueger, Grafman. Interest in politics modulates neural activity in the amygdala and ventral striatum. *Hum Brain Mapp.* 2010
95. Huey, Goveia EN, Paviol S, Pardini M, Krueger F, **Zamboni G**, et al. Executive dysfunction in frontotemporal dementia and corticobasal syndrome. *Neurology* 2009
96. **Zamboni**, Gozzi, Krueger, Duhamel, Sirigu, Grafman. Individualism, conservatism, and radicalism as criteria for processing political beliefs: A parametric fMRI study. *Soc Neurosci.* 2009
97. ***Zamboni G**, Huey ED, Krueger F, Nichelli PF, Grafman J. Apathy and disinhibition in frontotemporal dementia: Insights into their neural correlates. *Neurology* 2008
98. Knutson, **Zamboni**, Tierney, Grafman. Neural Correlates of Caregiver Burden in Cortical Basal Syndrome and Frontotemporal Dementia. *Dement Geriatr Cogn Disord.* 2008
99. **Zamboni**, Budriesi, Nichelli. "Seeing oneself": a case of autoscopy. *Neurocase* 2005. This case has been reported (with permission) in the *Handbook of Clinical Neurology*, Vol. 88 (3rd series), Neuropsychology and behavioral neurology, G. Goldenberg, B. Miller, Editors, 2008 Elsevier
100. Benuzzi, Meletti, **Zamboni**, Calandra-Buonaura, Serafini, Lui et al. Impaired fear processing in right mesial temporal sclerosis: a fMRI study. *Brain research bulleti* 2004

Capitoli di libri

101. **Zamboni G** "Functional specialisation and network connectivity in brain function" In "Oxford Textbook in Clinical Neurology: Cognitive Neurology and Dementia" edited by Masud Hussain and Jonathan Schott, Published on behalf of Oxford University Press. Published in print June 2016 | ISBN: 9780199655946 Published online July 2016 | e-ISBN: 9780191761522 | DOI: <http://dx.doi.org/10.1093/med/9780199655946.003.0002>
102. Moretti L., Cristofori I., **Zamboni G.**, Sirigu A. "The Neural Structure of Political Behaviours" In "The Neural Basis of Human Belief Systems" by Grafman and Krueger, Psychology Press, 9th July 2012

103. Nichelli P., **Zamboni G.** "Clinica e neuropsicologia del deterioramento cognitivo". In G. Gambina and C. Pasetti (Eds.) *Introduzione alla malattia di Alzheimer e alla altre demenze: dalla clinica alla bioetica*. Edizioni libreria Cortina. Verona: pp. 19-28.
-

