

BIOGRAPHICAL SKETCH
Complete for each professional associated with the project

Name: Cocco Eleonora, MD	Position/ Title: Associate Professor of Neurology Director of the Multiple sclerosis center of Cagliari
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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	Doctoral degree medicine and surgery (MD equivalent),	1998	Medicine
University of Cagliari	Residency	2003	Neurology
ISTUD Foundation	Master	2015	Narrative Medicine

Research and Professional Experience

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

Previous positions:

- Resident in Neurology at Multiple Sclerosis Center, University of Cagliari-ASL 8 Cagliari, Italy (1998-2002)
- Researcher in Neurology, Department of Public Health, Clinical and Molecular Medicine University of Cagliari (2002- 2014)
- Neurologist at the Multiple Sclerosis Center, University of Cagliari-ASL 8 Cagliari, Italy (2002- December 2014)
- Visiting Research Scientist at the H. Houston Merritt Clinical Research of the Department of Neurology, Columbia University Medical Center in New York City (US) from September 1st, 2006 to November 17, 2006 and from November 5th 2007 to 29th April 2008.

Actual position:

- Director of the Regional Center for the diagnosis and the cure of Multiple sclerosis, ATS Sardegna – University of Cagliari (February 1st 2017 – ongoing)
- Associate Professor of Neurology, Department of Public Health, Clinical and Molecular Medicine University of Cagliari (2014- ongoing)

Scientific Awards

2001 AINI Prize “Marco Vergelli” with the study: “Patients with multiple sclerosis and risk of type 1 diabetes mellitus in Sardinia, Italy: a cohort study”

2008 “Rita Levi Montalcini” Award for multiple sclerosis research (FISM)

Lectures and teaching experience:

Invited speaker at numerous national and international meetings.

Teaching experience:

- Since 2002 Teacher of neurology in the Faculty of Medicine and surgery, University of Cagliari.
- Since 2007 Teacher of neurology in the specialist master degree: “ Motor science preventive and adaptive”
- Since 2007 Teacher of neurology in the specialist degree “Sanitary Assistant”
- Since 2002 teacher in the following post graduate school of specializations: Neurology in Pediatric Neuropsychiatry, Neurology in endocrinology, Neurology in Physical Medicine, Neuroimmunology in Neurology, Neurogenetic in Neurophysiopathology.

RESEARCH PROJECTS AND FUNDING

- Scientific responsible of the project: Role of the mitochondrial genome in the primary progressive multiple sclerosis. "Start up young researcher" University of Cagliari (2007)
- Participant: in the strategic project of the Health Ministry (Grant 2007) titled: Pathogenesis, diagnosis and therapy of multiple sclerosis in the line of the new emerging hypothesis of the role of the genes and environment interactions (Principal investigator Dr. Francesca Aloisi (ISS)).
- Scientific responsible of the project “ Role of the mitochondrial genome in the primary progressive multiple sclerosis” granted in 2007 by the Italian foundation of multiple sclerosis (FISM) (International call, peer review)

- Participant in the project PRIN 2008: From the identification of the ereditable and not causative factors to the study of their interactions (National Coordinator Prof. MG Marrosu)
- Coordinator of the unit in the multicenter project granted by FISM in the year 2011 (International call, and peer review): Analysis of the Epstein-Barr virus infection and the immuno response in the cerebro spinal fluid and blood of patients with multiple sclerosis by high sensitive PCR methods. National coordinator Dr. Francesca Aloisi (ISS)
- Participation as researcher in many projects funded by Sardinia region:
 - o RAS 2008 "Creation of a predictive model of autoimmunity in Sardinia based on the interaction between gene and environment: study of the association between the mycobacterium avium subspecies paratuberculosis and multiple sclerosis and type 1 diabetes "
 - o RAS 2010: "Metabolomic study searching new predictive and prognostic markers in multiple sclerosis"
 - o RAS 2010 "Adaptive motor activity and multiple sclerosis".
- National coordinator (2012- ongoing) of the project "Horse rehabilitation in multiple sclerosis" granted by the "Federazione Equestre internazionale (FEI).
- Scientific responsible of the multicenter project "Geoepidemiology of multiple sclerosis." Granted by FISM in the year 2012 (International call, peer reviewed)
- Coordinator of the unit: in the study "Defining the gut microbial composition and function in MS patients through meta-genomic sequencing, targeted 16S RNA sequencing and fecal metaproteome screening" granted by the National Multiple Sclerosis Society (NMSS) call spring 2014. Coordinator Dr. Zoledziewska del National Research Center (CNR).
- Scientific Responsible of the project "DREAMS Device for REhAbilitation in Multiple Sclerosis" granted by University of Cagliari with European community funds.
- Coordinator of the unit in the multicenter project granted by FISM in the year 2014 (International call, and peer review): Analysis of the Epstein-Barr virus infection and the immuno response in the cerebro spinal fluid and blood of patients with multiple sclerosis. National coordinator Dr. Francesca Aloisi (ISS)
- Granted as scientific referent by the Banco di Sardegna Foundation for the years: 2009, 2010, 2011, 2012, 2013, 2014 and 2015.

