

Curriculum Vitae

Prof. Massimiliano Di Filippo

PERSONAL INFORMATION



📍 Current working address: Section of Neurology, Department of Medicine and Surgery, University of Perugia, S Maria della Misericordia Hospital, Loc. S Andrea delle Fratte, 06156, Perugia, Italy

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Date and place of birth: 15th January 1980, Perugia - Citizenship: Italian

Foreign languages: excellent knowledge of written and spoken English and good knowledge of written French.

Computer skills. Excellent knowledge of Word, Excel, PowerPoint, Internet and e-mail and the statistical analysis program STATA.

Researcher unique identifier(s):

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RESEARCH ID: K-8070-2016

EDUCATION

- 2004** **Medical Degree (MD)** cum Laude
Medicine and Surgery/University of Perugia, Italy
- 2009** **Post-graduate Degree in Neurology** cum Laude
Specialization School of Neurology/University of Perugia, Italy
- 2012** **Neuroscience PhD**
University of Perugia, Italy

CURRENT POSITION (S)

- 2018 –present **Associate Professor of Neurology**
Department of Medicine and Surgery/University of Perugia, Italy
- 2017 – present **Co-responsible of the Demyelinating Disease (Multiple Sclerosis) Centre**
S. Maria della Misericordia Hospital, Perugia, Italy
- 2022 – present **Deputy Director of the Section of Neurology**, University of Perugia, Perugia, Italy
- 2023 – present **Deputy Director of the Post-Graduate School of Neurology**, University of Perugia, Perugia, Italy

PREVIOUS POSITIONS

- 2011 – 2017 **Assistant Professor of Neurology**
Department of Medicine and Surgery/University of Perugia, Italy

FELLOWSHIPS, AWARDS AND HONORS

2007 – 2008	Visiting Research Fellow at the Department of Neuroinflammation , UCL, London, UK (Supervisor: Prof . David Miller).
2008	Visiting Fellow at the Institute of Cell and Molecular Science, Queen Mary University London, UK (Supervisor: Prof. David Baker).
2018	Awarded with the “ Rita Levi Montalcini ” Prize for Multiple Sclerosis research by the Italian Multiple Sclerosis Foundation .
2018	National scientific qualification as Full Professor in Neurology .
2023	Included among the “Best Scientists in Neuroscience” in the website Research.com (https://research.com/u/massimiliano-di-filippo)

DESCRIPTION OF SCIENTIFIC ACTIVITY

Preclinical research activity. Study, through electrophysiological techniques, of the synaptic mechanisms underlying long-term memories, forgetting and brain plasticity in experimental models of neurological diseases, with particular regard to the study of autoimmune diseases of the central nervous system and neuroimmunology. The performed research has contributed to define the mechanisms of synaptic dysfunction underlying the alteration of complex neuronal network dynamics in experimental models of neuroinflammation.

Clinical activity and research. Cerebrospinal fluid and blood biomarkers as diagnostic and prognostic tools in autoimmune CNS diseases, with particular regard to multiple sclerosis.

FIELDS OF INTEREST

- Multiple sclerosis (MS) and neuroimmunology
- Role of the immune system in the control of neuronal/synaptic function and plasticity
- Cerebrospinal fluid biomarkers in MS
- Synaptic bases of memory, cognition and behaviour

INSTITUTIONAL RESPONSIBILITIES

2017	Member of the institutional board responsible of the preparation of regional multiple sclerosis guidelines for the diagnosis and treatment of MS (“Percorso Diagnostico Terapeutico Assistenziale Regionale per la Sclerosi Multipla”) for the Umbria Region .
2018 – 2023	Member of the Biomedical Research Scientific Committee of the Italian Multiple Sclerosis Foundation .
2018 – present	Part of the REPRISE register of the scientific experts of the MIUR (Italian Ministry of Instruction, University and Research).
2020 – present	Member of the ethical committee for animal research (OPBA) at the University of Perugia
2021 – present	Coordinator of the “Health” Cluster for the University of Perugia
2022 – present	Invited member of the Italian Medicine Academy in the field of Neurology

