

CURRICULUM VITAE

Francesco Di Lorenzo MD

Nationality: Italian

Date and place of birth: 22/05/1986, Avellino, Italy

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Languages: Italian (mother tongue); English and French (oral and written with proficiency), basics of Spanish

Current Positions (VERY BRIEF SUMMARY)

2024-present Chief Medical Officer of Memory Clinic CDCD (Centro per Disturbi Cognitivi e Demenze) at IRCSS Fondazione Santa Lucia, Rome, Italy

2021-present Post Doc Experimental Neuropsychophysiology Unit at IRCSS Fondazione Santa Lucia

Previous positions

2021-2024 PI at Experimental Neuropsychophysiology Unit at IRCSS Fondazione Santa Lucia

2010-2021 Researcher at Experimental Neuropsychophysiology Unit at IRCSS Fondazione Santa Lucia

2019-2021 Neurology Consultant at Brighton & Sussex Medical School in Haywards Heats Hospital, UK

2018-2021 PhD student at Sussex University, UK

2013-2018 Resident in Neurology at Roma Tor Vergata University

2004-2010 Degree in Medicine at Roma Tor Vergata University

Academic Qualifications

2022 PhD at Sussex University, UK, funded by Alzheimer's Society UK entitled "Mapping connectivity changes across AD progression using Bayesian modelling: the impact of ApoE4"

2021 Qualification to the Role of Associate Professor in Neurology

Medical Qualifications

2019 Registration to General Medical Council

2018 Degree of Neurologist at Università degli Studi di Roma Tor Vergata, Italy on 19th September 2018. Degree score 50/50 cum laude.

2011 Certificate of Qualification to practice medicine and surgery: *Università degli Studi di Roma Tor Vergata, Italy*. This certification required a 6 months rota in several National Hospitals and passing the final National Exam.

2010 Degree in Medicine and Surgery: *Università degli Studi di Roma Tor Vergata, Italy* on 27th October 2010. Degree score 110/110 cum laude. Thesis: The role of dopamine transmission in Alzheimer's disease

2004: Bachelor in Classical/Linguistic High School at "G. Carducci" in Nola with degree score 100/100

Clinical work

I am currently, from the beginning of 2024, the Chief Medical Officer of the Memory Clinic CDCD at Santa Lucia Foundation IRCCS, Rome.

From 2021 at Santa Lucia Foundation IRCCS as clinical researcher with focus on neurodegenerative diseases and post-stroke neurorehabilitation.

From 2019 till 2021 I worked at the Brighton & Sussex Medical School Hospital in both neurological ward and dementia specialist outpatient clinic.

Research Interests & Expertise

I am working as Post-Doc on clinical research projects, focused on the timely diagnosis of Alzheimer's disease and other neurodegenerative diseases, through a multidisciplinary approach including neuropsychological testing, CSF biomarkers investigation, brain imaging study together with a strict follow-up in Santa Lucia Foundation under supervision of prof. Giacomo Koch. Researcher since 2010 in the Non-Invasive Stimulation Unit directed by dr. Giacomo Koch.

I have obtained a PhD at Sussex University with a project which combined neuroimaging techniques and transcranial brain stimulation in people with Alzheimer's disease and healthy subjects.

I actively participate to all the activities of the lab, performing on my own neurophysiological recordings by using Transcranial Magnetic Stimulation (TMS) and Theta Burst Stimulation, transcranial Direct Current Stimulation and TMS/EEG recordings, analyzing personally the data, creating study design and writing scientific papers. I focused my research on the study of cortical plasticity mechanisms in Alzheimer's disease patients and other neurodegenerative diseases such as Parkinson's disease, Progressive Supranuclear Palsy, Dystonia and stroke patients, as well in healthy subjects.

