

BIOGRAPHICAL SKETCH

Education

Institution and Location	Degree	Year Conferred	Field of Study
Catholic University in Rome, Italy.	Medicine	2003	Neurology (Chronic headaches)
Catholic University in Rome, Italy.	Specialization in Neurology	2008	Neurology (Medication Overuse Headache)
University of Modena and Reggio Emilia	PhD in Neurosciences	2014	Neurology (Prognostic factors in Multiple Sclerosis)
University of Modena and Reggio Emilia	Corso di Perfezionamento (training program) (400 hours)	2010	Applied statistics
University of Modena and Reggio Emilia	Corso di Perfezionamento (training program) (84 hours)	2014	Cochrane Systematic Reviews and Meta-analyses

Research and Professional Experience

Since 1/2/2009:

Neurology consultant in the Center for Demyelinating Diseases and in the Neurology Unit of the Nuovo Ospedale Civile Sant'Agostino Estense, Modena.

From 16/01/2009 to 31/12/2010:

Research grant at the Department of Neurosciences of the University of Modena and Reggio Emilia, Modena, for the study of prognostic factors in Multiple Sclerosis.

From 1/1/2011 to 31/12/2013:

PhD student in Neurosciences at the University of Modena and Reggio Emilia, Modena. Thesis on the role of cerebrospinal fluid oligoclonal IgM bands in predicting conversion to Multiple Sclerosis in patients with Clinically Isolated Syndrome.

Since 2/3/2015:

Researcher (RTD-A) in Neurology at the Department of Biomedical, Metabolic and Neurosciences of the University of Modena and Reggio Emilia, Modena.

Since October 2016:

Quality supervisor of the Clinical Neurosciences Section of the Department of Biomedical, Metabolic and Neurosciences of the University of Modena and Reggio Emilia.

TEACHING ACTIVITY

Since Academic year 2016/2017:

- Clinical medical sciences 2; Degree Course: DIETETICS; Department of Diagnostic Medicine, Clinical and Health public, University of Modena and Reggio Emilia
- Diseases of the nervous system; Single-Cycle Master Degrees: MEDICINE AND SURGERY (D.M.270/04)

Department of Biomedical, Metabolic and Neurosciences; University of Modena and Reggio Emilia

- Nursing in chronicity; Degree Course: NURSING (REGGIO EMILIA) (D.M.270/04)
Department of Surgical, Medical, Dental and Morphological Sciences with Interest transplant, Oncological and Regenerative Medicine; University of Modena and Reggio Emilia

FUNDING OF RESEARCH PROJECTS

- 2011: Co-investigator of pilot project on "Polyfunctionality of peripheral iNKT cells as an immunological marker of different forms of Multiple Sclerosis" funded by Fondazione Italiana Sclerosi Multipla (FISM) (PI: Prof. Andrea Cossarizza, University of Modena and Reggio Emilia, Modena).
- 2012: Co-investigator of full project on "Polyfunctionality of peripheral iNKT cells as an immunological marker of different forms of Multiple Sclerosis and following different treatments" funded by Fondazione Italiana Sclerosi Multipla (FISM) (PI: Prof. Andrea Cossarizza, University of Modena and Reggio Emilia, Modena). 3
- 2014: Co-investigator of pilot project on "Respiration and glycolysis in lymphocytes from patients with different forms of Multiple Sclerosis funded by Fondazione Italiana Sclerosi Multipla (FISM) (PI: Prof. Marcello Pinti, University of Modena and Reggio Emilia, Modena).
- 2016: Co-investigator of full project on "Regulation of cell metabolism in lymphocytes from patients with progressive forms of multiple sclerosis" funded by Fondazione Italiana Sclerosi Multipla (FISM) (PI: Prof. Marcello Pinti, University of Modena and Reggio Emilia, Modena).

Publications (DO NOT exceed one page)