TEACHING ACTIVITIES

2013 – present	Member of the Teaching Board of the Clinical and Molecular Medicine PhD Program , University of Perugia, Perugia, Italy.
2015 – present	Teaching of “Neurology”, “Neurosurgery” and “Neuroradiology” in the course of Neurology, Degree Course of Medicine and Surgery, University of Perugia, Italy.
2015 – present	Teaching of “Neuro-immunology” in the post-graduate School of Neurology, University of Perugia, Italy.
2013 – 2016	Teaching of “Physiological bases of nervous system function” in the post-graduate School of Neurology, University of Perugia, Italy.
2016 – 2021	Teaching of “Management of Stroke and other neurological emergencies” in the post-graduate School of Neurology, University of Perugia, Italy.

2020 – 2021	Teaching of “Demyelinating Diseases” in the post-graduate School of Neurology, University of Perugia, Italy.
2020 – 2021	Teaching of “Neurology” in the post-graduate School of Rheumatology, University of Perugia, Italy.
2020 – present	Teaching of “Rehabilitative sciences in neurology” in the course of Rehabilitative Sciences”

SUPERVISION/MENTORSHIP OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

2012 – present	Supervisor of more than 50 among Medical Students for the Thesis in Medicine and Surgery , School of Medicine, University of Perugia, Perugia, Italy, post-graduate Students of the Specialization School of Neurology , University of Perugia, Perugia, Italy and PhD Students, International Clinical and Molecular Medicine PhD Program, Neuroscience curriculum University of Perugia, Perugia, Italy.
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EDITORIAL ACTIVITY

2012 – 2014	Editorial Board member for the journal “ ISRN Neuroscience ”.
2014 – 2017	Editorial Board member for the journal “ Behavioural Neurology ”.
2020 -present	Topic Editor for the journal “ International Journal of Molecular Sciences ”.
2020 -2021	Guest Editor for the journal “ Biomolecules ”, research topic “ Molecular Events in Neurodegenerative and Neuroinflammatory Diseases in Italy: Implications for Treatments ”
2020 -2021	Guest Editor for the journal “ Frontiers in Neurology ”, research topic “ Cognition in multiple sclerosis ”.
2020 – present	Review Editor for the journal “ Frontiers in Neurology (Section Multiple Sclerosis and Neuroimmunology) ”
2020 – present	Review Editor for the journal “ Frontiers in Molecular Neuroscience ”.
2023 –	Guest Editor for the journal “ International Journal of Molecular Sciences ”, Special Issue “ Recent Progress and Perspectives in Multiple Sclerosis ”

REVIEWING ACTIVITIES

2010 – present	Serves/served as “ad hoc” reviewer for more than 45 International indexed peer-reviewed international in the field of neurology, multiple sclerosis, neuroscience, neuroimmunology
2011	Reviewer activity for the evaluation of projects for the University of Milan , Italy
2014 – present	Reviewer activity for the Italian Multiple Sclerosis Foundation, Italy
2018 - present	Reviewer activity for the evaluation of PhD theses for the University of Parma, Genova, Firenze, Tor Vergata, Siena, Piemonte Orientale, Pavia, Campania Luigi Vanvitelli .
2021	Reviewer activity for the evaluation of projects for the University of Florence/Cassa di Risparmio di Firenze
2023	Reviewer activity for the evaluation of projects for the German Research Foundation (Deutsche Forschungsgemeinschaft)

MEMBERSHIPS OF SCIENTIFIC SOCIETIES/RESEARCH GROUPS

2006 – present	Associated Member, Italian Neurological Society (SIN).
2018 – present	Associated Member, Italian Society of Neuro-Immunology (AINI).
2021 – present	Member of the “Immune-psychiatry and immune psychology” study group of the Italian Society of Neuro-Immunology (AINI).
2014 – present	Member of the Research Network “RIREMS (Raising Italian Researchers in Multiple Sclerosis)” , a multi-center research group on multiple sclerosis.