Grants won

2020 – Principal Investigator of the Italian Ministry of Health Grant for Young Researcher 2019 for the project: "Palmitoylethanolamide + Luteolin (PeaLut) to treat cognitive and behavioural symptoms in sporadic FTD patients: a 24 weeks placebo controlled randomized clinical trial" - GR-2019-12370435": 450.000 Euro

2023- Principal Collaborator of Italian Ministry of Health Grant PNRR: M6/C2_CALL 2022: "Development of advanced MRI methods and of tailored signal processing for the quantitative characterization of neurodegenerative diseases through novel biomarkers identification" 1.000.000 Euro

2024- Principal collaborator of Italian Ministry of Health Grant PNRR-MCNT2-2023-12377518: "Novel personalized non invasive combined magnetic and electrical stimulation of the default mode network in mild AD patients (CMES-AD)". 1.000.000 Euro

Institutional and professional memberships

2024- present EAN Brain Health Ambassador

2024-present EAN Guideline Education and Cost-Conscious Healthcare (CoCoCare) Certificate

2024- present member of the Scientific Advisory Groups (SAG) of Neurology of the European Medicine Agency (EMA)

2024-present member of the Evidence Review Team on the role of Mediterranean Diet

2024 – present Coordinator of the Young Scientific Committee of the Italian Society for Dementias (SINdem)

2023- present Member of The Management Group of Dementia Scientific Panel of European Academy of neurology

2023 - present Examiner at the European Board of Neurology examination (European Academy of Neurology & European Union of Medical Specialties –section of Neurology)

2023-present: Member of the Editorial Board of the Early Career Investigation Section of Neurological Sciences

2022- present Member of EAN Scientific Panel on Neurorehabilitation

2022- present Member of EAN Scientific Panel on ALS/FTD

2022- present Member of EAN Scientific Panel on Neuroscience

2022- present Member of EAN Scientific Panel on Palliative care

2022- present Member of EAN Scientific Panel on rare Neurological Diseases

2022 – present member of the Joint panel SIN-SIPC of Palliative Cares in Neurology

2021- present Member of the Scientific Committee of the Brainstorming Research Assembly for Young Neuroscientist

2021-present Member of the Committee of the European Board of Neurology examination (European Academy of Neurology & European Union of Medical Specialties –section of Neurology)

2021-2024 Member of the eLearning sub-Committee of the European Academy of Neurology

2020-2024 Member of the Board of Italian Society for Dementias (SINdem)

2019 – present Registration to the General Medical Council (GMC)

2018 –2023 Coordinator of Young Italian Neurologist Society (SigN)

2018- present Fellow of the European Board of Neurology

2018 - present representative in the European Academy of Neurology (EAN) Ethics and Quality Task Force

2017-2023 Italian delegate to the Scientific Panel of Dementia of the European Academy of Neurology (EAN)

2017-2023 Italian delegate to the National representative Network of Research Fellow Section (RRFS) of European Academy of Neurology (EAN)

2017 – present Member of EAN Scientific Panel on Dementia

2017- present Member of the Resident and Research Fellow Section (RRFS) of European Academy of Neurology (EAN)

2016-2024 Member of the Executive Committee of Young Italian Neurology Society (SigN)

2015-present Member of The Scientific Committee of Italian Society of Neurology/Dementia Section for juniors (SINDEM 4 juniors)

2014-present Member of The Society for Neuroscience (SfN).

2013-present Member of the Italian Society of Neurology (SIN)

2012-present Member of the Italian Society of Neurology/Dementia section (SINDEM)

2013- present Member of The Italian Society of Clinical Neurophysiology (SINC)

2011 Registration “Ordine dei Medici Chirurghi” (Italian equivalent of GMC).

Prizes

05/2019 Prize “Società Italiana di Neurofisiologia Clinica” for Young Researcher 2019 (1.500 Euro)

09/2018 Prix Galien Italy for Clinical and experimental Research 2018 (2.500 Euro)

10/2016 Prize for the best published scientific article at the 47°congress of “Società Italiana di Neurologia”, Venice, Italy (3.000,00 Euro)

10/2016 Prize for the best poster presentation at the 47°congress of “Società Italiana di Neurologia”, Venice, Italy (500,00 Euro)

03/2014 Prize for the best oral contribute at the 30th International Congress of Clinical Neurophysiology, Berlin, Germany (300,00 Euro).

