

Giovanna Zamboni

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Positions

<i>Since June 2019</i>	Associate Professor of Neurology , Università di Modena e Reggio Emilia (UniMoRe), Italy
<i>Dec 2015- May 2019</i>	Assistant Professor (Ricercatore a tempo determinato tipo B) , Università di Modena e Reggio Emilia (UniMoRe), Italy
<i>April 2013- Aug 2018</i>	Senior Clinical Research Fellow & Honorary Consultant Neurologist , Nuffield Department of Clinical Neurosciences (NDCN), University of Oxford, UK
<i>Sep 2008- Mar 2013</i>	Clinical Research Fellow , FMRIB (Oxford Centre for Functional MRI of the Brain) and OPTIMA (Oxford Project to Investigate Memory and Ageing), NDM, University of Oxford
<i>Jul 2006- Aug 2008</i>	Visiting Research Fellow , Cognitive Neuroscience Section, National Institute of Neurological Disorders and Stroke, National Institutes of Health, Bethesda (MD), USA
<i>Nov 2002- Oct 2007</i>	Neurology Resident , Università di Modena e Reggio Emilia, Modena, Italy

Degrees

<i>July 2013</i>	DPhil, Clinical Medicine, University of Oxford. Thesis: "Structural and Functional Magnetic Resonance Imaging in the prediction and characterization of Mild Cognitive Impairment and Alzheimer's Disease"
<i>October 2007</i>	Diploma of specialized doctor in Neurology (CCT equivalent), Università di Modena e Reggio Emilia, Italy. Thesis: "The neural correlates of behavioural profiles in frontotemporal lobar degeneration patients". Score: 110/110 cum laude
<i>September 2002</i>	Medical Qualification (MBBS), University of Modena and Reggio Emilia, Italy. Thesis: "Fear recognition in Temporal Lobe Epilepsy patients after anterior temporal lobectomy: a functional MRI study". Score: 110/110 Summa cum laude, special honour mention.

Clinical activity

<i>Since 2018</i>	Consultant Neurologist, Azienda Ospedaliero Universitaria di Modena, Italy
<i>2013 -2016</i>	Honorary Consultant Neurologist, Clinical Neurology, Oxford University Hospitals NHS Trust
<i>2008- 2013</i>	Locum Consultant Physician, Oxford Memory Assessment Clinic, John Radcliffe Hospital, Oxford University Hospitals NHS Trust
<i>May-Nov 2011</i>	Part-time Locum Consultant Neurologist, King's College Hospital, London
<i>Sep 2008</i>	Specialist Registration as Consultant Neurologist, UK General Medical Council
<i>2002-2006</i>	Neurology Resident, Hospitals of the University of Modena and Reggio Emilia, Italy
<i>July 2003</i>	Licence to Practice, Certificate of completion of training in general medicine, University of Modena and Reggio Emilia, Italy

Publications

Summary Documents: 107 (Scopus)
Number of citations: 4143 (Scopus), 6308 (Scholar)
H-index: 34 (Scopus), 40 (Scholar)

Papers (* indicates most significant papers)

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, 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, Galligani, Salvatori, Salemme, Molinari, Tondelli, Marti, Chiari, **Zamboni**. Neuroanatomical correlates of cognitive tests in young-onset MCI. *Journal of Integrative Neuroscience* 2023
21. *Vinceti, Carbone, Galligani, 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, Galligani, 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, Alfaro-Almagro, Sotiropoulos. Automated detection of cerebral microbleeds on MR images using knowledge distillation framework *Fronteers 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, fytche, 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, Alfaro-Almagro, Jenkinson, Griffanti. Automated Detection of Candidate Subjects with Cerebral Microbleeds using Machine Learning. *Frontiers in Neuroinformatics* 2022
37. Chiari, Pistoresi, 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, Mazucco, 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 VGKCC-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, Piguet, 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 autoscopia. *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

Book Chapters

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.

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 for The Vivian Smith Advanced Studies Summer Institute, International Neuropsychological Society

Grants

*December 2022, Ministero dell'Università, PNRR (Zamboni is the scientific responsible for UNIMORE Spoke 1, PI of the Project Paolo Ravazzani, PI for UNIMORE Rita Cucchiara): "Fit4MedRob- Fit for Medical Robotics": budget Spoke 1 UNIMORE €960.596

August 2022, Piano Operativo per la Salute (POS) Italian Minister of Health (MIUR) Trajectory 1 “Active & Healthy Ageing” (co-applicant with PI Eugenio Caperchione): “Lively ageing: integrated network for the wellness of elderly”: €2.774.636

**December 2021, ERC-2021-STG (European Research Council Grant), PI “Anosognosia and Delusions in the diseased brain-UnaWireD”: €1,213,887.50

December 2021, Fondo di Ateneo per la Ricerca 2021 - Bando per il finanziamento di progetti di ricerca interdisciplinari Mission Oriented (co-PI, with Carlo Augusto Bortolotti): “P-Tau Diagnostics of Alzheimer’s Disease with Label Free Organic Transistors (P-DOT)”: €73,000

April 2014, Wellcome Trust, Strategic Award in Biomedical Science (co-applicant with PI Peter Rothwell) “Centre for Prevention of Stroke and Dementia”: £3.5 million

