

Sara Mariotto, M.D. PhD

CURRICULUM VITAE ET STUDIORUM

Personal statement:

Sara Mariotto was born in Verona on 13-03-1985. She got her high school diploma at the “Scipione Maffei Institute” (classical studies) in 2004 with a score of 100/100 cum laude and graduated in Medicine and Surgery in July 2010 at the University of Verona, with a thesis entitled “Study of the Cingulate Anterior Cortex in Frontotemporal Dementia” obtaining a score of 110/110 cum laude. In July 2016 she specialised in Neurology with a thesis entitled “Diagnostic role of serum anti-myelin oligodendrocyte glycoprotein antibodies in patients with suspected neuromyelitis optica seronegative for anti-aquaporin-4 antibodies” obtaining a score of 70/70 cum laude. She then completed a 3-year PhD in the Graduate School of Life and Health Sciences, Doctoral program in Neuroscience, Psychological and Psychiatric Sciences, and Movement Sciences at the Department of Neurosciences, Biomedicine, and Movement Sciences, University Hospital of Verona, Italy, defending her doctoral thesis entitled “Neurofilament light chain levels in patients with antibodies to myelin oligodendrocyte glycoprotein (MOG-Abs)” in May, 2020 with a positive result. She also obtained the certificate of Doctor Europaeus. During her 3-years PhD she performed clinical activity with night-shift as a neurologist at the Neurology Unit, University of Verona (5 *per* months). Her research areas include neuroimmunology, neuroinfectivology, neuropathology, and peripheral nerve diseases. Her principal field of interest is the study of autoimmune/inflammatory encephalitis, encephalomyelitis, and peripheral inflammatory neuropathies. In relation to these topics, she studied antibody-mediated disorders of the CNS under the supervision of Prof. Markus Reindl, learning anti-MOG antibodies detection/IgG subclass analysis with cell-based assay, peripheral blood mononuclear cells isolation, and the detection of cytokines in serum and CSF with ELISA during her fellowship at the Clinical Department of Neurology, Medical University of Innsbruck (March-October 2017). She also spent a period (October 2017) at the Institute of Neurology, Medical University of Vienna learning new techniques for the diagnosis of autoimmune encephalitis, under the supervision of Prof. Romana Höftberger. During her residency and PhD she actively participated to the clinical and research activities and study design on central and peripheral nervous system inflammatory and autoimmune conditions. In particular, she introduced novel diagnostic and prognostic assays in the diagnostic workup of the Laboratory of

Neuropathology, designed scientific collaborative studies, and she presented research results at national and international meetings on these topics. After her PhD she was awarded an 8-month scholarship (October-May 2020) on the study of diagnostic and prognostic test in antibody-mediated encephalitis and neuromyelitis optica. From December, 2020 to October 2021 she worked as a Junior Researcher at the Neurology Unit, University and AOUI of Verona, Italy. Since then, we works as a Neurologist at the AOUI Verona, Italy.

She obtained the National associated professor qualification (Neurology) on 28/01/2022.

Skills:

- Immunohistochemistry and immunofluorescence techniques, cell-based assay, ELISA, PBMC isolation
- Optic and fluorescence microscopy
- Nerve and skin biopsy
- Clinical neurology
- Neurophysiology and EEG

Publications:

1. Monaco S, **Mariotto S**, Ferrari S. Peripheral neuropathy and central nervous system involvement in Cryoglobulinemia. In F. Dammacco (ed.), HCV Infection and Cryoglobulinemia, Springer-Verlag; 2011.
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3. **Mariotto S**, Bianchi MR, Ferrari S, Zanusso G, Ghimenton C, Testoni M, Faccioli F, Frisoni GB, Monaco S. Cauda equina syndrome caused by lumbosacral epidural lipomatosis. A case report. Clin Neurol Neurosurg. 115: 1549-51; 2013.
4. Stefani A, Riello M, Rossini F, **Mariotto S**, Fenzi F, Gambina A, Zanusso G, Monaco S. Neurosyphilis manifesting with rapidly progressive dementia: report of three cases. Neurol Sci. 34: 2027-30; 2013.
5. **Mariotto S**, Tamburin S, Salviati A, Ferrari S, Zoccarato M, Giometto B, Bertolasi L, Alessandrini F, Benedetti MD, Monaco S. Anti-N-methyl-d-aspartate receptor encephalitis causing a prolonged depressive disorder evolving to inflammatory brain disease. Case Rep