INTERNATIONAL COLLABORATIONS

Co-author of published scientific manuscripts deriving from International collaborations with **Scientists** such as **Professor Paul Greengard** (The Rockefeller University, New York, U.S., former Nobel Prize in Physiology or Medicine), **Professor David Baker** (Queen Mary University of London, UK) and **Professor James Bibb** (The University of Texas Southwestern Medical Center, Dallas, Texas, U.S.).

SHORT DESCRIPTION OF SCIENTIFIC TRACK RECORD

Author/co-author of **133 publications** in **International Peer-Reviewed Journals** and **3 book chapters** (2 International, 2 Italian) , **including** (but not limited to) Journals such as **Lancet Neurology, Nature, Nature Neuroscience, Nature Neuroscience Reviews, Neuron, Brain, Proc Natl Acad Sci U S A, Neurology, J Neurology Neurosurgery and Psychiatry, Biological Psychiatry, Trends Neuroscience, Trends Pharmacological Sciences and Cell Reports.**

INVITED LECTURES and CONGRESSES

Participated as **invited speaker** to **12 International events/congresses** in Italy and abroad (among these Croatia, Denmark, Ecuador, Greece, UK) and **more than 90 National events/congresses in Italy** in the **field of multiple sclerosis, neuroimmunology, synaptic transmission and plasticity.** Moderator in more than 15 events/congresses.

BIBLIOMETRIC INDICATORS

6540 citations, with an **h-index of 41** (January 2024, calculated on Scopus)

PUBLICATIONS ON INTERNATIONAL PEER-REVIEWED JOURNALS

1. Hegen H, Berek K, Cavalla P, Christiansen M, Emeršič A, **Di Filippo M**, Gaetani L, Hassler M, Leurs C, Milosavljevic D, van Pesch V, Petersen T, Presslauer S, Rosenstein I, Rot U, Schnabl C, Teunissen C, Vecchio D, Vercellino M, Deisenhammer F. Diagnostic value of kappa free light chain index in patients with primary progressive multiple sclerosis - a multicentre study. *Front Immunol.* 2023 Dec 19;14:1327947.
2. **Di Filippo M**, Ferraro D, Ragonese P, Prosperini L, Maniscalco GT, Gallo A, Cavalla P, Loreface L, Nociti V, Di Sabatino E, Clerico M, Guaschino C, Radaelli M, Fantozzi R, Buttari F, Laroni A, Gajofatto A, Calabrese M, Malucchi S, Paolicelli D, De Luca G, Tomassini V, Lanzillo R, Moccia M, Solaro C, Cocco E, Gasperini C, Tortorella C; RIREMS (Rising Researchers in MS) group. SARS-CoV-2 vaccination and multiple sclerosis: a large multicentric study on relapse risk after the third booster dose. *J Neurol.* 2023 Nov 3.
3. Carbone L, Landi D, Di Girolamo R, Anserini P, Centonze D, Marfia GA, Alviggi C; Interdisciplinary Group for Fertility in Multiple Sclerosis (IGFMS). (**Di Filippo M** as Collaborator member of the IGFMS). Optimizing the "Time to pregnancy" in women with multiple sclerosis: the OPTIMUS Delphi survey. *Front Neurol.* 2023 Oct 6;14:1255496.:
4. Altieri M, Capuano R, Bisecco A, d'Ambrosio A, Risi M, Cavalla P, Vercellino M, Annovazzi P, Zaffaroni M, De Stefano N, Stromillo ML, D'Amico E, Zanghì A, Buscarinu MC, Lanzillo R, De Luca G, Calabrese M, Loreface L, **Di Filippo M**, Valentino P, Gajofatto A, Marfia GA, Fuiani A, Nociti V, Tedeschi G, Gallo A. Quality of care provided by Multiple Sclerosis Centers during Covid-19 pandemic: Results of an Italian multicenter patient-centered survey. *Mult Scler Relat Disord.* 2023 Sep;77:104870.
5. Bellingacci L, Canonichesi J, Mancini A, Parnetti L, **Di Filippo M**. Cytokines, synaptic plasticity and network dynamics: a matter of balance. *Neural Regen Res.* 2023 Dec;18(12):2569-2572.
6. Errico F, Gilio L, Mancini A, Nuzzo T, Bassi MS, Bellingacci L, Buttari F, Dolcetti E, Bruno A, Galifi G, Furlan R, Finardi A, Di Maio A, **Di Filippo M**, Centonze D, Usiello A. Cerebrospinal fluid, brain, and spinal cord levels of L-aspartate signal excitatory neurotransmission abnormalities in multiple