Letture su invito

- High Risk, High Gain! Learn from successful researchers *Corso Complementare Dottorandi 2025*, Modena 14 gen 2025
- Focus sulla demenza frontotemporale: clinical trials e terapie emergenti *Riunione SINDem Emilia-Romagna*, Bologna 6 dicembre 2024
- Anticorpi monoclonali e demenze *Riunione regionale SIN Emilia-Romagna*, Bologna 29 novembre 2024
- Real life experience: importanza del monitoraggio durante il trattamento. *Lilly Virtual Scientific Exchange Meeting - Malattia di Alzheimer: approccio a 360° in un contesto in evoluzione*, 25 novembre 2024
- Contributo dei biomarcatori nel processo diagnostico di MCI e demenza tra pratica clinica e ricerca. *XVII Convegno I Centri per i Disturbi Cognitivi e la Demenza e la Gestione Integrata della Demenza*, Roma 18-19 novembre 2024
- Terapie modificanti la storia naturale di malattia nell'Alzheimer: orizzonte lontano o vicino? *Riunione regionale SINDEM Emilia Romagna*, Reggio Emilia 15 dicembre 2023
- Nuove Strategie terapeutiche nella malattia di Alzheimer, *Convegno Malattia di Alzheimer: strategie e progressi nella ricerca*, Modena 22 Settembre 2023
- Latozinemab Mechanism & Data from the Phase 2 Study. *Alector INFRONT-3 (AL001-3) 2023 Investigators' Meeting*, Barcellona 10 March 2023
- Correlati neuroanatomici e neuropsicologici dei BPSD. *Meeting Sindem Regionale ER*. Bologna 16 Dicembre 2022
- The Clinical Use of MRI in Dementia. *The Oxford Clinical Neuroimaging Course*, Oxford University (disponibile online da Luglio 2022)
- Elementi di Neurologia cognitiva: casi storici e contemporanei. *IANUA Scuola Superiore dell'Universita di Genova*. 29 maggio 2021.
- La demenza giovanile a Modena. *Alzheimer Fest, Cesenatico* 12 Settembre 2020
- Age-dependent association between white matter abnormality on brain imaging and cognition. *AVIC symposium and Sir Paul Nurse lecture*, Oxford 23 Novembre 2017
- Neuroimaging in pazienti con alterato stato di coscienza e consapevolezza. *Master su "Grave cerebrolesione acquisita (GCA)"* Reggio Emilia, 11 Febbraio 2017
- Embracing the complexity of dementia: from AD to small vessel disease, Oxford Memory Day, 13 Luglio 2016
- MRI in Vascular Cognitive Impairment. *Oxford-China Fellowship Programme*, Oxford 26 Giugno 2014
- Update on Alzheimer's disease. Oxford Dementia Day, Oxford 10 Luglio 2013
- MRI characterisation of structural and functional changes from preclinical to clinical Alzheimer's disease. Barts and The London School of Medicine and Dentistry, Londra 21 febbraio 2013
- Structural and Functional MRI in the prediction and characterization of MCI and AD. CUBRIC centre, Cardiff, 14 gennaio 2013
- Improved MRI characterization of structural and functional changes from preclinical to clinical Alzheimer's disease. The Computational, Cognitive and Clinical Neuroimaging Laboratory (C3NL)-Brain Meeting London, Imperial College, Londra 20 marzo 2012
- Impaired self-awareness in Alzheimer's dementia and Mild Cognitive Impairment. British Neuropsychology Society Spring Meeting, Londra, 31 marzo 2011
- Brain MRI procedures: how can they add to our knowledge about the symptoms and progression of Alzheimer's disease? Alzheimer's Research UK Public Meeting, Oxford (UK), 19 marzo 2011
- Early brain correlates of later cognitive impairment in healthy elderly. Platform presentation, British Geriatric Society Autumn Meeting 2010, Brighton, 4 Novembre 2010
- I disturbi comportamentali delle demenze. Merano, 1 ottobre 2010

Imaging funzionale nelle demenze neurodegenerative. Sessione Plenaria, 50° Congresso Nazionale SNO, Parma, 20 maggio 2010

The establishment of functional MRI procedures in the characterisation of Alzheimer's disease. Alzheimer's Research Trust Public Meeting, Oxford (UK), 23 gennaio 2010

Imaging & dementia: establishing fMRI procedures for Alzheimer's disease. FMIRB, University of Oxford, Oxford (UK), 2 dicembre 2008

Fellowships

2013-2015	Senior Clinical Research Fellowship from NDCN, University of Oxford.
2008-2013	Clinical Research Fellowship in Dementia from the Oxford BRC, NIHR, UK
2006-2008	Supplemental Visiting Fellowship from the NINDS, NIH, USA
2004	Fellowship per partecipare al The Vivian Smith Advanced Studies Summer Institute, International Neuropsychological Society

Grants

*Dicembre 2022, Ministero dell'Università, PNRR (Zamboni responsabile scientifico UNIMORE per Spoke 1, PI del progetto Paolo Ravazzani, PI per UNIMORE Rita Cucchiara): "Fit4MedRob- Fit for Medical Robotics": budget Spoke 1 UNIMORE €960.596

Agosto 2022, Piano Operativo per la Salute (POS) del Ministero della Salute, Traiettorie 1 "Active & Healthy Ageing - Tecnologie per l'invecchiamento attivo e l'assistenza domiciliare" (PI del progetto Eugenio Caperchione): "Lively ageing: una rete integrata di servizi e tecnologie per il benessere degli anziani": €2.774.636 (di cui 58000 ad Azienda Ospedaliero Universitaria)

**Dicembre 2021, ERC-2021-STG (European Research Council Starting Grant), PI, "Anosognosia and Delusions in the diseased brain- UnaWireD": €1.213.887