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6. Baldan A, Ferronato S, Olivato S, Malerba G, Scuro A, Veraldi GF, Gelati M, Ferrari S, **Mariotto S**, Pignatti PF, Mazzucco S, Gomez-Lira M. Cyclooxygenase 2, toll-like receptor 4 and interleukin 1 β mRNA expression in atherosclerotic plaques of type 2 diabetic patients. *Inflamm Res.* 63: 851-8; 2014.
 7. Delbue S, Ferrante P, **Mariotto S**, Zanusso G, Pavone A, Chinaglia M, L'Erario R, Monaco S, Ferrari S. Review of West Nile virus epidemiology in Italy and report of a case of West Nile virus encephalitis. *J Neurovirool.* 20: 437-41; 2014.
 8. **Mariotto S**, Ferrari S, Monaco S. HCV-related central and peripheral nervous system demyelinating disorders. *Inflammation and Allergy-Drug targets.* 13 (5): 299-304; 2014.
 9. **Mariotto S**, Bonetti B, Donato F, Micheletti N, Zanoni T, Moretto G, Squintani G. Ophthalmoparesis mimicking myasthenia gravis as acute manifestation of Hashimoto's encephalopathy. *J Mult Scler* 2: 134; 2015.
 10. **Mariotto S**, Ferrari S, Sorio M, Benedetti F, Tridente G, Cavallaro T, Gajofatto A, Monaco S. Brentuximab vedotin: axonal microtubule's Apollyon. *Blood Cancer J.* 5: e343; 2015.
 11. Iacono D, Ferrari S, Gelati M, Zanusso G, **Mariotto S**, Monaco S. Sporadic Creutzfeldt-Jakob Disease: Prion Pathology in Medulla Oblongata-Possible Routes of Infection and Host Susceptibility. *Biomed Res Int.* 2015: 396791; 2015.
 12. Monaco S, **Mariotto S**, Ferrari S, Calabrese M, Zanusso G, Gajofatto A, Sansonno D, Dammacco F. Hepatitis C virus-associated neurocognitive and neuropsychiatric disorders: Advances in 2015. *WJ Gastroenterol.* 21: 11974-83; 2015.
 13. Ferrari S, **Mariotto S**, Cavallaro T, Fabrizi GM, Monaco S. Infectious neuropathies in C. Angelini (ed.), Springer International Publishing Switzerland. *Acquired Neuromuscular Disorders: Pathogenesis, Diagnosis and Treatment.* DOI 10.1007/978-3-319-29514-5_19; 2016.
 14. Erro R, Bozzetti S, Goffi F, **Mariotto S**, Tinazzi M. L-Dopa-induced off: functional overlay in Parkinson disease. *J Neurol Sci.* 365: 1-2; 2016.
 15. Bartolo M, CHIÒ A, Ferrari S, Tassorelli C, Tamburin S, Avenali M, Azicnuda E, Calvo A, Caraceni AT, Defazio G, DE Icco R, Formisano R, Franzoni S, Greco E, Jedrychowska I, Magrinelli F, Manera U, Marchioni E, **Mariotto S**, Monaco S, Pace A, Saviola D, Springhetti I, Tinazzi M, DE Tanti A; Italian Consensus Conference on Pain in Neurorehabilitation (ICCPN). Assessing and treating pain in movement disorders, amyotrophic lateral sclerosis, severe acquired brain injury, disorders of consciousness, dementia, oncology and neuroinfectivology. Evidence and recommendations from the Italian Consensus Conference on Pain in Neurorehabilitation. *Eur J Phys Rehabil Med.* 52: 841-54; 2016.