- sclerosis patients and experimental autoimmune encephalomyelitis mouse model. *J Neurochem*. 2023 Aug;166(3):534-546.
7. Paolini Paoletti F, Gaetani L, Bellomo G, Chipi E, Salvadori N, Montanucci C, Mancini A, Filidei M, Nigro P, Simoni S, Tambasco N, **Di Filippo M**, Parnetti L. CSF neurochemical profile and cognitive changes in Parkinson's disease with mild cognitive impairment. *NPJ Parkinsons Dis*. 2023 Apr 24;9(1):68.
 8. Mancini A, Stoops E, Demeyer L, Bellomo G, Paolini Paoletti F, Gaetani L, **Di Filippo M**, Parnetti L. LRRK2 Quantification in Cerebrospinal Fluid of Patients with Parkinson's Disease and Atypical Parkinsonian Syndromes. *Mov Disord*. 2023 Feb 18. doi: 10.1002/mds.29336. Epub ahead of print. PMID: 36808643.
 9. Menculini G, Mancini A, Gaetani L, Bellingacci L, Tortorella A, Parnetti L, **Di Filippo M**. Psychiatric symptoms in multiple sclerosis: a biological perspective on synaptic and network dysfunction. *J Neurol Neurosurg Psychiatry*. 2023 Jan 18:jnnp-2022-329806.
 10. Bellingacci L, Tallarico M, Mancini A, Megaro A, De Caro C, Citraro R, De Sarro G, Tozzi A, **Di Filippo M**, Sciacaluga M, Russo E, Leo A, Costa C. Non-competitive AMPA glutamate receptors antagonism by perampanel as a strategy to counteract hippocampal hyperexcitability and cognitive deficits in cerebral amyloidosis. *Neuropharmacology*. 2022 Dec 8:109373.
 11. Menculini G, Gentili L, Gaetani L, Mancini A, Sperandei S, Di Sabatino E, Chipi E, Salvadori N, Tortorella A, Parnetti L, **Di Filippo M**. Clinical correlates of state and trait anxiety in multiple sclerosis. *Mult Scler Relat Disord*. 2022 Nov 24;69:104431.
 12. Gastaldi M, Foadelli T, Greco G, Scaranzin S, Rigoni E, Masciocchi S, Ferrari S, Mancinelli C, Brambilla L, Mancardi M, Giacomini T, Ferraro D, Della Corte M, Gallo A, **Di Filippo M**, Benedetti L, Novi G, Versino M, Banfi P, Iorio R, Moiola L, Turco E, Sartori S, Nosadini M, Ruggieri M, Savasta S, Colombo E, Ballante E, Jarius S, Mariotto S, Franciotta D; NINA study group. Prognostic relevance of quantitative and longitudinal MOG antibody testing in patients with MOGAD: a multicentre retrospective study. *J Neurol Neurosurg Psychiatry*. 2022 Dec 2:jnnp-2022-330237.
 13. Perriello VM, Falini L, Ruggeri L, Innocente A, Ballanti S, Costa C, **Di Filippo M**, Gargaro M, Fallarino F, Falini B. CAR T cell-driven cerebrospinal fluid cytokine storm with confounding neurological picture in chemorefractory primary cardiac lymphoma. *Am J Hematol*. 2022 Nov 8. doi: 10.1002/ajh.26777. Epub ahead of print. PMID: 36346356.
 14. **Di Filippo M**, Mancini A. Rethinking the MS brain: Synaptic loss and computational modelling of brain networks. *Mult Scler*. 2022 Nov;28(13):1999-2000. doi: 10.1177/13524585221124307. PMID: 36250263
 15. Landi D, Bovis F, Grimaldi A, Annovazzi PO, Bertolotto A, Bianchi A, Borriello G, Brescia Morra V, Bucello S, Buscarinu MC, Caleri F, Capobianco M, Capra R, Cellerino M, Centonze D, Cerqua R, Chisari CG, Clerico M, Cocco E, Cola G, Cordioli C, Curti E, d'Ambrosio A, D'Amico E, De Luca G, **Di Filippo M**, Di Lemme S, Fantozzi R, Ferraro D, Ferraro E, Gallo A, Gasperini C, Granella F, Inglese M, Lanzillo R, Lorefice L, Lus G, Malucchi S, Margoni M, Mataluni G, Mirabella M, Moiola L, Nicoletti CG, Nociti V, Patti F, Pinardi F, Portaccio E, Pozzilli C, Ragonese P, Rasia S, Salemi G, Signoriello E, Vitetta F, Totaro R, Sormani MP, Amato MP, Marfia GA. Exposure to natalizumab throughout pregnancy: effectiveness and safety in an Italian cohort of women with multiple sclerosis. *J Neurol Neurosurg Psychiatry*. 2022 Sep 30:jnnp-2022-329657.

