

CURRICULUM VITAE



DOMENICO PLANTONE

Nome

Domenico.plantone@unisi.it

E-mail

Italiana

Nazionalità

27/06/1984

D.n.

PROFESSIONAL EXPERIENCE

RICERCATORE A TEMPO DETERMINATO TIPO B

01/09/2021-in corso

University of Siena

Istituzione

Viale Bracci 2, 53100 Siena

Indirizzo

DIRIGENTE MEDICO A TEMPO INDETERMINATO

16/10/2019-31/08/2021

Azienda Sanitaria Locale (ASL) Bari, "Di Venere" Teaching Hospital

Istituzione

Via Ospedale di Venere, 1, 70131 Bari BA

Indirizzo

DIRIGENTE MEDICO A TEMPO INDETERMINATO

01/02/2019-15/10/2019

Azienda Socio Sanitaria Territoriale di Pavia (A.S.S.T.)

Istituzione

Viale della Repubblica, 34, 27100 Pavia PV

Indirizzo

DIRIGENTE MEDICO A TEMPO INDETERMINATO

4/5/2016-31/01/2019

Azienda Sanitaria Locale del Verbano - Cusio - Ossola

Istituzione

CLINICAL RESEARCH ASSOCIATE

01/01/2015-30/04/2016

University College of London – Institute of Neurology

Istituzione

Queen Square, London WC1N 3BG, United Kingdom

Indirizzo

CLINICAL FELLOW IN NEUROLOGY

21/07/2014-28/12/2014

Royal Preston Hospital

Istituzione

Sharoe Green Lane north, Fulwood, Preston, Lancashire PR2 9HT,

Indirizzo

United Kingdom

**CLINICAL FELLOW IN NEUROLOGY DURING THE SPECIALITY TRAINING
IN NEUROLOGY**

01/09/2013-01/03/2014

National Hospital for Neurology and Neurosurgery

Istituzione

33 Queen Square, London WC1N 3BG, United Kingdom

Indirizzo

EDUCATION AND TRAINING

**Conseguimento dell'abilitazione scientifica italiana (DD2175/2018) per le
funzioni di professore associato in Neurologia 06/D6**

06/11/2020

Dottorato in neuroscienze

22/03/2017

Università Cattolica del Sacro Cuore - Policlinico "Agostino Gemelli", Roma

Istituzione

Speciality training in neurology

23/06/2014

Università Cattolica del Sacro Cuore - Policlinico "Agostino Gemelli", Roma

Istituzione

50/50 cum laude

Votazione finale

Medical degree

24/07/2008

Università Cattolica del Sacro Cuore - Policlinico "Agostino Gemelli", Roma

Istituzione

INSEGNAMENTI

Insegnamento di Neurologia agli studenti del Corso di Laurea in Infermieristica dell'Università degli Studi di Siena (NEUROLOGIA- Anno di corso: 2 Laurea triennale (DM 270) INFERMIERISTICA (ABILITANTE ALLA PROFESSIONE SANITARIA DI INFERMIERE)

Anni accademici 2021-2022 and 2022-2023

Università di Siena

Istituzione

Viale Bracci 2, 53100, Siena

Indirizzo

Training agli studenti di medicina (5o anno) MED/26 NEUROLOGIA

Anni accademici 2021-2022 and 2022-2023

Università di Siena

Istituzione

Viale Bracci 2, 53100, Siena

Indirizzo

Insegnamento alla scuola di specializzazione in neurologia

Anni accademici 2021-2022 and 2022-2023

Università di Siena

Istituzione

Viale Bracci 2, 53100, Siena

Indirizzo

Insegnamento di Neurologia agli studenti del Corso di Laurea in Infermieristica dell'Università degli Studi di Bari, Bari - Di Venere

20/12/2020-31/08/2021

Ospedale "Di Venere"

Istituzione

Via Ospedale di Venere, 1, 70131 Bari BA

Indirizzo

Insegnamento di Neurologia agli studenti del Corso di Laurea in Infermieristica dell'Università degli Studi di Bari, Marina Militare - Taranto