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35. **Mariotto S**, Ferrari S, Monaco S. Brentuximab vedotin-induced peripheral neuropathy: looking at microtubules. *Journal of Neuro-Oncology.* 137: 665-6; 2018.
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Platform presentations:

- *Sporadic CJD: focusing on the pathology of specific brainstem nuclei and cues for possible routes of infection.* At the “47th AINP and 37th AIRIC Congress”, Genova, 05/2011.
- *Neurological complication of HCV infection.* At the “10th Mediterranean Neuroscience Congress, 15th Etnean Epilepsy Workshop”, Catania, 06/2012.
- *Lysosomal storage diseases.* At the “Genetic laboratory in the clinical practice”, Verona, 07/2012.
- *A demyelinating variant of anti-NMDA receptor encephalitis.* At the “49⁰ AINPeNC and 39⁰ AIRIC Congress”, Pisa, 06/2013 and at the “XLIV SIN National Congress”, Milano, 11/2013.
- *West Nile virus infection: neuropathological feature of an Italian case.* At the “49⁰ AINPeNC and 39⁰ AIRIC Congress”, Pisa, 06/2013.
- *Autoimmune encephalitis.* At the “11th Mediterranean Neuroscience Congress and 16th Etnean Epilepsy Workshop”, Catania, 11/2013.
- *A case of prion disorder.* At the “Update on parkinsonism and neurodegenerative disorders”, Verona, 09/2013.
- *Atypical central and peripheral demyelinating disorders in chronic HCV infection.* At the “50⁰ AINPeNC and 40⁰ AIRIC Congress”, Verbania, 06/2014.

- *Neurosyphilis manifesting with rapidly progressive dementia*. At the “New challenges in neuroinfectivology: comparison between clinical and research”, Roma, 10/2014.
- *Demyelinating complications of chronic HCV infection*. At the, “17th Etnean Epilepsy Workshop”, Catania, 11/2014.
- *Brentuximab-Vedotin a microtubule Apollyon*. At the “5° ASNP Congress”, Torino, 04/2015.
- *Anti-GAD encephalitis: an atypical clinical picture*. At the “51° AINPeNC and 41° AIRIC Congress”, Verona, 06/2015.
- *Anti-MOG antibodies in inflammatory disorders*. Seminar of the Neurology Unit, University of Verona, 2016 and seminar at the Multiple Sclerosis Unit of Montichiari, Brescia, 07/2016.
- *Panel Discussion: significant clinical parameters and role of neuroimaging as new parameter of disease*. At the “Multiple Sclerosis update course”, Treviso, 09/2016.
- *Diagnosis of autoimmune encephalitis and discussion*. At the “National Congress AMCLI”, Rimini, 11/2016.
- *Anti-MOG antibodies associated syndromes: report of 15 cases*. At the “3rd EAN Congress”, Amsterdam, 06/2017.
- *Pediatric inflammatory demyelinating conditions: the role of laboratory*. At the “Periodic Neuropsychiatric Meeting”, Verona, 01/2018 and at the “Autoimmune encephalitis and atypical demyelinating conditions”, Verona, 02/2018.
- *Anti-myelin oligodendrocyte glycoprotein (MOG) antibodies in demyelinating disorders*. At the “Open Neuroscience Forum”, Verona, 01/2018.
- *Antibody-mediated central nervous system disorders*. At the “54° AINP e NC and 44° AIRIC Congress”, Milano, 05/2018.
- *NMO and MOG: diagnostic techniques and clinical update*. At the “N-LoGiSM”, Milano, 06/2018.
- *Neurofilament light chain (NfL) serum concentration reflects disease severity in patients with MOG-Ab associated disorders*. At the “EAN congress”, Lisbon, 06/2018.
- *Serum and CSF neurofilament light chain as possible biomarker in anti-neuropil antibody-associated encephalitis*. At the “EAN congress”, Lisbon, 06/2018.
- *Plasma exchange in neurological disorders*. At the “Summer School of Apheresis and autoimmune conditions”, Rif. Galassi, Calalzo di Cadore (BL), 07/2018.
- *Primary B-cell lymphoma of the CNS and anti-NMDAR encephalitis: a unique constellation*. At the “Rapidly progressive dementia and Limbic encephalitis meeting”, Venice, 09/2018.
- *Non only Multiple Sclerosis*. At the “Theoretical and Practical Course on Multiple Sclerosis”, Brescia, 10/2018.

