

BIOGRAPHICAL SKETCH
Complete for each professional associated with the project

Name: <i>[Last, First, Middle Initial(s), Degree(s)]</i> LO FERMO SALVATORE	Position/Title: PHYSICIAN, NEUROLOGIST
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Education

[Begin with baccalaureate or other professional education and include postdoctoral training]

Institution and Location	Degree	Year Conferred	Field of Study
University of Catania (Catania)	Degree in Medicine and Surgery maximum cum laude	1999	Research Thesis on the following topic: <i>"Prevalence of multiple sclerosis in the town of Catania"</i>
University of Catania (Catania)	Post Degree in Neurology	2004	Research Thesis on <i>"The SPECT DATSCAN in the diagnosis of Parkinson's disease and Parkinsonisms"</i>
University of Catania (Catania)	PhD in Medicine Neurovegetative	2010	Research Thesis on <i>"The autonomic disorders in multiple sclerosis"</i>

Research and Professional Experience

[List in chronological order, previous employment, experience and honors]

From 1999 to 2004 Resident in Neurology of the University of Catania. During this period he worked at Multiple Sclerosis and Demyelinating Diseases Center and at Amyotrophic Lateral Sclerosis Center of the University of Catania.

From 1 September 2002 to 31 May 2003 he worked at the Movement Disorders Clinic of 'Catholic University of the Sacred Heart in Rome, Faculty of Medicine "A. Gemelli" in which he visited patients with Parkinson's disease and parkinsonism (MSA, PSP, CBD, etc.), Huntington's disease, dystonia syndrome (primary, plus, secondary).

From February 1, 2005 to June 30 2005 he worked as neurologist at Multiple Sclerosis and Demyelinating Diseases Center and at Amyotrophic Lateral Sclerosis Center of the University of Catania.

From 27/06/2005 to 30/06/2006 he worked as neurologist at I.R.C.C.S. Oasi Maria SS. Troina.

From 17.07.2006 until today he worked as neurologist at Multiple Sclerosis and Demyelinating Diseases Center and at Amyotrophic Lateral Sclerosis Center of the University of Catania. Since 2001 he participated in at least 40 clinical trials to assess the efficacy of new drugs in multiple sclerosis.

Publications

For each investigator, provide complete bibliographic citations for selected **publications related to the topic of this application**. DO NOT exceed one page for each individual.