June 2009, Alzheimer's Research Trust, Pilot Project Grant (co-PI, with C. Mackay, G. Wilcock, K. Ebmeier, C. Beckmann) "Evaluation of dementia-specific signatures of resting networks in the brain": £29980

February 2009, Sir Halley Stewart Trust (PI): “Imaging in dementia – the establishment of functional magnetic resonance imaging procedures for Alzheimer’s Disease”: £60,000

November 2008, International projects Grant Fondazione Cassa di Risparmio, Italy, (co-PI, with P Nichelli): “The neuroanatomical correlates of changes in political attitudes and behaviours in dementia”: €50,000

PI activity

From October 2024: Principal Investigator (PI) for UNIMORE in the sponsored study *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).*

From October 2024: PI for AOU Modena in the sponsored study *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.*

From November 2023: PI for AOU Modena in the profit study *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*

From December 2022: Scientific Coordinator for UNIMORE of Spoke 1 ‘Clinical Translation & Innovation’ in the FIT4MEDROB Project *Fit for Medical Robotics: A new generation of biorobotic and digital technologies for a sustainable welfare* (PI for UNIMORE: Rita Cucchiara). This is one of the four projects approved under the PNRR call dedicated to health technologies, specifically focusing on biorobotics, rehabilitation robotics, and digital technologies. The project aims to integrate robotics and artificial intelligence research into the daily operations of the Italian healthcare system.

From September 2022: PI for the non-profit study *UnaWireD – Anosognosia and delusions in neurodegenerative diseases* funded by the ERC Starting Grant (Supervision of 2 research fellows, 1 PhD student, 1 project manager).

From October 2020: PI for UniMoRE of the sponsored study *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*

2018-2022: PI of the non-profit study *Physiopathology, predicting factors of conversion and cognitive-behavioural phenotype of patients with mild cognitive impairment* funded by a grant “Dipartimenti di eccellenza 2018-2022”, MIUR, Italy, to the Department of Biomedical, Metabolic and Neural Sciences, UniMoRe. Lead of a team involving 4 neurologists, 2 neuroradiologists, 3 PhD students, 3 epidemiologists, 2 physicists.

2018-2019: PI for UniMoRE site of the sponsored study *Amaranth study, a randomised double-blinded multicentre study for lanabecestat in prodromal AD e mild AD* (D5010C00009)

2016-2019: co-PI of the non-profit study *Early onset dementia in Modena: study of epidemiology and clinical features* aimed to establish the epidemiology and needs of EOD patients and their families in a population of 700.000 inhabitants in North Italy (Modena province), funded by AIRAIZ & COOP Italia

2016-2017: PI of the non-profit study *Disruption of functional connectivity within the default mode network relates to anosognosia in Alzheimer's disease* funded by the Department of Biomedical Sciences and Neurosciences, University of Modena and Reggio Emilia (UniMoRe).

2014-2015: Clinical Lead for Oxford for the *Deep and Frequent Phenotyping Feasibility Study* (multicentre NIHR/MRC funded study led by Simon Lovestone, using UK Dementia Platform)

2013-2015: Imaging Lead for the *The Oxford vascular Study* lead by Peter Rothwell, NDCN, Oxford University. Responsible for protocols set-up, quality control, and analysis of neuroimaging data from a population of 2000 patients with vascular cognitive impairment. Supervisor of 1 Postdoctoral Analysis Research Assistant, 2 Research Nurses, 3 visiting scientists, 2 PhD students.

2008-2013: Responsible for the neuroimaging programme of the Oxford Project to Investigate Memory and Ageing (OPTIMA) in collaboration with the Centre for Functional MRI of the Brain (FMRIB). Principal investigator of a study entitled *Functional and structural MRI as biomarker of Alzheimer's disease*. Supervisor of 1 Research Assistant, 1 Research Nurse and 2 visiting scientists.

Other responsibilities

Patients & Public engagement activities:

Presentations and talks: Over 12 years, 8 invited lectures at national and international neurology conferences and congresses, 16 seminars or invited talks at international institutions, 39 abstracts as first or senior author at international conferences.

Teaching: Neurology Course (50 hours) for Medicine Degree (MBBS) and Neuropsychology course (40 hours) for Physiotherapy and Logotherapy degrees, Università di Modena e Reggio Emilia. Regular lecturer for the FMRIB postgraduate course (award-winning) at Oxford University and for the PhD programme in neuroscience (8 hours module) at the Università di Modena e Reggio Emilia.

Over 15 Invited lectures and conference presentations over last 4 years.

Reviewer activity: Associate editor for *Frontiers in Behavioral Neuroscience* and *Journal of Integrative Neuroscience*. Regular *ad hoc* reviewer for *Annals of Neurology*, *Neurology*, *Brain*, *Cerebral Cortex*, *Biological Psychiatry*, *Human Brain Mapping*, *Cortex*, *Journal of Neuroscience*, *Neuroimage*. Grant reviewer for the Medical Research Council (MRC), United Kingdom (2014 & 2015) and for the Alzheimer's Society UK, United Kingdom (2013).

Other: Since October 2022 member of the Scientific Advisory Board of the FACILITATE PROJECT (H2020-IMI-2).