- *AQP4-Ab and MOG-Ab: diagnosis and clinical update.* At the “24° ELAS annual symposium”, Bologna, 11/2018.
- *Anti-MOG in encephalomyelitis.* At the “Current awareness and critical insights in clinical and experimental neuroimmunology”, Pavia, 12/2018.
- *Autoimmune encephalitis: clinical aspects and diagnosis.* At the “Autoimmune encephalitis: aetiology, diagnosis and treatment”, Como, 12/2018.
- *The Peculiarity of autoimmune diagnosis in Neurology.* At the “Pills of allergology and autoimmunity”, Udine, 02/2019.
- *Antibody-associated CNS disorders: an introduction.* At the “Antibody-associated CNS disorders and their differential diagnosis”, Verona, 02/2019.
- *Diagnosis of autoimmune encephalitis: serum and CSF biomarkers.* At the “Autoimmune encephalitis and atypical demyelinating conditions: aetiology, diagnosis and treatment”, Reggio Emilia, 09/2019.
- *The problem of anti-MOG antibodies: laboratory and clinical aspects.* At the “Update on Multiple Sclerosis”, Montichiari, Brescia, 10/2019.
- *Inflammatory demyelinating diseases: clinical aspects and diagnostic challenges.* At the “Euroimmun internal workshop on antibody-mediated disorders in Neurology”, Lubeck, 10/2019.
- *Humoral immunity.* At the “Neurologist and immunology of inflammatory CNS disorders” congress, Brescia, 11/2019.
- *Neurofilament light chain in central and peripheral nervous system conditions: beyond multiple sclerosis.* At the “Oxford Roundtable”, Oxford, 11/2019.
- *Neurofilament light chain levels in patients with antibodies to myelin oligodendrocyte glycoprotein.* At the “European NMO 2020 Meeting”, Berlin, 02/2020.
- *CSF analysis in MOG-Abs positive cases.* At the “European NMO 2020 Meeting”, Berlin, 02/2020.
- *Neurofilament light chain levels in patients with inflammatory demyelinating conditions associated with antibodies to myelin oligodendrocyte glycoprotein (MOG-Abs).* At the “European Academy of Neurology virtual congress”, 05/2020.
- *Serum Neurofilament Light Chain Levels Differentiate Spinal Cord Infarction from Inflammatory Myelopathies.* At the “European Academy of Neurology virtual congress”, 05/2020.
- *Nervous System: Subclinical Target of SARS-CoV-2 Infection.* At the “Simoa Success Webinar (online presentation)”, 11/2020.

- *Treatment of atypical demyelinating syndrome (MOG e AQP4)*. At the “Neuroimmunology: implications of the SARS-CoV-2 pandemic (online congress)”, 12/2020.
- *Immuno-mediated encephalitis and COVID-19*. At the “World week of the brain (online congress)”, 03/2021.
- *NMOSD and MOGAD: clinical, diagnostic, and therapeutic aspect*. At the “Multiple sclerosis and infectious conditions: an update”, Catania, 09/2021.
- *Limbic encephalitis*. At the “Diagnosis and treatment of neuroimmunological conditions”, Lecco, 09/2021.
- *The significance of CSF antibody testing*. At the “The Neurologist and Immunology”, Brescia, 11/2021.
- *SARS-CoV-2-related pandemic: how it influenced antibody-mediated CNS conditions and inflammatory peripheral neuropathies*. At the “Multiple Sclerosis and autoimmune CNS conditions”, Trieste, 12/2021.
- *Autoimmune encephalitis*. At the “Clinical Neuroimmunology”, Napoli, 02/2022.
- *SARS-CoV-2 and NMOSD/MOGAD*. At the European NMOSD/MOGAD meeting, Lyon, 06/2022.
- Guthy Jackson foundation round table (ask the doctors section) and patients’ meeting, Los Angeles, CA, USA, 07/2022.
- *MOG antibodies and MOGAD*. At the Neuroimmunological disease congress, from symptoms to treatment, Lecco, 09/2022.
- *Diagnosis of MOG-Abs*. At the “3rd course for the diagnosis of demyelinating conditions”, Alghero, 10/2022.
- *Clinical-laboratory discussion in the diagnosis of autoimmune neurological disorders: focus on the COVID-19 pandemic*. At the 7th National SIPmMeL congress (Italian society of clinical pathology and laboratory medicine), Riva del Garda, Trento, 10/2022.
- *Autoimmune encephalitis: an update*. At NeuroMonday of the Neurology Brescia Unit, online, 10/2022.
- *Demyelinating conditions associated with auto-antibodies: MOGAD*. At the Neurology Talk, online, 10/2022.
- *NMOSD and MOGAD: immunopathogenesis and diagnosis*. Scientific Seminar, Firenze, 11/2022.
- *PNS involvement in patients with central autoimmunity*. At the Specialised course on clinical and imaging neurophysiopathology of the peripheral nervous system, Verona, 11/2022.