Dicembre 2021, Fondo di Ateneo per la Ricerca 2021 - Bando per il finanziamento di progetti di ricerca interdisciplinari Mission Oriented (co-PI, con Carlo Augusto Bortolotti): "P-Tau Diagnostics of Alzheimer's Disease with Label Free Organic Transistors (P-DOT)": €73.000

Aprile 2014, Wellcome Trust, Strategic Award in Biomedical Science (co-applicant con Peter Rothwell nel ruolo di PI) "Centre for Prevention of Stroke and Dementia": £3,5 milioni

Giugno 2009, Alzheimer's Research Trust, Pilot Project Grant (co-PI, con C. Mackay, G. Wilcock, K. Ebmeier, C. Beckmann) "Evaluation of dementia-specific signatures of resting networks in the brain": £29.980

Febbraio 2009, Sir Halley Stewart Trust (PI): "Imaging in dementia – the establishment of functional magnetic resonance imaging procedures for Alzheimer's Disease": £60.000

Novembre 2008, International projects Grant Fondazione Cassa di Risparmio, Italy, (co-PI, con P Nichelli): "The neuroanatomical correlates of changes in political attitudes and behaviours in dementia": €50.000

Ruolo di PI

Da ottobre 2024 PI per UNIMORE dello studio profit "*Randomised, double-blind, placebo-controlled study to assess safety and efficacy of PRI-002 in patients with MCI or mild dementia due to Alzheimer's Disease (AD)*"

Da ottobre 2024 PI per AOU Modena dello studio profit "*A Phase 2, Parallel Group, Randomized, Double-Blind, Placebo-Controlled, 3-Arm, Multicenter Treatment Study to Evaluate the Efficacy and Safety of GSK4527226 [AL101] Intravenous Infusion Compared with Placebo in Patients with Early Alzheimer's Disease*"

Da novembre 2023 PI per AOU Modena dello studio profit *“A Phase 3, Randomized, Double-Blind, Placebo-Controlled Relapse Prevention Study to Evaluate the Safety and Efficacy of KarXT for the Treatment of Psychosis Associated with Alzheimer’s Disease Dementia”*

Dal 1 dicembre 2022 responsabile scientifica per UNIMORE dello Spoke 1 *“Clinical Translation & Innovation”* del Progetto FIT4MEDROB *“Fit for Medical Robotics: A new generation of biorobotic and digital technologies for a sustainable welfare”* (PI per Unimore Rita Cucchiara), uno dei 4 progetti approvati del bando PNRR dedicato alle tecnologie per la salute e nel caso specifico alle tecnologie per la biorobotica, la robotica riabilitativa e le tecnologie digitali che ha lo scopo di portare i risultati della ricerca robotica e dell’intelligenza artificiale nell’uso quotidiano del Sistema Sanitario Italiano.

Dal 1 settembre 2022 PI dello studio non profit UnaWireD *“Anosognosia e deliri nelle malattie neurodegenerative”* finanziato da Starting Grant ERC (Supervisione di 2 assegnisti di ricerca, 1 dottorando, 1 project manager).

Da ottobre 2020: PI per UNIMORE (leading recruiter site) dello studio profit *“A Phase 3, Multicenter, Randomized, Double-Blind, Placebo-Controlled Study to Evaluate the Efficacy and Safety of AL001 in Individuals at Risk for or With Frontotemporal Dementia Due to Heterozygous Mutations in the Progranulin Gene”* e successivo *Open-Label extension study*

2018-2022: PI dello studio non profit *“Fisiopatologia, fattori predittivi di conversione e del fenotipo comportamentale-cognitivo dei pazienti con Mild cognitive impairment (MCI)”* finanziato dal grant *“Dipartimenti di eccellenza 2018-2022”* del MIUR al dipartimento di Scienze Biomediche Metaboliche e Neuroscienze di UniMoRe (PI Profs Porro e Zoli).