20/12/2020-31/08/2021

Marina Militare | Taranto

Istituzione

Largo Lorenzo Bezzi, 1, 74100 San Vito, Taranto TA

Indirizzo

Insegnamento di Neurologia agli studenti del Corso di Laurea in Infermieristica dell'Università degli Studi di Bari, Ospedale Santissima Annunziata - Taranto

20/12/2020-31/08/2021

Ospedale Santissima Annunziata

Istituzione

Via Francesco Bruno, 1, 74121 Taranto TA

Indirizzo

Insegnamento di Neurologia Clinica agli studenti del Bachelor of Medicine presso Manchester University

21/07/2014-28/12/2014

Royal Preston Hospital

Istituzione

Sharoe Green Lane north, Fulwood, Preston, Lancashire PR2 9HT, United

Indirizzo

Kingdom

Insegnamento di Neurologia Clinica agli studenti del Bachelor of Medicine presso Lancaster University

21/07/2014-28/12/2014

Royal Lancaster Infirmary

Istituzione

Ashton Road Lancaster Lancashire LA1 4RP, United Kingdom

Indirizzo

PREMI ACCADEMICI

Miglior poster durante il congresso annuale della Società Italiana di Neurologia

ottobre 2017

**ATTIVITÀ DI FORMAZIONE O
RICERCA PRESSO QUALIFICATI
ENTI PUBBLICI STRANIERI**

Visiting research fellow presso University College of London (UCL) durante la specializzazione in neurologia	01/09/2013-01/03/2014
Clinical fellow (senior level) presso Lancashire Teaching Hospitals.	21/07/2014-28/12/2014
Clinical research fellow presso University College of London (UCL).	01/01/2015-30/04/2016

**ORGANIZZAZIONE, DIREZIONE E
COORDINAMENTO DI GRUPPI DI
RICERCA NAZIONALI E
INTERNAZIONALI O
PARTECIPAZIONE AD ESSI**

Responsabile dell'Unità di Ricerca di Siena per il progetto multicentrico intitolato "Exploring biomarkers in hereditary transthyretin amyloidosis: from clinical severity assessment to new disease mechanisms". Grant di ricerca del Ministero della Salute, BANDO RICERCA FINALIZZATA

Sub-principal investigator del "MS-SMART trial" (Multiple Sclerosis-Secondary Progressive Multi-Arm Randomisation Trial)

Partecipazione al progetto italiano "Mild behavioral impairment"

**ISCRIZIONE AD ORDINI
PROFESSIONALI**

Iscrizione all'Ordine dei Medici della Provincia di Bari	26/03/2009
Iscrizione al General Medical Council	13/06/2013

Fondi di ricerca

430000€ come responsabile dell'Unità di Ricerca di Siena per il progetto multicentrico intitolato "Exploring biomarkers in hereditary transthyretin amyloidosis: from clinical severity assessment to new disease mechanisms". Grant di ricerca del Ministero della Salute, BANDO RICERCA FINALIZZATA 2021	2021
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1. **Plantone D**, Primiano G, Manco C, Locci S, Servidei S, De Stefano N. Vitamin D in Neurological Diseases. *International Journal of Molecular Sciences*. 2023; 24(1):87. <https://doi.org/10.3390/ijms24010087>
2. Luigetti M, Romano A, Guglielmino V, Sciarrone MA, Vitali F, Carbone C, Piro G, Sabino A, De Stefano N, **Plantone D**, Primiano G. Serum Inflammatory Profile in Hereditary Transthyretin Amyloidosis: Mechanisms and Possible Therapeutic Implications. *Brain Sciences*. 2022; 12(12):1708. <https://doi.org/10.3390/brain-sci12121708>
3. **Plantone D**, Locci S, Bergantini L, Manco C, Cortese R, Meocci M, Cavallaro D, d'Alessandro M, Bargagli E, De Stefano N. Brain neuronal and glial damage during acute COVID-19 infection in absence of clinical neurological manifestations. *J Neurol Neurosurg Psychiatry*. 2022 Dec;93(12):1343-1348. doi: 10.1136/jnnp-2022-329933.
4. **Plantone D**, Pardini M, Locci S, Nobili F, De Stefano N. B Lymphocytes in Alzheimer's Disease-A Comprehensive Review. *J Alzheimers Dis*. 2022;88(4):1241-1262. doi: 10.3233/JAD-220261.
5. **Plantone D**, Distaso E, D'Onghia M, Dell'Aquila C, Giannini A, Rinaldi G. Trigeminal Neuralgia Associated With a Solitary Pontine Lesion: A Case Report. *The Neurohospitalist*. August 2021. doi:10.1177/19418744211027754.
6. **Plantone D**, Pardini M, Rinaldi G. Riboflavin in Neurological Diseases: A Narrative Review. *Clin Drug Investig*. 2021 Jun;41(6):513-527. doi: 10.1007/s40261-021-01038-1.
7. Solanky BS, John NA, DeAngelis F, Stutters J, Prados F, Schneider T, Parker RA, Weir CJ, Monteverdi A, **Plantone D**, Doshi A, MacManus D, Marshall I, Barkhof F, Gandini Wheeler-Kingshott CAM, Chataway J; MS-SMART Investigators. NAA is a Marker of Disability in Secondary-Progressive MS: A Proton MR Spectroscopic Imaging Study. *AJNR Am J Neuroradiol*. 2020 Dec;41(12):2209-2218. doi: 10.3174/ajnr.A6809.
8. **Plantone D**, Vollono C, Pardini M, Primiano G, Myftari V, Vitetta F, Sola P,