16. Gentili L, Capuano R, Gaetani L, Fiacca A, Bisecco A, d'Ambrosio A, Mancini A, Guercini G, Tedeschi G, Parnetti L, Gallo A, **Di Filippo M**. Post-contrast MRI in multiple sclerosis: Towards a judicious use of gadolinium-based contrast agents. *J Neurol Sci*. 2022 Nov 15;442:120422.
17. **Di Filippo M**, Gaetani L. SARS-CoV-2 vaccines tolerability: A perspective by people with multiple sclerosis. *Lancet Reg Health Eur*. 2022 Nov;22:100512.
18. Gentili L, Capuano R, Gaetani L, Fiacca A, Bisecco A, d'Ambrosio A, Mancini A, Guercini G, Tedeschi G, Parnetti L, Gallo A, **Di Filippo M**. Impact of post-contrast MRI in the definition of active multiple sclerosis. *J Neurol Sci*. 2022 Jul 8;440:120338.
19. Schiavetti I, Cordioli C, Stromillo ML, Teresa Ferrò M, Laroni A, Cocco E, Cola G, Pasquali L, Rilla MT, Signoriello E, Iodice R, Di Sapio A, Lanzillo R, Caleri F, Annovazzi P, Conte A, Liberatore G, Ruscica F, Docimo R, Bonavita S, Ulivelli M, Cavalla P, Patti F, Ferraro D, Clerico M, Immovilli P, **Di Filippo M**, Salvetti M, Sormani MP. Breakthrough SARS-CoV-2 infections in MS patients on disease-modifying therapies. *Mult Scler*. 2022 Jun 23:13524585221102918.
20. Natali P, Bedin R, Bernardi G, Corsini E, Cocco E, Schirru L, Crespi I, Lamonaca M, Sala A, Nicolò C, **Di Filippo M**, Villa A, Nociti V, De Michele T, Cavalla P, Caropreso P, Vitetta F, Cucinelli MR, Gastaldi M, Trenti T, Sola P, Ferraro D, On Behalf Of Rirems Rising Researchers In Ms. Inter-Laboratory Concordance of Cerebrospinal Fluid and Serum Kappa Free Light Chain Measurements. *Biomolecules*. 2022 May 7;12(5):677.
21. Giovannetti AM, Pakenham KI, Presti G, Quartuccio ME, Confalonieri P, Bergamaschi R, Grobberio M, **Di Filippo M**, Micheli M, Bricchetto G, Patti F, Copetti M, Kruger P, Solari A. A group resilience training program for people with multiple sclerosis: Study protocol of a multi-centre cluster-randomized controlled trial (multi-READY for MS). *PLoS One*. 2022 May 2;17(5):e0267245
22. Buonomo AR, Viceconte G, Calabrese M, De Luca G, Tomassini V, Cavalla P, Maniscalco GT, Ferraro D, Nociti V, Radaelli M, Buscarinu MC, Paolicelli D, Gajofatto A, Annovazzi P, Pinardi F, **Di Filippo M**, Cordioli C, Zappulo E, Scotto R, Gentile I, Spiezia A, Petruzzo M, De Angeli M, Brescia Morra V, Solaro C, Gasperini C, Cocco E, Moccia M, Lanzillo R; Raising Italian Researchers in Multiple Sclerosis (RIREMS) study group. Management of hepatitis B virus prophylaxis in patients treated with disease-modifying therapies for multiple sclerosis: a multicentric Italian retrospective study. *J Neurol*. 2022 Feb 14.
23. **Di Filippo M**, Mancini A, Bellingacci L, Gaetani L, Mazzocchetti P, Zelante T, La Barbera L, De Luca A, Tantucci M, Tozzi A, Durante V, Sciacaluga M, Megaro A, Chiasserini D, Salvadori N, Lisetti V, Portaccio E, Costa C, Sarchielli P, Amato MP, Parnetti L, Viscomi MT, Romani L, Calabresi P. Interleukin-17 affects synaptic plasticity and cognition in an experimental model of multiple sclerosis. *Cell Rep*. 2021 Dec 7;37(10):110094
24. Romozzi M, Bellavia S, Caldarola G, De Simone C, Luigetti M, Calabresi P, **Di Filippo M**, Masullo C, Lucchini M. Ixekizumab exposure associated with myelitis: A case report and a literature review. *J Neuroimmunol*. 2021 Sep 29;361:577726.
25. Di Sabatino E, Gaetani L, Sperandei S, Fiacca A, Guercini G, Parnetti L, **Di Filippo M**. The no evidence of disease activity (NEDA) concept in MS: impact of spinal cord MRI. *J Neurol*. 2021 Nov 24.
26. Bellingacci L, Mancini A, Gaetani L, Tozzi A, Parnetti L, **Di Filippo M**. Synaptic Dysfunction in Multiple Sclerosis: A Red Thread from Inflammation to Network Disconnection. *Int J Mol Sci*. 2021 Sep 9;22(18):9753.

