CURRICULUM VITAE

PERSONAL DATA

Name   RICCARDO NISTRI

Research Experience

Jan 2022 - ongoing: **Clinical Research Fellow, Neurofarba Department, Florence University, Italy**
Research Project: Investigating the role of central vein sign, cortical lesions and paramagnetic rim lesions to differentiate MS from MS-mimics and study the effects of disease modifying treatments.
Supervisor: Prof. Massacesi

Jan 2022- ongoing: **PhD student, Department of Neurosciences, Sapienza University of Rome, Italy**.
Research Projects: Real-world efficacy of ocrelizumab in progressive MS; use of wearable devices in people MS.
Supervisors: Prof. C. Pozzilli & Prof C. Gasperini.

Nov 2021-ongoing: **Special volunteer, National Institute of Health, NINDS**.
Supervisor: Dr I. Cortese

Feb 2021 - Nov 2021: **Visiting Fellow, Translational Neuroradiology Section (TNS) lab, National Institute of Health, NINDS**.
Research project: Use of MRI T2* and machine learning in PML;
Supervisors: Dr I. Cortese and Prof. D. Reich

Education

Dec 2017 – Jan 2022: **Certificate of Completion of Training in Neurology** with honours, Sapienza University of Rome. Dissertation title: *"A cross sectional and longitudinal exploration of white matter and grey matter MRI findings in PML"*. Supervisors: Prof. C. Pozzilli & Prof C. Gasperini.

Feb 2017 – Mar 2017: **Medical professional registration "Ordine dei Medici" (Medical Council) of Florence, Italy**

Oct 2010 – Oct 2016: **Degree in Medicine and General Surgery** with Honours, School of Medicine, Florence University. Dissertation title: *"Efficacy comparison between conventional therapies and autologous hematopoietic stem cells transplantation in patients with multiple sclerosis after discontinuation of Natalizumab"*.

Further Education: training and courses

8-10 November 2022: **ECTRIMS Winter School, Barcelona, Spain**; I was admitted to this course after a competitive process based on my CV and my

motivation.

Feb 2020 and April 2021:	**Neurostatus certification level C**
Nov 2022:	**Good Clinical Practice (Investigator Version)**
Feb 2015 – Jun 2015:	Erasmus Programme, Faculty of Medicine, Wroclaw University (Poland), (courses in English) - Clinical rotation: anaesthesiology, radiology, cardiology, cardiac surgery, internal medicine, general surgery
Mar 2013- Apr 2014:	**Basic Japanese classes at the "Scuola Toscana" of Florence**
Oct 2010 - Jun 2017:	**English courses at the British Institute of Florence:**

- English certificate level B2
- Advanced conversation classes

Work Experience

Nov 2018 – ongoing:	*Regular Neurology & Specialist MS Outpatient Clinic in Rome (2018-2021) and Florence*
Nov 2018 – Jan 2022:	*MS Clinical Trials assessor and sub-investigator for commercial studies (Classic-MS, Paediatric FTY720D2311, Passage, Operetta, Consonance, Liberto)*
Jan 2020 – Jan 2021:	*Optical Coherence Tomography (OCT) operator*
Jul 2017:	Medical On Call service (Urgent Care Service), Italian National Health Service in the territory of Florence Province, Italy

Neuroimaging analysis and statistical system knowledge

- SPSS (IBM programme for statistical analysis)
- ITK-SNAP (neuroimaging programme for manual segmentations)
- MIPAV (neuroimaging programme for MRI visualization, analysis and segmentation)
- FreeSurfer (software for brain volume analysis)

Language Skills

Italian: Mother tongue
English: B2

Hobbies

Politics, sports (basketball, football, tennis, chess), history.