Mirabella M, Ferraro D. A voxel-based lesion symptom mapping analysis of chronic pain in multiple sclerosis. *Neurol Sci.* 2021 May;42(5):1941-1947. doi: 10.1007/s10072-020-04745-3.

9. De Angelis F, Connick P, Parker RA, **Plantone D**, Doshi A, John N, Stutters J, MacManus D, Prados F, Marshall I, Solanky B, Samson RS, Barkhof F, Ourselin S, Braisher M, Ross M, Cranswick G, Pavitt SH, Gnanapavan S, Giovannoni G, Wheeler-Kingshott CAMG, Hawkins C, Sharrack B, Bastow R, Weir CJ, Stallard N, Chandran S, Chataway J. Amiloride, fluoxetine or riluzole to reduce brain volume loss in secondary progressive multiple sclerosis: the MS-SMART four-arm RCT. Southampton (UK): NIHR Journals Library; 2020 May.

10. Chataway J, De Angelis F, Connick P, Parker RA, **Plantone D**, Doshi A, John N, Stutters J, MacManus D, Prados Carrasco F, Barkhof F, Ourselin S, Braisher M, Ross M, Cranswick G, Pavitt SH, Giovannoni G, Gandini Wheeler-Kingshott CA, Hawkins C, Sharrack B, Bastow R, Weir CJ, Stallard N, Chandran S; MS-SMART Investigators. Efficacy of three neuroprotective drugs in secondary progressive multiple sclerosis (MS-SMART): a phase 2b, multiarm, double-blind, randomised placebo-controlled trial. *Lancet Neurol.* 2020 Mar;19(3):214-225. doi: 10.1016/S1474-4422(19)30485-5.

11. Orso B, Mattei C, Arnaldi D, Massa F, Serafini G, **Plantone D**, Doglione E, Grafman J, Nobili F, Pardini M. Clinical and MRI Predictors of Conversion From Mild Behavioural Impairment to Dementia. *Am J Geriatr Psychiatry.* 2020 Jul;28(7):755-763. doi: 10.1016/j.jagp.2019.12.007.

12. **Plantone D**, Piantadosi C, Ruggieri S, Anelli V, Koudriavtseva T. Tumefactive Demyelinating Lesions and Pregnancy. *Neurol India.* 2019 Nov-Dec;67(6):1519-1521. doi: 10.4103/0028-3886.273654.

13. **Plantone D**, Inglese M, Salvetti M, Koudriavtseva T. A Perspective of Coagulation Dysfunction in Multiple Sclerosis and in Experimental Allergic Encephalomyelitis. *Front Neurol.* 2019 Jan 14;9:1175. doi: 10.3389/fneur.2018.01175.

14. **Plantone D**. Striatum Involvement in LGI1 Limbic Encephalitis *Clin Psychophar-*

macol Neurosci 2018; 16(4): 508-509.