27. Cortese R, Carotenuto A, **Di Filippo M**, Lanzillo R. Editorial: Cognition in Multiple Sclerosis. *Front Neurol*. 2021 Aug 30;12:751687
28. **Di Filippo M**, Cordioli C, Malucchi S, Annovazzi P, Cavalla P, Torri Clerici V, Ragonese P, Nociti V, Radaelli M, Laroni A, Buttari F, Lorefice L, Ferraro D, Gajofatto A, Prosperini L, Fantozzi R, Boffa L, Lanzillo R, Moccia M, Clerico M, De Luca G, Tomassini V, Calabrese M, Borrelli A, Paolicelli D, Maniscalco GT, Gazzola P, Gallo A, Solaro C, Cocco E, Gasperini C, Tortorella C; RIREMS (Rising Researchers in MS) group. mRNA COVID-19 vaccines do not increase the short-term risk of clinical relapses in multiple sclerosis. *J Neurol Neurosurg Psychiatry*. 2021 Aug 18;jnnp-2021-327200.
29. Gaetani L, Bellomo G, Parnetti L, Blennow K, Zetterberg H, **Di Filippo M**. Neuroinflammation and Alzheimer's Disease: A Machine Learning Approach to CSF Proteomics. *Cells*. 2021 Jul 29;10(8):1930.
30. Gaetani L, Parnetti L, Calabresi P, **Di Filippo M**. Tracing Neurological Diseases in the Presymptomatic Phase: Insights From Neurofilament Light Chain. *Front Neurosci*. 2021 May 24;15:672954.
31. Menculini G, Chipi E, Paolini Paoletti F, Gaetani L, Nigro P, Simoni S, Mancini A, Tambasco N, **Di Filippo M**, Tortorella A, Parnetti L. Insights into the Pathophysiology of Psychiatric Symptoms in Central Nervous System Disorders: Implications for Early and Differential Diagnosis. *Int J Mol Sci*. 2021 Apr 23;22(9):4440.
32. Mancini A, Ghiglieri V, Parnetti L, Calabresi P, **Di Filippo M**. Neuro-Immune Cross-Talk in the Striatum: From Basal Ganglia Physiology to Circuit Dysfunction. *Front Immunol*. 2021 Apr 19;12:644294.
33. Bucello S, Annovazzi P, Ragonese P, Altieri M, Barcella V, Bergamaschi R, Bianchi A, Borriello G, Buscarinu MC, Callari G, Capobianco M, Capone F, Cavalla P, Cavarretta R, Cortese A, De Luca G, **Di Filippo M**, Dattola V, Fantozzi R, Ferraro E, Filippi MM, Gasperini C, Grimaldi LME, Landi D, Re ML, Mallucci G, Manganotti P, Marfia GA, Mirabella M, Perini P, Pisa M, Realmuto S, Russo M, Tomassini V, Torri-Clerici VLA, Zaffaroni M, Zuliani C, Zywicki S, Filippi M, Prosperini L. Real world experience with teriflunomide in multiple sclerosis: the TER-Italy study. *J Neurol*. 2021 Feb 22. doi: 10.1007/s00415-021-10455-3. Epub ahead of print. PMID: 33616742.
