

BIOGRAPHICAL SKETCH
Complete for each professional associated with the project

Name: <i>[Last, First, Middle Initial(s), Degree(s)]</i> Lorena Lorefice, MD	Position/Title: Researcher (RTD A); 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 Cagliari	Medical Degree	2006	Research Thesis on topic "Autoimmune Comorbidities in Sardinian Multiple Sclerosis population"
University of Cagliari	Neurologist	2012	Research Thesis on topic "Geo-Environmental Exposure and Risk of Multiple Sclerosis in South-Western Sardinia"
University of Cagliari	Research Fellow	2013-2016	Environmental factors and the risk of Multiple Sclerosis in Sardinian Population
University of Cagliari	Researcher (RTD A)	2016	Multiple Sclerosis

Research and Professional Experience

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

2007-2012: Resident in Neurology, University of Cagliari

Oct-dic 2012: Scientific Responsibility for the research titled "Creation of a predictive model of autoimmunity in Sardinia based on the interaction between genes and environment: study of the association between Mycobacterium Avium Subspecies paratuberculosis with multiple sclerosis and type 1 diabetes mellitus", University of Cagliari

2013-2016: Research fellow at the Department of Medical Sciences and Public Health, University of Cagliari

Jul-Sep 2016: Scientific Responsibility for the study titled "Analysis of brain atrophy in Multiple Sclerosis", University of Cagliari

2016 to date: Researcher (RTDA) at Department of Medical Sciences and Public Health, University of Cagliari

Oct 2017: Coordinator of the national study approved by the Italian Multiple Sclerosis Registry, Italian Multiple Sclerosis Onlus Foundation (FISM) - Aldo Moro University of Bari (UNIBA) titled "Clinical characteristics and disease outcomes of late onset Multiple Sclerosis: a retrospective multicenter study "

Gen 2017: Scientific Responsibility for the research fellow titled "Metabolomic profiles of MS patients and relationship with genetic, clinic features and disease modifying treatments"

2012 to date: participation at the national research group MS RUN supported by the Merck Serono Foundation

2012 to date: member of the Italian Society of Neurology (SIN) and participation at the Italian Multiple Sclerosis Study Group

2012 to date: participation as co-investigator in several international Phase II, III and IV pharmacological clinical trials and observational studies in the field of multiple sclerosis

Sep 2014: certification of "Essential good clinical practice" issued by Brookwood International Academy certifying experience in International Clinical Trials

Reviewer for several international neurological journals

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.

50 publications in neurological journals

- 1: Steri M, Orrù V, Idda ML, Overexpression of the Cytokine BAFF and Autoimmunity Risk. *N Engl J Med*. 2017 Apr 27;376(17):1615-1626.
2. Lorefice L, Fenu G, Gerevini S, et al. PML in a person with multiple sclerosis: Is teriflunomide the felon? *Neurology*. 2018 Jan 9;90(2):83-85.
- 3: Lorefice L, Fenu G, Sardu C, et al. Multiple sclerosis and HLA genotypes: A possible influence on brain atrophy. *Mult Scler*. 2017 Nov 1:1352458517739989.
- 4: Lorefice L, Coghe G, Fenu G, et al. 'Timed up and go' and brain atrophy: a preliminary MRI study to assess functional mobility performance in multiple sclerosis. *J Neurol*. 2017 Nov;264(11):2201-2204.
- 5: Lorefice L, Fenu G, Frau J, et al. The burden of multiple sclerosis and patients' coping strategies. *BMJ Support Palliat Care*. 2017 Jun 24. pii: bmjspcare-2017-001324. doi: 10.1136/bmjspcare-2017-001324. [Epub ahead of print] PubMed PMID: 28647714.
- 6: Lorefice L, Fenu G, Cabras F, et al. An unusual infection in MS patient treated with dimethyl fumarate: A case report of omphalitis. *Mult Scler Relat Disord*. 2016 May;7:65-7.
- 7: Lorefice L, Murru MR, Fenu G, et al. A genetic association study of two genes linked to neurodegeneration in a Sardinian multiple sclerosis population: the TARDBP Ala382Thr mutation and C9orf72 expansion. *J Neurol Sci*. 2015 Oct 15;357(1-2):229-34.
- 8: Lorefice L, Tranquilli S, Fenu G, et al. A genetic study of the FMR1 gene in a Sardinian multiple sclerosis population. *Neurol Sci*. 2015 Dec;36(12):2213-20.
- 9: Lorefice L, Fenu G, Frau J, et al. Oral agents in multiple sclerosis. *Antiinflamm Antiallergy Agents Med Chem*. 2015;14(1):15-25.
- 10: Lorefice L, Fenu G, Trincas G, et al. Progressive multiple sclerosis and mood disorders. *Neurol Sci*. 2015 Sep;36(9):1625-31.
- 11: Lorefice L, Mura G, Coni G, et al. What do multiple sclerosis patients and their caregivers perceive as unmet needs? *BMC Neurol*. 2013 Nov 15;13:177.
- 12: Martinelli V, Cocco E, Capra R, et al. Acute myeloid leukemia in Italian patients with multiple sclerosis treated with mitoxantrone. *Neurology*. 2011 Nov 22;77(21):1887-95.
- 13: Frau J, Villar LM, Sardu C, et al. Intrathecal oligoclonal bands synthesis in multiple sclerosis: is it always a prognostic factor? *J Neurol*. 2017 Dec 22.
14. Frau J, Carai M, Coghe G, et al. Long-term follow-up more than 10 years after HSCT: a monocentric experience. *J Neurol*. 2017 Dec 21.

Firma