05/2013 Prize for the best poster presentation at the Scientific Congress of “Società Italiana di Neurofisiologia Clinica”, Florence, Italy (350,00 Euro)

02/2011 “Prize Raeli” for the best student in the Academic Year of Medicine Course in 2009-2010 (5.000, 00 Euro)

Travel awards & Bursaries

10/2013 Travel award for Italian Society of Neurology (SIN) 2013 National Conference (300 Euro)

03/2014 30th International Congress of Clinical Neurophysiology, Berlin, Germany (800,00 \$).

10/2014 Travel award for Italian Society of Neurology (SIN) 2014 National Conference (300 Euro)

10/2015 Travel award for Italian Society of Neurology (SIN) 2015 National Conference (300 Euro)

10/2016 Travel award for Italian Society of Neurology (SIN) 2016 National Conference (300 Euro)

10/2017 Travel award for Italian Society of Neurology (SIN) 2017 National Conference (300 Euro)

05/2018 31th International Congress of Clinical Neurophysiology, Washington DC, USA (1000,00 \$).

06/2018 Bursary for the 4th European Academy of Neurology Conference in Lisbon

10/2018 Travel award for Italian Society of Neurology (SIN) 2018 National Conference (300 Euro)

06/2019 Bursary for the 5th European Academy of Neurology Conference in Oslo

10/2019 Travel award for Italian Society of Neurology (SIN) 2017 National Conference (300 Euro)

Invited Lectures

Di Lorenzo F. I modelli di apprendimento della neurologia: tanti settori in pochi anni (Learning models in neurology: many sectors in a few years). 1st National Meeting for Italian residents in Neurology, 24 March 2017, Rome, Italy

Di Lorenzo F. Long-term potentiation-like cortical plasticity is disrupted in Alzheimer's disease patients independently from age of onset. Italian-French Neurology Workshop Under the auspices of the SFN and SIN within the JNLF 2017, 29 March 2017 Toulouse, France

Di Lorenzo F. Latest news from Alzheimer`s Disease research. 2nd National Meeting for Italian residents in Neurology, 13 April 2018, Rome, Italy

Di Lorenzo F. Presentazione e introduzione alle iniziative della European Academy of Neurology 3rd National Meeting for Italian residents in Neurology, 2 March 2019, Rome, Italy

Di Lorenzo F. Non-Invasive Brain Stimulation Tools and Neuromodulation : Exploring the Brain from Physiology to Clinical Applications. Behavioral & Cognitive Neuroscience talks. 4 April 2019, Sussex University, Brighton, UK.

Di Lorenzo F. Advances in non-invasive neuromodulation. 64° National Congress of SINC (Italian Society of Clinical Neurophysiology). 1 June 2019, Rome, Italy.

Di Lorenzo F. Endovascular therapy for acute ischemic stroke: which role for neurologists?" 30 June 2019. 5th EAN Conference, Oslo, Norway.

Di Lorenzo F. Italian Young Neurologists: activities and projects looking to the future in Italy and Europe, 2 July 2019. 5th EAN Conference, Oslo, Norway.

Di Lorenzo F. Presentation of Resident & Research Fellow Section of the EAN. EAN Autumn School. Loutraki, Greece. 18th October 2019.

Di Lorenzo F. A digital journey. Presentazione della rivista online Neuromag della SIN Giovani. Anacapri 29 maggio 2021

Di Lorenzo F. DENTRO LA NEUROLOGIA- VII WORKSHOP DELLA NEUROLOGIA DELLE CURE PRIMARIE "LA MALATTIA DI ALZHEIMER, Napoli 10 December 2021: Use of Transcranial Magnetic Stimulation in AD: clinical perspectives

Di Lorenzo F. Presentation of Resident & Research Fellow Section of the EAN. Regional Teaching Course of the European Academy of Neurology. Nicosia, Cyprus. 13th March 2022.

