

CURRICULUM VITAE

Prof. Emilio Portaccio

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Education and Position

- 2001 Degree in Medicine and Surgery at the University of Florence (110/110 summa cum laude)
- 2007 Post Graduate Neurological Training at the University of Florence (70/70 cum laude)
- 2017 National Scientific Qualification (Abilitazione Scientifica Nazionale - Bando D.D. 1532/2016, Settore Concorsuale 06/D6), validity from 24/07/2018 to 24/07/2027 (art. 16, comma 1, Legge 240/10; art. 5, DL n. 126/2019); Seconda Fascia (PA)
- 2024 National Scientific Qualification (Abilitazione Scientifica Nazionale - Bando D.D. 553/2021 e 589/2021, Settore Concorsuale 06/D6), validity from 06/12/2023 to 06/12/2034 (art. 16, comma 1, Legge 240/10; art. 5, DL n. 126/2019); Prima Fascia (PO)

2008 to 2016 Temporary Researcher at the Department of Neurology – University of Florence
2012 to 2018 Neurologist at the Severe Brain Injury Unit, Fondazione Don Gnocchi, Florence
2018 to 2020 Neurologist at the San Giovanni di Dio Hospital, AUSL Toscana Centro, Florence
2020 to 2021 Neurologist at the Neurological Rehabilitation Unit, AOU Careggi, Florence
2021 to 2024 Researcher at the Department of NEUROFARBA (Grade-b RTB) – University of Florence
March 1, 2024 to present Associate Professor in Neurology, Department of NEUROFARBA – University of Florence

Research activities

The research activities mainly address the demyelinating diseases of the central nervous system, in particular multiple sclerosis, with particular focus on epidemiology, clinical and neuropsychological features, and immunomodulatory and immunosuppressant treatments.

As for neuropsychological functioning, the research activity is involved in the assessment of prevalence and profile of cognitive dysfunction, its relationships with conventional and quantitative MR measures and in the development of screening batteries, both for adult and childhood-juvenile cases. As for the research in treatment, it deals with adherence to therapy, safety and efficacy of immunosuppressant and immunomodulatory drugs and the identification of responders to interferon beta therapies. Recent research activities also deal with the relationships between pregnancy and breastfeeding with multiple sclerosis disease course and potential maternal and fetal risks after treatment with disease modifying drugs during pregnancy, and with clinical classification of multiple sclerosis.

Research activity is documented by many national and international collaborations, participation at many national and international trials, according to the GCP, congress participations as invited speaker, funding attraction.

List of publications on international peer-reviewed Journals

Masciocchi S, Businaro P, Greco G, Scaranzin S, Malvaso A, Morandi C, Zardini E, Risi M, Vegezzi E, Diamanti L, Bini P, Siquilini S, Giannoccaro MP, Morelli L, Liguori R, Patti F, De Giuli V, **Portaccio E**, Zanetta C, Bergamoni S, Simone AM, Lanzillo R, Bruno G, Gallo A, Biseco A, Di Filippo M, Pauri F, Toriello A, Barone P, Tazza F, Bucello S, Banfi P, Fabris M, Volonghi I, Raciti L, Vigliani MC, Bocci T, Paoletti M, Colombo E, Filippi M, Pichiecchio A, Marchioni E, Franciotta D, Gastaldi M; Neuroimmunology platform study group (PNI). Conformational Antibodies to Proteolipid Protein-1 and Its Peripheral Isoform DM20 in Patients With CNS Autoimmune Demyelinating Disorders. **Neurol Neuroimmunol Neuroinflamm.** 2025 Mar;12(2):e200359. doi: 10.1212/NXI.0000000000200359. Epub 2025 Jan 17. PMID: 39823554.

Betti M, Giubbilei C, D'angelo S, **Portaccio E**, Amato MP, Carrai V. Multiple sclerosis and sickle cell anemia: when two worlds collide. **Neurol Sci.** 2025 Jan 14. doi: 10.1007/s10072-025-07997-z. Epub ahead of print. PMID: 39808347.

De Meo E, **Portaccio E**, Bonacchi R, Giovannoli J, Niccolai C, Amato MP. An update on the treatment and management of cognitive dysfunction in patients with multiple sclerosis. **Expert Rev Neurother.** 2025 Jan 16:1-17. doi: 10.1080/14737175.2025.2450788. Epub ahead of print. PMID: 39801437.

Amato MP, **Portaccio E**. Multiple sclerosis in 2024: evolving evidence and new hopes. **Lancet Neurol.** 2025 Jan;24(1):17-18. doi: 10.1016/S1474-4422(24)00483-6. PMID: 39706621.

Portaccio E. Toward a holistic approach to multiple sclerosis: The role of social determinants of health. **Mult Scler.** 2025 Jan;31(1):6-7. doi: 10.1177/13524585241302684. Epub 2024 Dec 1. PMID: 39618053.

Masciulli C, **Portaccio E**, Goretti B, Niccolai C, Simone M, Viterbo RG, Zaffaroni M, Pippolo L, Cocco E, Fenu G, Carta E, Falautano M, Celico C, Pardini M, Mancardi GL, Guerrini R, Melani F, Giovannelli F, Rocca M, Iaffaldano P, Tacchino A, Zaratin P, Filippi M, Amato MP. Home-based, computer-assisted cognitive rehabilitation for attention in pediatric onset multiple sclerosis: a randomized, multicenter pilot study. **Neurol Sci.** 2024 Nov 25. doi: 10.1007/s10072-024-07886-x. Epub ahead of print. PMID: 39581901.