- *NMOSD, MS, and MOGAD, similarities and differences.* Online patients' seminar promoted by the Sumaira Foundation, 12/2022.
- *Autoantibody profiles in Autoimmune encephalitis.* At the Clinical Neuroimmunology in Naples, II edition, Napoli, 02/2023.
- *Biosample collection: serum and CSF.* At the ACON Acute Optic Neuritis Network, Tel Aviv, 05/2023.
- *MAG-related neuropathy.* At the "Neurology Workshop", Padova, 05/2023.
- *GFAP and NfL in patients with NMOSD and MOGAD.* At the "" Fluid biomarkers and multiple sclerosis: the long road toward validation (online), 05/2023.
- *MOGAD: diagnosis and treatment.* At the "The requirement for neurological awareness in the future, young SIN event", Rimini, 05/2023.
- *Future perspective in laboratory research in MOGAD.* At the "FISM congress", Roma, 05-06/2023.
- *CSF MOG AQP4 antibody should be tested routinely with serum now.* At the MEDEN (Mogad Eugene Devic European Network) congress, Oxford, 06/2023.
- *Laboratory diagnosis in demyelinating CNS conditions.* At the Verona Multiple Sclerosis Day: MS, NMOSD, and MOGAD from diagnostic challenges to therapeutic implications, Verona, 06/2023.
- *NMOSD diagnosis and differential diagnosis.* At the Complement role in rare neurological disorders , Cagliari, 07/2023.
- *Antibody-mediated WM diseases across age (NMO&MOGAD),* Roma, 09/2023 (online)
- *NMOSD: aspetti diagnostici e terapeutici,* Pescara, 09/2023 (online)
- *MOGAD: diagnostic assays.* At the 9th Joint ECTRIMS ACTRIMS meeting, Milano, 10/2023.
- *Antibody-related diagnosis in NMOSD.* At the , "New Perspectives in NMOSD", Bologna, 11/2023.
- *Antibody-related diagnosis in NMOSD.* At the , "Corner, Expert Meeting-Focus on NMOSD", Porto San Giorgio (FM), 11/2023.
- *Neurological Complications of immune checkpoint inhibitors,* Expert Seminars for the University of Modena (online), 11/2023.
- *CSF MOG antibodies.* At the MOGAD Masterclass 2023, Oxford, UK, 12/2023.
- *NMOSD and MOGAD, CSF analysis.* At the "Update on MOGAD, NMOSD and Multiple Sclerosis", GDS Neuroophthalmology SIN meeting, Palermo, 12/2023.
- *MOG associated syndromed in adults.* At the Neuroimmunological disorders in adults and pediatrics, Lecco, 02/2024.

- *Glial and neuronal damage biomarkers in autoimmune neurology.* At the “AAN datablitz”, online, 02/2024.
- *Expert seminar at the University of Berlin: Differential diagnosis of MS: focus on NMOSD and MOGAD antibody testing and biomarker analysis.* Berlin, 02/2024.
- “Autoimmune encephalitis” At the “2° INCONTRO CUNEESE DI NEUROIMMUNOLOGIA”, online, 03/2024.
- *Laboratory diagnosis and MRI in the differential diagnosis of demyelinating conditions.* At the “Demyelinating conditions: differential diagnosis between MS, NMOSD, and MOGAD and their treatment”, Bolzano, 03/2024.
- *NMOSD and MOGAD, autoantibody testing and serostatus fluctuations.* At the “Diagnosis and treatment of autoimmune demyelinating CNS disorders and Myasthenia Gravis”, Alghero, 04/2024.
- *GFAP/NfL are useful to monitor disease activity in NMOSD and MOGAD and Working Group on Seronegative NMOSD activity presentation.* At the MEDEN 2024 meeting, Berlino, 05/2024
- “MOGAD patients should be treated with chronic immunosuppressants after first presentation: No” in the EAN/ISNI section: Controversy in management of patients with MOGAD. At the 10th EAN Congress, Helsinki, 07/2024.
- “Pitfalls in serological diagnosis and biomarkers of glial and neuronal damage in NMOSD and MOGAD ”. At the AAN Summer Conference, Atlanta, USA, 07/2024.
- *Rountable discussion on the utility of biomarkers in NMOSD/MOGAD.* At the GJF pre-ECTRIMS meeting, Copenhagen, Denmark, 09/2024
- *How to use MOG antibody testing: whatm where, and when.* At the ECTRIMS meeting (40th congress of the European Committee for Treatment and Research in Multiple Sclerosis), Copenhagen, Denmark, 09/2024.
- *Can you recognize it? Challenges in diagnosis and management of MOGAD.* At the ECTRIMS meeting (40th congress of the European Committee for Treatment and Research in Multiple Sclerosis), Copenhagen, Denmark, 09/2024.