Di Lorenzo F. Neuromodulazione e malattia di Alzheimer. L' APPROCCIO CLINICO INTEGRATO E LA rTMS IN AMBITO NEUROLOGICO E PSICHIATRICO. Rimini 2 april 2022.

Di Lorenzo F. Digital health e Giovani neurologi. Neurologia digitale 2022: nuove opportunità per la clinica e la ricerca. IRCCS Casa Sollievo della Sofferenza, San Giovanni Rotondo 21 May 2022

Di Lorenzo F. "Beyond bench and bedside: disentangling the concept of translational research" European Academy of Neurology, Wien, 25 June 2022

Di Lorenzo F. "Ipoglicemizzanti orali e trattamento dei sintomi cognitivi, quali evidenze e prospettive future" CONGRESSO SINDEM/AIP LAZIO, Roma 6-7 Ottobre 2023

Di Lorenzo F: "Metabolic causes" in the teaching course on how to identify rare causes of dementia in the real world practice: focus on clinical clues. European Academy of Neurology, Helsinki 1 July 2024

Di Lorenzo F: "Education needs in palliative care and advance care planning of Italian residents in neurology: An online survey" SNO Congress, Roma 8 maggio 2025

Di Lorenzo F: "Il ruolo della neuroinfiammazione nel deterioramento cognitivo" La gestione del Paziente con deterioramento cognitivo: approcci attuali e prospettive future" 10 maggio 2025, Lecce

Conference Organization

2015-current Organization of the Winter Seminar on Dementia and Neurodegenerative Disorders, promoted by the Italian Society of Neurology/Dementia Section (SINDEM)

2017-2023 Organization of National Meeting for Italian Society of Young Neurologists

2021 - 2024 Organization of the Brainstorming Research Assembly for Young Neuroscientist

Teaching activities

2018-2021: assistant professor at Sussex University for the courses of “Neurophysiology” and “Experimental Neuropsychology”

2023 - present: Teacher at “Forma Mentis” Specialization school in Psychotherapy

2023 - present Teacher at Master in “Neurorehabilitation and Aging Brain”, Treccani Academy

2023 - present Teacher at Master in “ High Specialization Neurorehabilitation”, Treccani Academy

2023 – present Adjunct Professor of Neurophysiology at Saint Camillus International University of Health Sciences (UniCamillus), Medicine Faculty

2025-present: Teacher at Scuola di Alta Formazione: “Afasia Primaria progressiva e demenze”, Logos Academy

Publications in Peer-review journals

H-index: 37 (Scopus); Citations: 3188

de Nobile A, Borghi I, De Pasquale P, Berger DJ, Maselli A, **Di Lorenzo F**, Savastano E, Assogna M, Casarotto A, Bibbo D, Conforto S, Lacquaniti F, Koch G, d'Avella A, Russo M. Anticipatory reaching motor behavior characterizes patients within the Alzheimer's disease continuum in a virtual reality environment. *Alzheimers Res Ther.* 2025 Apr 9;17(1):78. doi: 10.1186/s13195-025-01726-6. **Impact Factor = 9**

Cerami C, Boccardi M, Meli C, Panzavolta A, Funghi G, Festari C, Cappa SF, Chatzikostopoulos T, Chicherio C, Clarens F, de Oliveira FF, **Di Lorenzo F**, Filardi M, Ibanez A, Girtler N, Lebouvier T, Logroscino G, Luca A, MacPherson SE, Matias-Guiu JA, Piccoli T, Piguet O, Pomati S, Russo M, Sacco L, Schild AK, Sensi SL, Shirk SD, Sollberger M, Tábuas-Pereira M, Tsolaki M, van den Berg E, Bertoux M, Kumfor F, Van den Stock J, Welsh-Bohmer KA, Dodich A; SIGNATURE initiative. Understanding barriers and optimizing socio-cognitive assessment in the diagnosis of neurocognitive disorders. *J Neuropsychol.* 2025 May 14. doi: 10.1111/jnp.12431. Epub ahead of print. PMID: 40365933. **Impact Factor = 2**