CLINICAL RESEARCH EXPERIENCE:

Co investigator as treating and examining physician in numerous (more then 20) international pharmacological clinical trials (phase II, III and IV) in multiple sclerosis.

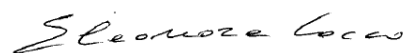
Publications

LIST OF PUBLICATIONS

Selected PEER-REVIEWED ARTICLES OF THE LAST 2 YEARS:

- Steri M, et al Overexpression of the Cytokine BAFF and Autoimmunity Risk. N Engl J Med. 2017 Apr 27;376(17):1615-1626.
- Iaffaldano P, et al Ann Neurol. 2017 Apr 25. doi: 10.1002/ana.24938. [Epub ahead of print] PubMed PMID: 28439957.
- Ferraro D, et al A multicenter study on the diagnostic significance of a single cerebrospinal fluid IgG band. J Neurol. 2017 Apr 5. doi: 10.1007/s00415-017-8480-5.
- Pau M, Corona F, Coghe G, Marongiu E, Loi A, Crisafulli A, Concu A, Galli M, Marrosu MG, **Cocco E**. Quantitative assessment of the effects of 6 months of adapted physical activity on gait in people with multiple sclerosis: a randomized controlled trial. Disabil Rehabil. 2017 Jan 13:1-11.
- **Cocco E**, Caoci A, Loreface L, Marrosu MG. Perception of risk and shared decision making process in multiple sclerosis. Expert Rev Neurother. 2017 Feb;17(2):173-180.
- Pau M, Caggiari S, Mura A, Corona F, Leban B, Coghe G, Loreface L, Marrosu MG, **Cocco E**. Clinical assessment of gait in individuals with multiple sclerosis using wearable inertial sensors: Comparison with patient-based measure. Mult Scler Relat Disord. 2016 Nov;10:187-191.
- Monti MC, Guido D, Montomoli C, Sardu C, Sanna A, Pretti S, Loreface L, Marrosu MG, Valera P, **Cocco E**. Is Geo-Environmental Exposure a Risk Factor for Multiple Sclerosis? A Population-Based Cross-Sectional Study in South-Western Sardinia. PLoS One. 2016 Sep 26;11(9).
- Frau J, Cossu D, Sardu C, Mameli G, Coghe G, Loreface L, Fenu G, Tranquilli S, Sechi LA, Marrosu MG, **Cocco E**. Combining HLA-DRB1-DQB1 and Mycobacterium Avium Subspecies Paratuberculosis (MAP) antibodies in Sardinian multiple sclerosis patients: associated or independent risk factors? BMC Neurol. 2016 Aug 23;16(1):148..
- Benoit A, et al History of multiple sclerosis in 2 successive pregnancies: A French and Italian cohort. Neurology. 2016 Sep 27;87(13):1360-7.
- Mameli G, **Cocco E**, Frau J, Arru G, Caggiu E, Marrosu MG, Sechi LA. Serum BAFF levels, Methyprednisolone therapy, Epstein-Barr Virus and Mycobacterium avium subsp. paratuberculosis infection in Multiple Sclerosis patients. Sci Rep. 2016 Jul 7;6:29268.
- Sormani MP, et al Assessing response to interferon- β in a multicenter dataset of patients with MS. Neurology. 2016 Jul 12;87(2):134-40.
- **Cocco E**, et al. (1)H-NMR analysis provides a metabolomic profile of patients with multiple sclerosis. Neurol Neuroimmunol Neuroinflamm. 2015 Dec 24;3(1):e185.
- Pau M, Coghe G, Corona F, Leban B, Marrosu MG, **Cocco E**. Effectiveness and Limitations of Unsupervised Home-Based Balance Rehabilitation with Nintendo Wii in People with Multiple Sclerosis. Biomed Res Int. 2015;2015:916478.
- Pau M, Coghe G, Corona F, Marrosu MG, **Cocco E**. Effect of spasticity on kinematics of gait and muscular activation in people with Multiple Sclerosis. J Neurol Sci. 2015 Nov 15;358(1-2):339-44.
- Coghe G, Pau M, Corona F, Frau J, Loreface L, Fenu G, Spinicci G, Mamusa E, Musu L, Massole S, Massa R, Marrosu MG, **Cocco E**. Walking improvements with nabiximols in patients with multiple sclerosis. J Neurol. 2015 Nov;262(11):2472-7. doi: 10.1007/s00415-015-7866-5.
- **Cocco E**, et al. Influence of treatments in multiple sclerosis disability: A cohort study. Mult Scler. 2015 Apr;21(4):433-41.

Firma



Cagliari 12 Maggio 2017

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Revised 6/08

Application. Do NOT use suffixes such as 6a, 6b