Poster presentations:

- *IgLon5 encephalitis: between neuroinflammation and neurodegeneration.* At the “American Association of Neuropathologists Meeting”, Denver, 06/2015.
- *Relevance of serum anti-MOG antibodies for diagnosis and characterization of CNS demyelinating disorders.* At the “32nd Congress of the european committee for treatment and

research in multiple sclerosis and 21st annual conference of rehabilitation in MS”, London, 09/2016 and at the “XLVII SIN national congress”, Venezia, 10/2016.

- *Persistence of CSF anti-NMDAR antibodies after recovery from autoimmune encephalitis.* At the “XLVII SIN national congress”, Venezia, 10/2016.
- *Anti-MOG-IgG associated syndrome: report of 20 cases.* At the “XXVI AINI Congress, 16th ESNI Course”, Venezia, 06/2017.
- *Anti-MOG-IgG associated syndromes: report of 22 cases.* At the “7th Joint Ectrims-Actrims meeting”, Paris, 10/2017.
- *Serum NF-L in NMOSD and related disorders: comparison according to AQP4 and MOG antibodies status.* At the “7th Joint Ectrims-Actrims meeting”, Paris, 10/2017.
- *Comparison of IL-6 levels in CNS inflammatory conditions according to Aquaporin-4 and Myelin Oligodendrocyte Glycoprotein antibody status.* At the „American Academy of Neurology“ annual meeting, Los Angeles, 04/2018.
- *Serum Neurofilament light chain concentration correlates with cognitive impairment and brain atrophy in relapsing remitting MS.* At the „34th Congress of the european committee for treatment and research in multiple sclerosis”, Berlin, 10/2018.
- *Neurofilament light chain serum concentration reflects disease severity in patients with MOG-Ab associated disorders.* At the „34th Congress of the european committee for treatment and research in multiple sclerosis”, Berlin, 10/2018.
- *Serum and CSF neurofilament light chain as possible biomarker in anti-neuropil antibody-associated encephalitis: a multicenter study.* At „The Lancet Summit: inflammation and immunity in disorders of the brain and mind”, Barcelona, 11/2018.
- *Flotillin-1/2 autoantibodies in patients with inflammatory disorders of the CNS.* At the “71st Annual Meeting of the American Academy of Neurology”, Philadelphia, 05/2019.
- *Diagnostic relevance of testing MOG-Abs in CSF of seronegative cases.* At the “5th EAN Congress”, Oslo, 07/2019.
- *Relevance of antibodies to MOG in CSF of seronegative cases.* At the “35th ECTRIMS meeting”, Stockholm, 09/2019.
- *GABA_A receptor autoimmunity induced by Alemtuzumab treatment for MS: a case report.* At the “Encephalitis conference 2019”, London, 12/2019.
- *NMOSD Workshop: describing the diagnostic moment.* At the “Change Direction in NMOSD, across new therapeutic Horizons”, Roma, 09/2023.
- *Clinical utility of CSF MOG antibodies, NfL, and GFAP testing.* At the “UK-Childhood Neuro-Inflammatory Disorders Meeting”, 01/2024 (online).