Antonioni A, Raho EM, Spampinato DA, Granieri E, Fadiga L, **Di Lorenzo F***, Koch G. The cerebellum in frontotemporal dementia: From neglected bystander to potential neuromodulatory target. A narrative review. *Neurosci Biobehav Rev.* 2025 May 3;174:106194. doi: 0.1016/j.neubiorev.2025.106194. *: **co-last author. Impact factor:7.5**

Koch G, Casula EP, Bonni S, Borghi I, Assogna M, Di Lorenzo F, Esposito R, Maiella M, D'Acunto A, Ferraresi M, Mencarelli L, Pezzopane V, Motta C, Santarnecchi E, Bozzali M, Martorana A. Effects of 52 weeks of precuneus rTMS in Alzheimer's disease patients: a randomized trial. *Alzheimers Res Ther.* 2025 Apr 2;17(1):69. doi: 10.1186/s13195-025-01709-7. **Impact Factor = 9**

Salajková Z, Barolo L, Baiocco P, Ruzicka B, Mura F, Di Lorenzo F, Boffi A, Ricco V, Ruocco G, Leonetti M. Optical signature of retinal Tau fibrillation. *Sci Rep.* 2025 Mar 6;15(1):7792. doi: 10.1038/s41598-025-92565-w. **Impact Factor = 4.4**

Antonioni A, Raho EM, **Di Lorenzo F***, Manzoli L, Flacco ME, Koch G. Blood phosphorylated Tau217 distinguishes amyloid-positive from amyloid-negative subjects in the Alzheimer's disease continuum. A systematic review and meta-analysis. *J Neurol.* 2025 Mar 6;272(3):252. doi: 10.1007/s00415-025-12996-3. **Impact Factor = 4.8;*= co-first author & corresponding author**

Cabreira V, Alty J, Antic S, Araujo R, Aybek S, Ball HA, Baslet G, Bhome R, Coebergh J, Dubois B, Edwards M, Filipovic SR, Frederiksen KS, Harbo T, Hayhow B, Howard R, Huntley J, Isaacs JD, LaFrance C, Larner A, **Di Lorenzo F**, Main J, Mallam E, Marra C, Massano J, McGrath ER, Portela Moreira I, Nobili F, Pal S, Pennington CM, Tábuas-Pereira M, Perez D, Popkirov S, Rayment D, Rossor M, Russo M, Santana I, Schott J, Scott EP, Taipa R, Teodoro T, Tinazzi M, Tomic S, Toniolo S, Tørring CW, Wilkinson T, Zeidler M, Frostholm L, McWhirter L, Stone J, Carson A. Development of a diagnostic checklist to identify functional cognitive disorder versus other neurocognitive disorders. *BMJ Neurol Open.* 2025 Feb 27;7(1):e000918. doi: 10.1136/bmjno-2024-000918. **Impact Factor = 2.1**

Antonioni A, **Di Lorenzo F**. Topic Issue: "Translational Advances in Neurodegenerative Dementias". *Neurol Int.* 2025 Feb 19;17(2):31. doi: 10.3390/neurolint17020031. **Impact Factor = 3.2**

Assogna M, **Di Lorenzo F**, Bonni S, Borghi I, Cerulli Irelli E, Mencarelli L, Maiella M, Minei M, Esposito R, Casula EP, Pezzopane V, D'Acunto A, Porrazzini F, Candeo F, Ferraresi M, Motta C, Ferrari C, Caltagirone C, Martorana A, Koch G. Phase 2 study of palmitoylethanolamide combined with luteoline in frontotemporal dementia patients. *Brain Commun.* 2025 Mar 5;7(2):fcaf080. doi: 10.1093/braincomms/fcaf080. **Impact Factor = 4.1**

Serra L, Bonarota S, Di Domenico C, Caruso G, Giulietti G, Rizzuti M, Assogna M, Rodini M, Mencarelli L, **Di Lorenzo F**, Koch G, Fadda L, Caltagirone C, Bozzali M. The funnel effect of reserves prompted by leisure activities across the Alzheimer's disease continuum. *J Alzheimers Dis.* 2024 Nov;102(1):181-194. doi: 10.1177/1387287724128421 **Impact Factor = 3.4**