15. Connick P, De Angelis F, Parker RA, **Plantone D**, Doshi A, John N, Stutters J, MacManus D, Prados Carrasco F, Barkhof F, Ourselin S, Braisher M, Ross M, Cranswick G, Pavitt SH, Giovannoni G, Gandini Wheeler-Kingshott CA, Hawkins C, Sharrack B, Bastow R, Weir CJ, Stallard N, Chandran S, Chataway J; UK Multiple Sclerosis Society Clinical Trials Network. Multiple Sclerosis-Secondary Progressive Multi-Arm Randomisation Trial (MS-SMART): a multiarm phase IIb randomised, double-blind, placebo-controlled clinical trial comparing the efficacy of three neuro-protective drugs in secondary progressive multiple sclerosis. *BMJ Open*. 2018 Aug 30;8(8):e021944.

16. De Angelis F, **Plantone D**, Chataway J. Pharmacotherapy in Secondary Progressive Multiple Sclerosis: An Overview. *CNS Drugs*. 2018 Jul 3. doi: 10.1007/s40263-018-0538-0.

17. **Plantone D**, Koudriavtseva T. Current and future use of Chloroquine and Hydroxychloroquine in infectious, immune, neoplastic and neurological diseases: a mini-review. *Clin Drug Investig*. 2018 Aug;38(8):653-671. doi: 10.1007/s40261-018-0656-y.

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21. Koudriavtseva T, **Plantone D**, Mandoj C, Giannarelli D, Latini A, Colafigli M,

- Trento E, Cordiali-Fei P, Pimpinelli F. HIV and decreased risk of multiple sclerosis: role of low CD4+ lymphocyte count and male prevalence. *J Neurovirol.* 2017 Feb;23(1):147-151. doi: 10.1007/s13365-016-0471-2.
22. **Plantone D**, De Angelis F, Doshi A, Chataway J. Dimethyl fumarate may still have a role in progressive multiple sclerosis. *Ther Adv Neurol Disord.* 2016 Jul;9(4):344-5.
23. Galié E, Renna R, **Plantone D**, Pace A, Marino M, Jandolo B, Koudriavtseva T. Paraneoplastic Morvan's syndrome following surgical treatment of recurrent thymoma: A case report. *Oncol Lett.* 2016 Oct;12(4):2716-2719.
24. **Plantone D**, De Angelis F, Doshi A, Chataway J. Secondary Progressive Multiple Sclerosis: Definition and Measurement. *CNS Drugs.* 2016 Jun;30(6):517- 26.
25. Yiannakas MC, Mustafa AM, De Leener B, Kearney H, Tur C, Altmann DR, De Angelis F, **Plantone D**, Ciccarelli O, Miller DH, Cohen-Adad J, Gandini Wheeler-Kingshott CAM. Fully automated segmentation of the cervical cord from T1-weighted MRI using PropSeg: Application to multiple sclerosis. *NeuroImage: Clinical.* 2016 10:71–77.
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27. Mandoj C, Renna R, **Plantone D**, Sperduti I, Cigliana G, Conti L, Koudriavtseva T. Anti-annexin antibodies, cholesterol levels and disability in multiple sclerosis. *Neurosci Lett.* 2015 Oct 8;606:156-60. doi: 10.1016/j.neulet.2015.08.054.
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31. Koudriavtseva T, Renna R, **Plantone D**, Mandoj C, Piattella MC, Giannarelli D. Association between anemia and multiple sclerosis. *Eur Neurol*. 2015;73(3- 4):233-7. doi: 10.1159/000381212.
32. **Plantone D**, Renna R, Sbardella E, Koudriavtseva T. Concurrence of multiple sclerosis and brain tumors. *Front Neurol*. 2015 Mar 4;6:40. doi: 10.3389/fneur.2015.00040. eCollection 2015. Review.
33. **Plantone D**, Renna R, Primiano G, Shukralla A, Koudriavtseva T. PPIs as possible risk factor for copper deficiency myelopathy. *J Neurol Sci*. 2015 Feb 15;349(1-2):258- 9. doi: 10.1016/j.jns.2015.01.009.
34. **Plantone D**. Spinal Cord Atrophy in Multiple sclerosis. *CML – Multiple Sclerosis* 2015;7(1):1– 7.
35. **Plantone D**, Primiano G, Renna R, Restuccia D, Iorio R, Patanella KA, Ferilli MN, Servidei S. Copper deficiency myelopathy: A report of two cases. *J Spinal Cord Med*. 2015 Jul;38(4):559-62. doi: 10.1179/2045772314Y.0000000268.
36. Renna R, Plantone F, **Plantone D**. Pure psychiatric presentation in a patient with Fahr disease *Ann Indian Acad Neurol*. 2014 Oct;17(4):466-7. Doi: 10.4103/0972- 2327.144041.
37. Koudriavtseva T, **Plantone D**, Renna R. Antiphospholipid antibodies: a possible biomarker of disease activity in multiple sclerosis and neuromyelitis optica spectrum disorders. *J Neurol*. 2014 Oct;261(10):2028-9. doi: 10.1007/s00415-014- 7506-5.
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39. Iorio R, Sabatelli M, Del Grande A, Bisogni G, Damato V, **Plantone D**, Marti A,