2018-2019: PI per il centro UniMoRE dello studio profit Amaranth, a randomised double-blinded multicentre study for lanabecestat in prodromal AD e mild AD (D5010C00009)

2016-2019: collaborazione allo studio *“Demenza ad esordio giovanile: epidemiologia e bisogni dei pazienti”* (PI Annalisa Chiari) finanziato da AIRAIZ & COOP Italia

2016-2017: PI dello studio *“Disruption of functional connectivity within the default mode network relates to anosognosia in Alzheimer’s disease”* Fondo di Ateneo 2015 al Dipartimento di scienze Biomediche, metaboliche e neuroscienze, UniMoRe.

2014-2015: Clinical Lead per il centro di Oxford dello studio *Deep and Frequent Phenotyping Feasibility Study* (multicentre NIHR/MRC funded study led by Simon Lovestone, using UK Dementia Platform)

2013-2015: Imaging Lead per lo studio *The Oxford vascular Study*, PI Peter Rothwell, NDCN, Oxford University. Responsabile del protocollo di imaging di una popolazione di 2000 pazienti con deficit cognitive su base vascolare. (Supervisione di 1 Postdoctoral Analysis Research Assistant, 2 Research Nurses, 3 visiting scientists, 2 PhD students).

2008-2013: Responsabile del programma di neuroimaging dell’*Oxford Project to Investigate Memory and Ageing (OPTIMA)* in collaborazione con il centro di Imaging Centre for Functional MRI of the Brain (FMRIB). PI di uno studio da titolo *Functional and structural MRI as biomarker of Alzheimer’s disease*. (Supervisione di 1 Research Assistant, 1 Research Nurse, 2 visiting scientists).

Altre responsabilità

Attività di Public Engagement:

Insegnamento:

Dal 2016 Corso *Malattie del Sistema Nervoso* CdL Medicina, Università di Modena e Reggio Emilia. Dal 2016 Corso *Neuropsicologia* CdL Fisioterapia Logopedia Terapia Occupazionale, Università di Modena e Reggio Emilia.

Dal 2021 Docente di Corso di Dottorato in Neuroscienze Università di Modena e Reggio Emilia.
Dal 2022 Docente Corso di Dottorato Nazionale **PhD in Theoretical and Applied Neuroscience**.

Dal 2013 al 2016 lecturer, FMRIB postgraduate course, Oxford University.

Dal 2009 al 2016 tutor Corso di Medicina, Oxford University.

In totale, dal 2006 tutor di 5 PhD Students presso NIH (M. Gozzi) Oxford University (C. ODonogue, V. Sundaresan) e UNIMORE (C. Carbone, G. Vinceti). Attualmente tutor di 2 PhD Students (S. Salemme e R. Maramotti)

Dal 2015 relatrice della tesi sperimentale di 21 studenti di Medicina presso UNIMORE. In corso supervisione di 4 tesi.

Attività editoriale e di revisione: Associate editor per *Frontiers in Behavioral Neuroscience* e *Journal of Integrative Neuroscience*. Reviewer ad hoc per le seguenti riviste scientifiche: *Neurology*, *Brain*, *Cerebral Cortex*, *Biological Psychiatry*, *Human Brain Mapping*, *Cortex*, *Journal of Neuroscience*, *Neuroimage*. Grant reviewer per il Medical Research Council (MRC), Regno Unito (2014 & 2015) e per Alzheimer's Society UK, Regno Unito (2013).

Altro:

Da settembre 2024 vice-primario della S.C di neurologia della AOU di Modena sulla verifica e revisione della qualità professionale e come responsabile della formazione e addestramento personale.

Da ottobre 2024 componente esterno del Coordinamento Regionale per le Demenze della Regio Emilia Romagna nel ruolo di referente per la ricerca ed i trials clinici per la malattia di Alzheimer e le demenze.

Da febbraio 2017 a gennaio 2019 Responsabile della Sezione di Neurologia dell'Italian Medical Society of Great Britain (IMSOGB). I responsabili di Sezione sono individuati tra i componenti della comunità medica e scientifica italiana nel Regno Unito con maggiore prestigio ed esperienza nel proprio settore.

Da giugno 2022 Membro della Commissione Ricerca del Dipartimento di Scienze Biomediche Metaboliche e Neuroscienze, UNIMORE.

Da Ottobre 2022 Membro del Scientific Advisory Board di FACILITATE PROJECT (H2020-IMI-2).