Antonioni A, Raho EM, Manzoli L, Koch G, Flacco ME, **Di Lorenzo F**. Blood phosphorylated Tau181 reliably differentiates amyloid-positive from amyloid-negative subjects in the Alzheimer's disease continuum: A systematic review and meta-analysis. *Alzheimers Dement (Amst).* 2025 Jan 16;17(1):e70068. doi: 10.1002/dad2.70068. **Impact Factor = 4**

Cabreira V, Alty J, Antic S, Araújo R, Aybek S, Ball HA, Baslet G, Bhome R, Coebergh J, Dubois B, Edwards M, Filipović SR, Frederiksen KS, Harbo T, Hayhow B, Howard R, Huntley J, Isaacs J, LaFrance WC Jr, Larner AJ, **Di Lorenzo F**, Main J, Mallam E, Marra C, Massano J, McGrath ER, McWhirter L, Moreira IP, Nobili F, Pennington C, Tábuas-Pereira M, Perez DL, Popkirov S, Rayment D, Rossor M, Russo M, Santana I, Schott J, Scott EP, Taipa R, Tinazzi M, Tomic S, Toniolo S, Tørring CW, Wilkinson T, Frostholm L, Stone J, Carson A. Perspectives on the diagnosis and management of functional cognitive disorder: An international Delphi study. *Eur J Neurol.* 2025 Jan;32(1):e16318. doi: 10.1111/ene.16318. **Impact Factor: 4.5**

Panzavolta A, Arighi A, Guido E, Lavorgna L, **Di Lorenzo F**, Dodich A, Cerami C. Patient-Related Barriers to Digital Technology Adoption in Alzheimer Disease: Systematic Review. *JMIR Aging*. 2025 Apr 10;8:e64324. doi: 10.2196/64324. **Impact Factor = 5**

Maida E, Abbadessa G, **Di Lorenzo F**, Palladino R, Moccia M, Iodice F, Bombaci A, Balestrino R, Clerico M, Miele G, Artusi CA, Ledda C, Margoni M, Cartella SM, Pozzi FE, Nucera B, Triassi M, De Stefano N, Leocani L, Bonavita S, Padovani A, Lavorgna L; "Digital Neurology, Artificial Intelligence" Study Group of the Italian Society of Neurology (SIN), in collaboration with the Italian Section of young Neurologists (SigN). Behind the scenes: exploring neurological journal editors' work habits, decisions, and potential sources of conflict of interest. *J Neurol*. 2024 Dec 12;272(1):20. doi: 10.1007/s00415-024-12780-9. **Impact Factor = 4.8**

Mencarelli L, Torso M, Borghi I, Assogna M, Pezzopane V, Bonni S, **Di Lorenzo F**, Santarnecchi E, Giove F, Martorana A, Bozzali M, Ridgway GR, Chance SA, Koch G. Macro and micro structural preservation of grey matter integrity after 24 weeks of rTMS in Alzheimer's disease patients: a pilot study. *Alzheimers Res Ther*. 2024 Jul 5;16(1):152. **Impact Factor = 7.9**

Serra L, Bonarota S, Di Domenico C, Caruso G, Giulietti G, Rizzuti M, Assogna M, Rodini M, Mencarelli L, **Di Lorenzo F**, Koch G, Fadda L, Caltagirone C, Bozzali M. The funnel effect of reserves prompted by leisure activities across the Alzheimer's disease continuum. *J Alzheimers Dis*. 2024 Nov;102(1):181-194. **Impact Factor = 3.4**

Camera F, Colantoni E, Casciati A, Tanno B, Mencarelli L, **Di Lorenzo F**, Bonni S, Koch G, Merla C. Dosimetry for repetitive transcranial magnetic stimulation: a translational study from Alzheimer's disease patients to controlled in vitro investigations. *Phys Med Biol*. 2024 Sep 2;69(18). **Impact Factor = 3.3**