Frisullo G, Romano A, Rossini PM, Luigetti M. Distinct lymphocytes subsets in IgM-related neuropathy: clinical-immunological correlations. *Neurol Sci*. 2015 Feb;36(2):303-8. doi: 10.1007/s10072-014-1935-x.

40. Iorio R, Assenza G, Tombini M, Colicchio G, Della Marca G, Benvenga A, Damato V, Rossini PM, Vollono C, **Plantone D**, Marti A, Batocchi AP, Evoli A. The detection of neural autoantibodies in patients with antiepileptic-drug-resistant epilepsy predicts response to immunotherapy. *Eur J Neurol*. 2015 Jan;22(1):70-8. doi: 10.1111/ene.12529.

41. Primiano G, **Plantone D**, Forte F, Sauchelli D, Scaldaferrì F, Gasbarrini A, Servidei S. Acute refractory intestinal pseudo-obstruction in MELAS: Efficacy of prucalopride. *Neurology*. 2014 May 27;82(21):1932-4. doi: 10.1212/WNL.0000000000000458.

42. **Plantone D**, Marti A, Frisullo G, Iorio R, Damato V, Nociti V, Patanella AK, Bianco A, Mirabella M, Batocchi AP. Circulating CD56dim NK cells expressing perforin are increased in progressive multiple sclerosis. *J Neuroimmunol*. 2013 Dec 15;265(1-2):124-7. doi: 10.1016/j.jneuroim.2013.10.004.

43. Renna R, Plantone F, **Plantone D**. Atlantoaxial Subluxation in Rheumatoid Arthritis. *J Rheumatol* 2013;40;1925

44. Iorio R, Capone F, **Plantone D**, Batocchi AP. Paroxysmal ataxia and dysarthria in multiple sclerosis. *J Clin Neurosci*. 2014 Jan;21(1):174-5. doi: 10.1016/j.jocn.2013.01.031.

45. Iorio R, Damato V, Mirabella M, Vita MG, Hulsenboom E, **Plantone D**, Bizzarro A, Del Grande A, Sillevs Smitt PA. Cerebellar degeneration associated with mGluR1 autoantibodies as a paraneoplastic manifestation of prostate adenocarcinoma. *J Neuroimmunol*. 2013 Oct 15;263(1-2):155-8. doi: 10.1016/j.jneuroim.2013.07.015. Epub 2013 Aug 3.

46. **Plantone D**, Primiano G, Servidei S. Midbrain panda sign in Wilson disease. *Intern Med*.2013;52(11):1285.

47. **Plantone D**, Renna R, Grossi D, Plantone F, Iorio R. Basal Ganglia involvement

in facio-brachial dystonic seizures associated with LGI-1 antibodies. *Neurology*.

2013 Apr 23;80(17):e183-4.

48. **Plantone D**, Renna R, Primiano G, Servidei S. Osteoma of the internal auditory canal. *Intern Med*. 2013;52(7):839.