Publications

- G. Boffa, A. Signori, L. Massacesi, A. Mariottini, E. Sbragia, S. Cottone, M. P. Amato, C. Gasperini, L. Moiola, S. Meletti, A. M. Repice, V. Brescia Morra, G. Salemi, F. Patti, M. Filippi, G. De Luca, G. Lus, M. Zaffaroni, P. Sola, A. Conte, **R. Nistri**, U. Aguglia, F. Granella, S. Galgani, L. M. Caniatti, A. Lugaresi, S. Romano, P. Iaffaldano, E. Cocco, R. Saccardi, E. Angelucci, M. Troiano, G. L. Mancardi, M. P. Sormani, and M. Inglese. *"Hematopoietic Stem Cell Transplantation In People With Active Secondary Progressive Multiple Sclerosis"*. Neurology 2022, *In Press*

- V. Rinaldi, G. Bellucci, M. Buscarinu, R. Renie, A. Marrone, **R. Nistri**, R. Palumbo, A. Salerno, G. Ristori, M. Salvetti. *"CNS inflammatory demyelinating events after COVID-19 vaccines: a case series and systematic review"*. Frontiers in Neurology 2022, *In Press*

- F. Felicetti, S. Tommasin, M. Petracca, L. De Giglio, F. Gurreri, A. Ianniello, **R. Nistri**, C. Pozzilli, S. Ruggieri. *"Eating hubs in Multiple Sclerosis: exploring the relationship between Mediterranean Diet and disability status in Italy"*. Frontiers Nutrition 2022 Jun 16;9:882426.

- **R. Nistri**, E. Barbuti, V. Rinaldi, L. Tufano, V. Pozzilli, A. Ianniello, F. Marinelli, G. De Luca, L. Prosperini, V. Tomassini, C. Pozzilli. *Case Report: Multiple Sclerosis Relapses After Vaccination Against SARS-CoV2: A Series of Clinical Cases"*. Frontiers in Neurology, 2021 Oct 22;12:765954.

- A.Mariottini, C. Innocenti, B. Forci, E.Magnani, C. Mechi, A. Barilaro, **R. Nistri**, A. Fani, R. Saccardi, L. Massacesi, A.M. Repice. *"Safety and efficacy of autologous hematopoietic stem-cell transplantation following Natalizumab discontinuation in aggressive multiple sclerosis"*. Eur J Neurol, 2019 Apr;26(4):624-630.

Papers in preparation

- **R. Nistri**, A. Mariottini, V. Rinaldi, M. Di Cristinzi, A. Bertozzi, E. Barbuti, L. Marchi, A. Ianniello, V. Baione, A. Conte, C. Pozzilli, A. M. Repice & L. Massacesi. *Multiple sclerosis clinical onset and reactivation after Sars-Cov2 vaccination"*.

- Mariottini, **R. Nistri**, C. Innocenti, A. Lotti, A. Bertozzi, L. Massacesi, R. Saccardi, A. M. Repice. *"Unexpected" multiple sclerosis reactivation after SARS-Cov2 vaccination interrupts disease remission induced by hematopoietic stem cell transplantation: a case report"*.

Congress Abstracts

- **R. Nistri**, L. Marchi, A. Mariottini S. Filippini, A. Bertozzi, M. Di Cristinzi, E. Fainardi, A. M. Repice and L. Massacesi. *"Evaluation of paramagnetic rim lesions as a marker of disability"*, Poster Presentation, ECTRIMS 2022.

Goals for training and future career plans

I recently completed my specialty training in neurology. I enjoyed learning different clinical profiles of the major neurological disorders. During my training, though, I became more and more passionate about MS, feeling an inner drive to continue my studies in that field.

In fact, in 2022, I started a PhD in Rome, which is focused on the development of MRI biomarkers of disease progression with the potential of being applied into clinical practice.

My goal is to investigate new MRI features to track disease progression before severe irreversible disability occurs; to do that, I need to expand my knowledge on novel neuroimaging biomarkers in MS and research methods. Joining an international centre such as the Queen Square MS Centre in London, and taking part in an international multi-centre study, such as the one that can be done within the MAGNIMS Network, would give me the foundation and tools to move in the right direction to achieve my goal.

As for the future, I plan to complete my PhD in October 2024 and, after that, I would like to apply for funding to start an independent research career and create my group with the aim to keep investigating markers of disease progression.

As a neurologist, though, my desire is to keep providing clinical care for people with MS, alongside research activity, which will help in my future skills from the bench to the bedside.