

Giovanna Zamboni

Curriculum Vitae

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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

Elenco pubblicazioni (articoli più significativi indicati con *)

1. 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
2. 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
3. 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
4. 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
5. *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.
6. *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
7. 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.
8. 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
9. *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
10. 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
11. 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.
12. Chiari, Pistoiesi, Galli, Tondelli, Vinceti, Molinari, Addabbo, **Zamboni**. Determinants of Caregiver Burden in Early-Onset Dementia. *Dementia and geriatric cognitive disorders Extra*. 2021
13. Sundaresan, **Zamboni**, Dinsdale, Rothwell, Griffanti, Jenkinson. Comparison of domain adaptation techniques for white matter hyperintensity segmentation in brain MR images. *Medical Image Analysis* 2021
14. *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
15. *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
16. Sundaresan, **Zamboni**, Rothwell, Jenkinson, Griffanti. Triplanar ensemble U-Net model for white matter hyperintensities segmentation on MR images. *Medical Image Analysis* 2021
17. 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
18. Overman, **Zamboni**, Butler, Ahmed. Splenial white matter integrity is associated with memory impairments in posterior cortical atrophy. *Brain Communications* 2021
19. 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

20. 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
21. Torso, Bozzali, **Zamboni**, Jenkinson, Chance. Detection of Alzheimer's Disease using cortical Diffusion Tensor Imaging. *Human Brain Mapping* 2020
22. Torso, Ahmed, Butler, **Zamboni**, Jenkinson, Chance. Cortical diffusivity investigation in posterior cortical atrophy and typical Alzheimer's disease. *Journal of Neurology* 2020
23. 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
24. ***Zamboni**, Griffanti, Mazzucco, Pendlebury, Rothwell. Age-dependent association between white matter abnormality on brain imaging and cognition after TIA and minor stroke. *Neurology* 2019
25. 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
26. 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
27. Veldsman, **Zamboni**, Butler, Ahmed. Attention network dysfunction underlies memory impairment in Posterior Cortical Atrophy. *NeuroImage Clinical* 2019
28. 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
29. 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
30. Ahmed, Loane, Bartels, **Zamboni**, Mackay, Baker, Husain, Thompson, Hornberger, Butler. Lateral parietal contributions to memory impairment in posterior cortical atrophy. *Neuroimage Clinical* 2018
31. 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
32. *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
33. Teoh, Hofer, Kerr, Warner, Kuker, Rothwell, **Zamboni**. Disseminated leptomeningeal tumour mimicking a subarachnoid haemorrhage. *The Neuroradiology Journal* 2018
34. 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
35. O'Donoghue, Murphy, **Zamboni**, Nobre, Mackay. APOE genotype and cognition in healthy individuals at-risk of Alzheimer's disease: a review. *Cortex* 2018
36. 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
37. 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
38. 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
39. 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