1. **Ferraro D**, Simone AM, Adani G, Vitetta F, Mauri C, Strumia S, Senesi C, Curti E, Baldi E, Santangelo M, Montepietra S, Immovilli P, Guareschi A, Neri W, Granella F, Caniatti L, Tola MR, Motti L, Pesci I, Montanari E, Sola P. Definitive childlessness in women with multiple sclerosis: a multicenter study. *Neurol Sci*. 2017 May 24. doi: 10.1007/s10072-017-2999-1. [Epub ahead of print]
2. **Ferraro D**, Franciotta D, Bedin R, Solaro C, Cocco E, Santangelo M, Immovilli P, Gajofatto A, Calabrese M, Di Filippo M, Orlandi R, Simone AM, Vitetta F, Capello E, Giunti D, Murialdo A, Frau J, Mariotto S, Gallina A, Gasperini C, Sola P; RIREMS group (Rising Italian Researchers in Multiple Sclerosis). A multicenter study on the diagnostic significance of a single cerebrospinal fluid IgG band. *J Neurol*. 2017 May;264(5):973-978.
3. Bianchini E, De Biasi S, Simone AM, **Ferraro D**, Sola P, Cossarizza A, Pinti M. Invariant natural killer T cells and mucosal-associated invariant T cells in multiple sclerosis. *Immunol Lett*. 2017 Mar;183:1-7. doi: 10.1016/j.imlet.2017.01.009. Review.
4. De Biasi S, Simone AM, Nasi M, Bianchini E, **Ferraro D**, Vitetta F, Gibellini L, Pinti M, Del Giovane C, Sola P, Cossarizza A. iNKT Cells in Secondary Progressive Multiple Sclerosis Patients Display Pro-inflammatory Profiles. *Front Immunol*. 2016 Nov 30;7:555
5. Fasano A, Fini N, **Ferraro D**, Ferri L, Vinceti M; Errals., Mandrioli J. Percutaneous endoscopic gastrostomy, body weight loss and survival in amyotrophic lateral sclerosis: a population-based registry study. *Amyotroph Lateral Scler Frontotemporal Degener*. 2017 Jan 11:1-10. doi: 10.1080/21678421.2016.1270325. [Epub ahead of print]
6. **Ferraro D**, Galli V, Simone AM, Bedin R, Vitetta F, Merelli E, Nichelli PF, Sola P: Cerebrospinal fluid anti-Epstein Barr Virus specific oligoclonal IgM and IgG bands in patients with Clinically Isolated and Guillain-Barré Syndrome. *J Neurovirol* 2016 *In press*
7. **Ferraro D**, Consonni D, Fini N, Fasano A, Del Giovane C; Emilia Romagna Registry for ALS (ERRALS) Group., Mandrioli J: Amyotrophic lateral sclerosis: a comparison of two staging systems in a population-based study. *Eur J Neurol*. 2016 Sep;23(9):1426-32.
8. G Giovannini, F Cavallieri, S Meletti, A Chiari, J Mandrioli, **D Ferraro**, F Valzania: Acute hemichorea as unusual first multiple sclerosis presentation *Neurology: Clinical Practice*, 10.1212/CPJ.0000000000000279
9. **Ferraro D**, Galli V, Vitetta F, Simone AM, Bedin R, Del Giovane C, et al.: Cerebrospinal fluid CXCL13 in clinically isolated syndrome patients: Association with oligoclonal IgM bands and prediction of Multiple Sclerosis diagnosis. *J Neuroimmunol* 2015 Jun 15;283:64–9.
10. **Ferraro D**, Mirante VG, Losi L, Villa E, Simone AM, Vitetta F, et al.: Methylprednisolone-induced Toxic Hepatitis After Intravenous Pulsed Therapy for Multiple Sclerosis Relapses. *The Neurologist* 2015 Jun;19(6):153-4.
11. Nasi M, Pinti M, De Biasi S, Gibellini L, **Ferraro D**, Mussini C, et al.: Aging with HIV infection: A journey to the center of inflammAIDS, immunosenescence and neuroHIV. *Immunol Lett* 2014 Jul 1; DOI: 10.1016/j.imlet.2014.06.012
12. Simone AM, **Ferraro D**, Vitetta F, Marasca R, Bonacorsi G, Pinelli G, et al.: Severe anemia in a patient with multiple sclerosis treated with natalizumab. *Neurology* 2014 Jul 22;83:374–5.
13. Baldi E, Guareschi A, Vitetta F, Senesi C, Curti E, Montepietra S, **Ferraro D**.: Previous treatment influences fingolimod efficacy in relapsing-remitting multiple sclerosis: results from an observational study. *Curr Med Res Opin* 2014 Sep;30:1849–55.
14. **Ferraro D**, De Biasi S, Vitetta F, Simone AM, Federzoni L, Borghi V, et al.: Recurrent varicella following steroids and fingolimod in a Multiple Sclerosis patient. *J Neuroimmune Pharmacol* 2013 Dec;8:1059–61.
15. **Ferraro D**, Federzoni L, Vitetta F, Simone A, Cossarizza A, Nichelli P, et al.: Frequent early multiple sclerosis relapses during treatment with fingolimod: a paradoxical effect? *Mult Scler* 2013 Oct;19:1550.
16. **Ferraro D**, Simone AM, Bedin R, Galli V, Vitetta F, Federzoni L, et al.: Cerebrospinal fluid oligoclonal IgM bands predict early conversion to clinically definite multiple sclerosis in patients with Clinically Isolated Syndrome. *J Neuroimmunol* 2013 Apr 15;257:76–81.
17. **Ferraro D**, Vollono C, Miliucci R, Viridis D, De Armas L, Pazzaglia C, et al.: Habituation to pain in “medication overuse headache”: a CO2 laser-evoked potential study. *Headache* 2012 May;52:792–807.
18. **Ferraro D**, Simone AM, Merelli E, Mandrioli J, Molinari MA, Nichelli PF, et al.: Isolated progressive cognitive impairment and depression in a patient with neuroradiological features suggestive of multiple sclerosis. *Neurol Sci* 2011 Aug;32:695–7.
19. Sola P, Mandrioli J, Simone AM, **Ferraro D** et al.: Primary progressive versus relapsing-onset multiple sclerosis:

presence and prognostic value of cerebrospinal fluid oligoclonal IgM. *Mult Scler* 2011 Mar;17:303–11.

Firma