- 1 Trojano M, Pellegrini F, Paolicelli D, Fuiani A, Zimatore GB, Tortorella C, Simone IL, Patti F, Ghezzi A, Zipoli V, Rossi P, Pozzilli C, Salemi G, Lugaresi A, Bergamaschi R, Millefiorini E, Clerico M, Lus G, Vianello M, Avolio C, Cavalla P, Lepore V, Livrea P, Comi G, Amato MP; Italian Multiple Sclerosis Database Network (MSDN) Group. Real-life impact of early interferon beta therapy in relapsing multiple sclerosis. *Ann Neurol*. 2009 Oct;66(4):513-20.
- 2 Patti F, Amato MP, Bastianello S, Caniatti L, Di Monte E, Ferrazza P, Goretti B, Gallo P, Brescia Morra V, **Lo Fermo S**, Picconi O, Tola M, Trojano M; the COGIMUS Study Group. Effects of immunomodulatory treatment with subcutaneous interferon beta-1a on cognitive decline in mildly disabled patients with relapsing-remitting multiple sclerosis. *Mult Scler*. 2010 Jan;16(1):68-77.
- 3 **Lo Fermo S**, Barone R, Patti F, Laisa P, Cavallaro TL, Nicoletti A, Zappia M. Outcome of psychiatric symptoms presenting at onset of multiple sclerosis: a retrospective study. *Mult Scler*. 2010 Jun;16(6):742-8.
- 4 Nicoletti A, Patti F, **Lo Fermo S**, Messina S, Bruno E, Quattrocchi G, Laisa P, Cilia S, Mostile G, Marziolo R, Scillieri R, Maimone D, Zappia M. Increasing frequency of multiple sclerosis in Catania, Sicily: a 30-year survey. *Mult Scler*. 2011 Mar;17(3):273-80.
- 5 Patti F, Nicoletti A, Pappalardo A, Castiglione A, **Lo Fermo S**, Messina S, D'Amico E, Cimino V, Zappia M. Frequency and severity of headache is worsened by Interferon- β therapy in patients with multiple sclerosis. *Acta Neurol Scand*. 2011 Jun 8
- 6 Portaccio E, Ghezzi A, Hakiki B, Martinelli V, Moiola L, Patti F, La Mantia L, Mancardi GL, Solaro C, Tola MR, Pozzilli C, De Giglio L, Totaro R, Lugaresi A, De Luca G, Paolicelli D, Marrosu MG, Comi G, Trojano M, Amato MP; MS Study Group of the Italian Neurological Society. Breastfeeding is not related to postpartum relapses in multiple sclerosis. *Neurology*. 2011 Jul 12;77(2):145-50.
- 7 Bastianello S, Giugni E, Amato MP, Tola MR, Trojano M, Galletti S, Luccichenti G, Quarantelli M, Picconi O, Patti F; COGIMUS study group. Changes in magnetic resonance imaging disease measures over 3 years in mildly disabled patients with relapsing-remitting multiple sclerosis receiving interferon β -1a in the COGNITIVE IMPAIRMENT IN MULTIPLE SCLEROSIS (COGIMUS) study. *BMC Neurol*. 2011 Oct 14;11:125.
- 8 Patti F, Nicoletti A, Leone C, Messina S, D'Amico E, **Lo Fermo S**, Paradisi V, Bruno E, Quattrocchi G, Veroux P, Di Pino L, Costanzo L, Zappia M. Multiple sclerosis and CCSVI: a population-based case control study. *PLoS One*. 2012;7(8)
- 9 Nicoletti A, Bruno E, Nania M, Cicero E, Messina S, Chisari C, Torrisi J, Maimone D, Marziolo R, **Lo Fermo S**, Patti F, Giammanco S, Zappia M. Multiple Sclerosis in the Mount Etna region: possible role of volcanogenic trace elements. *PLoS One*. 2013 Dec 11;8(12).
- 10 Portaccio E, Ghezzi A, Hakiki B, Sturchio A, Martinelli V, Moiola L, Patti F, Mancardi GL, Solaro C, Tola MR, Pozzilli C, De Giglio L, Totaro R, Lugaresi A, De Luca G, Paolicelli D, Marrosu MG, Comi G, Trojano M, Amato MP; MS Study Group of the Italian Neurological Society. Postpartum relapses increase the risk of disability progression in multiple sclerosis: the role of disease modifying drugs. *J Neurol Neurosurg Psychiatry*. 2014 Aug;85(8):845-50.
- 11 Bruno E, Nicoletti A, Messina S, **Lo Fermo S**, Raciti L, Quattrocchi G, Dibilio V, Paradisi V; Maimone D, Patti F, Zappia M. Restless legs syndrome and multiple sclerosis: a population based case-control study in Catania, Sicily. *Eur J Neurol*. 2014
- 12 Patti F, Messina S, D'Amico E, **Lo Fermo S**, Zappia M. Pregnancy outcomes in multiple sclerosis patients previously treated with cyclophosphamide. *Acta Neurol Scand*. Oct;130(4):e41-4.
- 13 D'Amico E, Leone C, Zanghi A, **Lo Fermo S**, Patti F. Lateral and escalation therapy in relapsing-remitting multiple sclerosis: a comparative study. *J Neurol*. 2016 Sep;263(9):1802-9.
- 14 Nicoletti A, Messina S, Bruno E, Mostile G, Quattrocchi G, Raciti L, Dibilio V, Cappellani R, D'Amico E, Sciacca G, **Lo Fermo S**, Paradisi V, Patti F, Zappia M. Risk factors in multiple sclerosis: a population-based case-control study in Sicily. Background and methods. *Neurol Sci*. 2016 Aug