40. 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
41. ***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
42. 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
43. *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
44. 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.
45. Tocilizumab-associated multifocal cerebral thrombotic microangiopathy. Jewell, Ansorge, Kuker, Irani, **Zamboni**. *Neurology: Clinical Practice* 2016
46. *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
47. Griffanti, Rolinski, Szewczyk-Krolkowski, 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
48. Bonifacio & **Zamboni** . Brain imaging in dementia. *BMJ Postgraduate Medical Journal* 2016
49. Rolinski, Griffanti, Szewczyk-Krolkowski, Menke, Wilcock, Filippini, **Zamboni**, Hu , Mackay. Aberrant functional connectivity within the basal ganglia of patients with Parkinson's disease. *NeuroImage: Clinical*. 2015
50. 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.
51. Benuzzi, **Zamboni**, Meletti, Serafini, Lui, et al. Recovery from emotion recognition impairment after temporal lobectomy. *Frontiers in Neurology*. 2014 Jun 6;5:92
52. Voets, **Zamboni**, Stokes, Carpenter, Stacey, Adcock. Aberrant functional connectivity in dissociable hippocampal networks is associated with deficits in memory. *Journal of Neuroscience* 2014
53. Szewczyk-Krolkowski, Menke, Rolinski, Duff, Salimi-Khorshidi, Filippini, **Zamboni**, Hu, Mackay. Functional connectivity in the Basal Ganglia network differentiates PD patients from Controls. *Neurology* 2014
54. ***Zamboni**, Wilcock, Doudau, Drazich, Filippini, Brooks, Jenkinson, Smith, Tracey, Mackay. Resting functional connectivity reveals residual functional activity in Alzheimer's disease. *Biological Psychiatry*, 2013
55. Doudau, 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.
56. **Zamboni**, de Jager, Drazich, Doudau, Jenkinson, Smith, Tracey, Wilcock. Structural and functional bases of visuospatial associative memory in older adults. *Neurobiology of aging*. 2013
57. ***Zamboni**, Drazich, McCulloch, Filippini, Mackay, Jenkinson, Tracey, Wilcock. Neuroanatomy of impaired self-awareness in Alzheimer's disease and mild cognitive impairment. *Cortex* 2013.
58. *Tondelli, Wilcock, Nichelli, De Jager, Jenkinson, **Zamboni**. Structural MRI changes detectable up to ten years before clinical Alzheimer's disease. *Neurobiology of aging* 2012.
59. 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
60. 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.
61. 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
62. Pugnaghi, Molinari, Panzetti, Nichelli, **Zamboni**. "My sister's hand is in my bed": a case of somatoparaphrenia. *Neurological sciences* 2012

63. **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
64. **Zamboni** & Wilcock. Lack of awareness of symptoms in people with dementia: the structural and functional basis. *International Journal of Geriatric Psychiatry* 2011
65. 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.
66. 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.
67. Krueger, Barbey, McCabe, Strenziok, **Zamboni**, Solomon, Raymont, Grafman. The neural bases of key competencies of emotional intelligence. *Proceedings of the National Academy of Sciences of the United States of America* 2009.
68. 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.
69. Gozzi, **Zamboni**, Krueger, Grafman. Interest in politics modulates neural activity in the amygdala and ventral striatum. *Hum Brain Mapp.* 2010
70. Huey, Goveia EN, Paviol S, Pardini M, Krueger F, **Zamboni G**, et al. Executive dysfunction in frontotemporal dementia and corticobasal syndrome. *Neurology* 2009
71. **Zamboni**, Gozzi, Krueger, Duhamel, Sirigu, Grafman. Individualism, conservatism, and radicalism as criteria for processing political beliefs: A parametric fMRI study. *Soc Neurosci.* 2009
72. ***Zamboni G**, Huey ED, Krueger F, Nichelli PF, Grafman J. Apathy and disinhibition in frontotemporal dementia: Insights into their neural correlates. *Neurology* 2008
73. Knutson, **Zamboni**, Tierney, Grafman. Neural Correlates of Caregiver Burden in Cortical Basal Syndrome and Frontotemporal Dementia. *Dement Geriatr Cogn Disord.* 2008
74. **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
75. 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

76. **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>
77. 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
78. 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.

Lecture su invito

Latozinemab Mechanism & Data from the Phase 2 Study. *Alector INFRONT-3 (AL001-3) 2023 Investigators' Meeting*, Barcellona 10 March 2023

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'Università 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. FMRI, 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" (co-applicant con Eugenio Caperchione nel ruolo di PI): "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

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", uno dei 4 progetti approvati recentemente nel 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 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) del Trial *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*

Da gennaio 2019: PI dello studio "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 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

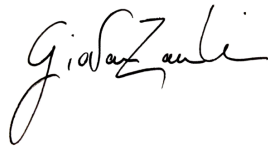
Insegnamento: Neurology Course (50 hours) for Medicine Degree (MBBS) and Neuropsychology course (40 hours) for Physiotherapy and Logotherapy degrees, Università di Modena e Reggio Emilia. Regular lecturer for the FMRIB

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.

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

A handwritten signature in black ink, appearing to read "Giovanni Zamboni". The signature is written in a cursive, flowing style with a large initial 'G'.