34. Di Gregorio M, Torri Clerici VLA, Fenu G, Gaetani L, Gallo A, Cavalla P, Ragonese P, Annovazzi P, Gajofatto A, Prosperini L, Landi D, Nicoletti CG, Di Carmine C, Totaro R, Nociti V, De Fino C, Ferraro D, Tomassini V, Tortorella C, Righini I, Amato MP, Manni A, Paolicelli D, Iaffaldano P, Lanzillo R, Moccia M, Buttari F, Fantozzi R, Cerqua R, Zagaglia S, Farina D, De Luca G, Buscarinu MC, Pinardi F, Cocco E, Gasperini C, Solaro C, **Di Filippo M**. Defining the course of tumefactive multiple sclerosis: a large retrospective multicentre study. *Eur J Neurol*. 2020 Dec 10. doi: 10.1111/ene.14672.
35. Gaetani L, Paolini Paoletti F, Bellomo G, Mancini A, Simoni S, **Di Filippo M**, Parnetti L. CSF and Blood Biomarkers in Neuroinflammatory and Neurodegenerative Diseases: Implications for Treatment. *Trends Pharmacol Sci*. 2020 Dec;41(12):1023-1037.
36. Mancini A, Mazzocchetti P, Sciacaluga M, Megaro A, Bellingacci L, Beccano-Kelly DA, **Di Filippo M**, Tozzi A, Calabresi P. From Synaptic Dysfunction to Neuroprotective Strategies in Genetic Parkinson's Disease: Lessons From LRRK2. *Front Cell Neurosci*. 2020 Jul 28;14:158.
37. Gaetani L, Salvadori N, Chipi E, Gentili L, Borrelli A, Parnetti L, **Di Filippo M**. Cognitive impairment in multiple sclerosis: lessons from cerebrospinal fluid biomarkers. *Neural Regen Res*. 2021 Jan;16(1):36-42.
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39. Tortorella C, Solaro C, Annovazzi P, Boffa L, Buscarinu MC, Buttari F, Calabrese M, Cavalla P, Cocco E, Cordioli C, De Luca G, **Di Filippo M**, Fantozzi R, Ferraro D, Gajofatto A, Gallo A, Lanzillo R, Laroni A, Fermo SL, Malucchi S, Maniscalco GT, Moccia M, Nociti V, Paolicelli D, Pesci I, Prosperini L, Ragonese P, Tomassini V, Clerici VLAT, Rodegher M, Gherardi M, Gasperini C; RIReMS Group. Informing MS patients on treatment options: a consensus on the process of consent taking. *Neurol Sci*. 2020 Apr 2.
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Perugia, January 4th, 2024

Signed

A handwritten signature in black ink, appearing to read "G. F. P. M. S.", written in a cursive style.