Maiella M, Mencarelli L, Casula EP, Borghi I, Assogna M, **di Lorenzo F**, Bonni S, Pezzopane V, Martorana A, Koch G. Breakdown of TMS evoked EEG signal propagation within the default mode network in Alzheimer's disease. *Clin Neurophysiol*. 2024 Nov;167:177-188. **Impact Factor = 3.765**

Bombaci A, **Di Lorenzo F***, Pucci E, Solari A, Veronese S; Società Italiana di Neurologia–Società Italiana di Cure Palliative Intersociety Table. Education needs in palliative care and advance care planning of Italian residents in neurology: an online survey. *Eur J Neurol*. 2024 Sep;31(9):e16376. *=co-first author. **Impact Factor = 4.5**

Tiu V, Durães J, **Di Lorenzo F**, Vashchenko N, Gonzalez-Martinez A, Accorroni A, Carvalho V, Sferruzza G, Cuffaro L. Perceived discrepancies in neurosonology training and certification across Europe: a RRFS/EAN survey. *Front Neurol*. 2024 Oct 28;15:1464946. **Impact Factor = 2.7**

Antonioni A, Raho EM, **Di Lorenzo F**. Is blood pTau a reliable indicator of the CSF status? A narrative review. *Neurol Sci*. 2023 Dec 22. doi: 10.1007/s10072-023-07258-x. Epub ahead of print. PMID: 38129590. **Impact Factor = 3.495**

Antonioni A, Raho EM, Sensi M, **Di Lorenzo F**, Fadiga L, Koch G. A new perspective on positive symptoms: expression of damage or self-defence mechanism of the brain? *Neurol Sci*. 2024 Feb 14. doi: 10.1007/s10072-024-07395-x. Epub ahead of print. PMID: 38353846. **Impact Factor = 3.495**

Toniolo S, **Di Lorenzo F**, Bernardini S, Mercuri NB, Sancesario GM. Blood-Brain Barrier Dysfunction and A β 42/40 Ratio Dose-Dependent Modulation with the ApoE Genotype within the ATN Framework. *Int J Mol Sci*. 2023 Jul 29;24(15):12151. doi: 10.3390/ijms241512151. **Impact factor: 6.208**

Antonioni A, Raho EM, Lopriore P, Pace AP, Latino RR, Assogna M, Mancuso M, Gragnaniello D, Granieri E, Pugliatti M, **Di Lorenzo F***, Koch G. Frontotemporal Dementia, Where Do We Stand? A Narrative Review. *Int J Mol Sci*. 2023 Jul 21;24(14):11732. doi: 10.3390/ijms241411732. **Impact factor: 6.208** *= corresponding author

Ercoli T, Barbato F, Bombaci A, Cuffaro L, **Di Lorenzo F**, Iodice F, Romoli M, Solla P, Defazio G. Neurological Consequences of COVID-19: A Systematic Review of the Pandemic's Impact on Neurology Training. *Brain Sci*. 2023 Aug 10;13(8):1188. doi: 10.3390/brainsci13081188. **Impact Factor: 3.333**

Assogna M, Premi E, Gazzina S, Benussi A, Ashton NJ, Zetterberg H, Blennow K, Gasparotti R, Padovani A, Tadayon E, Romanella S, Sprugnoli G, Pascual-Leone A, **Di Lorenzo F**, Koch G, Borroni B, Santarnecchi E. Association of Choroid Plexus Volume With Serum Biomarkers, Clinical Features, and Disease Severity in Patients With Frontotemporal Lobar Degeneration Spectrum. *Neurology*. 2023 Sep 19;101(12):e1218-e1230. doi: 10.1212/WNL.0000000000207600. **Impact Factor: 9.9**

Motta C, Assogna M, Bonomi CG, **Di Lorenzo F**, Nuccetelli M, Mercuri NB, Koch G, Martorana A. Interplay between the catecholaminergic enzymatic axis and neurodegeneration/neuroinflammation processes in the Alzheimer's disease continuum. *Eur J Neurol*. 2023 Apr;30(4):839-848. doi: 10.1111/ene.15691. **Impact Factor: 6.288**