49. Iorio R, Damato V, Mirabella M, Evoli A, Marti A, **Plantone D**, Frisullo G, Batocchi AP. Distinctive Clinical and Neuroimaging Characteristics of Longitudinally Extensive Transverse Myelitis Associated with Aquaporin-4 Autoantibodies. *J Neurol*. 2013 Sep;260(9):2396-402. doi: 10.1007/s00415-013-6997-9. Epub 2013 Jun 21.

50. **Plantone D**, Plantone F, Renna R. Clinical and Therapeutic Aspects of Vertigo. *J Rhinol-Otol*. 1, 31-39.

51. Iorio R, **Plantone D**, Damato V, Batocchi AP. Anorexia heralding the onset of Neuromyelitis Optica. *Intern Med*. 2013;52(4):489-91.

52. Cianci R, Cammarota G, Frisullo G, Pagliari D, Ianiro G, Martini M, Frosali S, **Plantone D**, Damato V, Casciano F, Landolfi R, Batocchi AP, Pandolfi F. Tissue-Infiltrating Lymphocytes Analysis Reveals Large Modifications of the Duodenal "Immunological Niche" in Coeliac Disease After Gluten-Free Diet. *Clinical and Translational Gastroenterology* (2012) 3, e28.

53. Primiano G, **Plantone D**, Sauchelli D, Cuccagna C, Renna R, Iorio R, Servidei S. Resolution of muscle inflammation in a woman with paraneoplastic dermatomyositis after tumor removal. *J Rheumatol*. 2012 Dec;39(12):2359-60.

54. Frisullo G, **Plantone D**, Marti A, Iorio R, Nociti V, Patanella AK, Batocchi AP. Circulating CD8+CD56-perforin+ T cells are increased in multiple sclerosis patients. *J Neuroimmunol*. 2011 Dec 15;240-241:137-41.

55. Renna R, **Plantone D**, Batocchi AP. Teaching NeuroImages: A case of hearing loss in a paraneoplastic syndrome associated with anti-Hu antibody. *Neurology*. 2012 Oct 9;79(15):e134.

56. Renna R, Plantone F, **Plantone D**. A case of hemorrhagic Wernicke's encephalopathy following gastric surgery. *Neurol India*. 2012 Jul-Aug;60(4):453-4.

57. Frisullo G, **Plantone D**, Marti A, Iorio R, Damato V, Nociti V, Patanella AK,

- Bianco A, Batocchi AP. Type 1 immune response in progressive multiple sclerosis. *J Neuroimmunol.* 2012 Aug 15;249(1-2):112-6.
58. Frisullo G, Iorio R, **Plantone D**, Nociti V, Patanella AK, Marti A, Palermo C, Valentini P, Mariotti P, Batocchi AP. Involvement of type I immune responses in swine-origin H1N1 influenza virus infection. *Hum Immunol.* 2011 Aug;72(8):632-5.
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63. Mariotti P, Iorio R, Frisullo G, **Plantone D**, Colantonio R, Tartaglione T, Batocchi AP, Valentini P. Acute necrotizing encephalopathy during novel influenza A (H1N1) virus infection. *Ann Neurol.* 2010 Jul;68(1):111-4.
64. Frisullo G, Nociti V, Iorio R, **Plantone D**, Patanella AK, Tonali PA, Batocchi AP. CD8(+)Fox- p3(+) T cells in peripheral blood of relapsing-remitting multiple sclerosis patients. *Hum Immunol.* 2010 May;71(5):437-41.
65. Frisullo G, Nociti V, Iorio R, Patanella AK, **Plantone D**, Bianco A, Marti A, Cammarota G, Tonali PA, Batocchi AP. T-bet and pSTAT-1 expression in PBMC from coeliac disease patients: new markers of disease activity. *Clin Exp Immunol.* 2009 Oct;158(1):106-14.
66. Frisullo G, Nociti V, Iorio R, Patanella AK, Marti A, Assunta B, **Plantone D**, Cammarota G, Tonali PA, Batocchi AP. Increased CD4+CD25+Foxp3+ T cells in

peripheral blood of celiac disease patients: correlation with dietary treatment. Hum Immunol. 2009 Jun;70(6):430-5.

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Siena, 21 marzo 2023

Domenico Plantone