Martin S, Kihlbom U, Pasquini G, Gerli F, Niccolai C, Della Bella S, **Portaccio E**, Betti M, Amato MP, Achiron A, Kalron A, Aloni R, Schölin Bywall K. Preferences and attitudes regarding early intervention in multiple sclerosis: A systematic literature review. **Mult Scler Relat Disord.** 2024 Dec;92:106143. doi: 10.1016/j.msard.2024.106143. Epub 2024 Oct 28. PMID: 39489082.

Portaccio E, Magyari M, Havrdova EK, Ruet A, Brochet B, Scalfari A, Di Filippo M, Tur C, Montalban X, Amato MP. Multiple sclerosis: emerging epidemiological trends and redefining the clinical course. **Lancet Reg Health Eur.** 2024 Aug 22;44:100977. doi: 10.1016/j.lanep.2024.100977. PMID: 39444703; PMCID: PMC11496978.

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Simone M, Lucisano G, Guerra T, Paolicelli D, Rocca MA, Brescia Morra V, Patti F, Annovazzi P, Gasperini C, De Luca G, Ferraro D, Margari L, Granella F, Pozzilli C, Romano S, Perini P, Bergamaschi R, Coniglio MG, Lus G, Vianello M, Lugaesi A, **Portaccio E**, Filippi M, Amato MP, Iaffaldano P; Italian Multiple Sclerosis Register. Disability trajectories by progression independent of relapse activity status differ in pediatric, adult and late-onset multiple sclerosis. **J Neurol.** 2024 Oct;271(10):6782-6790. doi: 10.1007/s00415-024-12638-0. Epub 2024 Aug 23. PMID: 39179712; PMCID: PMC11447039.

Carotenuto A, Di Monaco C, Papetti L, Borriello G, Signoriello E, Masciulli C, Tomassini V, De Luca G, Ianniello A, Lus G, Novarella F, Spiezia AL, Di Somma D, Moccia M, Petracca M, Iacovazzo C, Servillo G, **Portaccio E**, Triassi M, Amato MP, Pozzilli C, Valeriani M, Brescia Morra V, Lanzillo R. Pediatric-onset Multiple Sclerosis treatment: a multicentre observational study comparing natalizumab with fingolimod. **J Neurol.** 2024 Oct;271(10):6773-6781. doi: 10.1007/s00415-024-12610-y. Epub 2024 Aug 23. PMID: 39177751; PMCID: PMC11446972.

Iaffaldano P, Lucisano G, Guerra T, Paolicelli D, **Portaccio E**, Inglese M, Foschi M, Patti F, Granella F, Romano S, Cavalla P, De Luca G, Gallo P, Bellantonio P, Gallo A, Montepietra S, Di Sapio A, Vianello M, Quatralo R, Spitaleri D, Clerici R, Torri Clerici V, Cocco E, Brescia Morra V, Marfia GA, Boccia VD, Filippi M, Amato MP, Trojano M; Italian MS Register. A comparison of natalizumab and ocrelizumab on disease progression in multiple sclerosis. **Ann Clin Transl Neurol.** 2024 Aug;11(8):2008-2015. doi: 10.1002/acn3.52118. Epub 2024 Jul 5. PMID: 38970214; PMCID: PMC11330227.

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Mallucci G, Ferraro OE, Trojano M, Amato MP, Scalfari A, Zaffaroni M, Colombo E, Rigoni E, Iaffaldano P, **Portaccio E**, Saraceno L, Paolicelli D, Razzolini L, Montomoli C, Bergamaschi R. Early prediction of unfavorable evolution after a first clinical episode suggestive of multiple sclerosis: the EUMUS score. **J Neurol**. 2024 Jun;271(6):3496-3505. doi: 10.1007/s00415-024-12304-5. Epub 2024 Mar 26. PMID: 38532143.

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Amato MP, Bergamaschi R, Centonze D, Mirabella M, Marfia GA, Totaro R, Lus G, Brescia Morra V, Aguglia U, Comi C, Cavalla P, Zaffaroni M, Rovaris M, Grimaldi LM, Leoni S, Malucchi S, Baldi E, Romano M, Falcini M, Perini P, Assetta M, **Portaccio E**, Sommacal S, Olivieri N, Parodi F, Todaro DS, Grassivaro N, Farina A, Mondino MM, Filippi M, Trojano M. Effectiveness of teriflunomide on

No Evidence of Disease Activity and cognition in relapsing remitting multiple sclerosis: results of the NEDA3PLUS study. **J Neurol.** 2023 Jul 5.

Amato MP, **Portaccio E.** A first step towards preventive medicine in multiple sclerosis. **Nat Rev Neurol.** 2023 Jan 5.

Bellinvia A, **Portaccio E,** Amato MP. Current advances in the pharmacological prevention and management of cognitive dysfunction in multiple sclerosis. **Expert Opin Pharmacother.** 2023 Jan 1:1-17.

De Meo E, **Portaccio E.** It is time to define cognitive phenotypes in multiple sclerosis. **Mult Scler.** 2022 Dec 14

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Portaccio E, Amato MP. Reliable change indices for cognitive assessment of patients with multiple sclerosis. **Mult Scler.** 2022 Sep 1:13524585221116273.

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Florence, 20/02/2025

A handwritten signature in blue ink, appearing to be 'E. Portaccio', written in a cursive style.