Ercoli T, Barbato F, Cuffaro L, Iodice F, Romoli M, Tedeschi G, Berardelli A, **Di Lorenzo F***, Bombaci A; SlgN. The future of neurology after the COVID-19 pandemic according to neurology residents. *Neurol Sci*. 2022 Oct 13:1–4. doi: 10.1007/s10072-022-06450-9. **Impact Factor = 3.495** *= corresponding author

D'Antonio F, Tremolizzo L, Zuffi M, Pomati S, Farina E; **Sindem BPSD Study Group**. Clinical Perception and Treatment Options for Behavioral and Psychological Symptoms of Dementia (BPSD) in Italy. *Front Psychiatry*. 2022 Apr 1;13:843088. **Impact Factor = 5.435**

Assogna M, **Di Lorenzo F**, Martorana A, Koch G. Synaptic Effects of Palmitoylethanolamide in Neurodegenerative Disorders. *Biomolecules*. 2022 Aug 22;12(8):1161. doi: 10.3390/biom12081161. **Impact Factor = 5.88**

Casula EP, Borghi I, Maiella M, Pellicciari MC, Bonni S, Mencarelli L, Assogna M, D'Acunto A, **Di Lorenzo F**, Spampinato DA, Santarnecchi E, Martorana A, Koch G. Regional Precuneus Cortical

Hyperexcitability in Alzheimer's Disease Patients. Ann Neurol. 2022 Sep 22. doi: 10.1002/ana.26514
Impact Factor = 10.442

Di Lorenzo F, Oliviero A, Guerra A, Fried PJ. Editorial: Non-invasive Brain Stimulation for Neurodegenerative Disorders: From Investigation to Therapeutic Application. Front Neurol. 2022 Mar 3;13:820942. **Impact Factor = 3.552**

Spina E, Tedeschi G, Russo A, Trojsi F, Iodice R, Tozza S, Iovino A, Iodice F, Abbadessa G, **Di Lorenzo F**, Miele G, Maida E, Cerullo G, Sparaco M, Silvestro M, Leocani L, Bonavita S, Manganelli F, Lavorgna L; Digital Technologies, Web and Social Media Study Group of the Italian Society of Neurology (SIN). Telemedicine application to headache: a critical review. Neurol Sci. 2022 Jan 24:1–7. **Impact Factor = 3.18**

Gialopsou A, Abel C, James TM, Coussens T, Bason MG, Puddy R, **Di Lorenzo F**, Rolfs K, Voigt J, Sander T, Cercignani M, Krüger P. Improved spatio-temporal measurements of visually evoked fields using optically-pumped magnetometers. Sci Rep. 2021 Nov 17;11(1):22412. **Impact Factor = 4.379**

Toniolo S, Scarioni M, **Di Lorenzo F**, Hort J, Georges J, Tomic S, Nobili F, Frederiksen KS, Bonanni L. Dementia and COVID-19, a bidirectional liaison: Risk factors, biomarkers, and optimal health care. DOI 10.3233/JAD-210335. Journal of Alzheimer's Disease. **Impact Factor = 4.472**

S Toniolo, **F Di Lorenzo**, M Scarioni, KS Frederiksen, F Nobili. Is the Frontal Lobe the Primary Target of SARS-CoV-2? Journal of Alzheimer's Disease. **Impact Factor = 4.472**

Di Lorenzo F, Ercoli T, Cuffaro L, Barbato F, Iodice F, Tedeschi G, Bombaci A. COVID-19 impact on neurology training program in Italy. DOI:10.1007/s10072-020-04991-5. Neurological Sciences (2020). **Impact factor: 2.484;**

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Reviewer activity

Ad hoc Reviewer for: more than 100 peer-reviewed scientific journals.
Topic editor for Frontiers in Neurology, Biomedicines.
Grant reviewer for: Graduate Women in Science (GWS)

Scientific Dissemination

Participation to many podcasts, webcasts, TV interviews from international scientific societies and Italian State broadcasting

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