- *MOGAD: how it differs from other neuroinflammatory disorders*. At the Clinical Neuroimmunology in Naples, Napoli, 02/2024.
- *Monitoring GFAP/NfL are useful to monitor disease activity in NMOSD and MOGAD and presentation of WG2*, MEDEN 2024 meeting, Berlino, 05/2024.
- *Treatment options in refractory autoimmune encephalitis*, seminar at the “Neurology Pills”, online, 06/2024.

Meeting organization:

- “51° AINPeNC and 41° AIRIC Congress”, Verona, 06/2015.
- “Autoimmune encephalitis: characterisation and differential diagnosis”, Verona, 30/01/2015.
- “Monthly multidisciplinary discussion of clinical cases”, University of Verona, from 2015 to 2020.
- “Encephalomyelitis: an overview”, Verona, 19/02/2016.
- “Autoimmune encephalitis and atypical demyelinating conditions”, Verona, 16/02/2018.
- “Antibody-associated CNS disorders and their differential diagnosis”, Verona, 03/2019.
- “2020 World Encephalitis day, Verona, 02/2020.
- “2021 World Encephalitis day, Online, 02/2021.
- “Autoantibodies in central and peripheral nervous system disorders”, Verona, 03/2022.
- “Autoimmune and Paraneoplastic disorders of the Central Nervous System” Verona, 17/11/2023.

Congress attendance:

- “Clinical, diagnostic and therapeutics meetings in neurology”, Verona, 16/09/2011.
- “47th AINP and 37th AIRIC Congress”, Genova, 19-21/05/2011.
- “Clinical, diagnostic and therapeutics meetings in neurology”, Verona, 16/12/2011.
- “10th Mediterranean Neuroscience Congress, 15th Etnean Epilepsy Workshop”, Catania, 06/2012.
- “Multiple Sclerosis: a different perspective; Meeting of the Italian association of Neuroepidemiology”, Verona, 02/05/2012.
- “Clinical, diagnostic and therapeutics meetings in neurology”, Verona, 14/09/2012.
- “Update on Parkinson disease and monogenic parkinsonisms”, Verona, 20/09/2012.

- “Genetic laboratory in the clinical practice”, Verona, 9 and 16/10/2012.
- “49⁰ AINPeNC and 37⁰ AIRIC Congress”, Pisa, 30/05 and 01/06/2013.
- “XLIV Congress of the Italian Society of Neurology”, Milano, 02-05/11/2013.
- “11th Mediterranean Neuroscience Congress and 16th Etnean Epilepsy Workshop”, Catania, 11/2013.
- “Update on Parkinsonism and neurodegenerative disorders”, Verona, 19/09/2013.
- “High specialized course for the staff of stroke unit in Veneto region”, Verona, 15/11/2013.
- “Cerebral hemorrhage: when blood reaches the brain”, Verona, 06/12/2013.
- “50⁰ AINPeNC and 40⁰ AIRIC Congress”, Verbania, 05-07/06/2014.
- “XLV Congress of the Italian Society of Neurology”, Cagliari, 11-13/10/2014.
- “New challenges in neuroinfectious disorders: comparison between clinical and research”, Roma, 23/10/2014.
- “17th Etnean Epilepsy Workshop”, Catania, 11/2014.
- “Autoimmune encephalitis: characterisation and differential diagnosis”, Verona, 30/01/2015.
- “Ist Meeting of Neuroautoimmunity”, Prato, 20-21/02/2015.
- “The Lancet Neurology Autoimmune Disorders Conference”, Barcelona, 26-27/03/2015.
- “Vth Meeting of the Italian Society for the Peripheral Nervous System Study”, Torino, 09-11/04/2015.
- “Neuropathology and autoimmunity”, Verona, 04/06/2015.
- “51^o Congress of the Italian society of Neuropathology and Clinical Neurobiology; 41^o Congress of the Italian Society for the research in brain aging”, Verona, 4-6/06/2015.
- “91st Annual Meeting of the American Association of Neuropathologists”, Denver, USA, 11-14/06/2015.
- “Clinical and therapeutic approach to acute neuromuscular disorders”, Modena, 13/11/2015.
- “Recent advantages in virus-induced and autoimmune liver damage”, Bari, 04/12/2015.
- “Change of perspective about placebo, pregnancy and Devic”, Orbassano, 05/02/2016.
- “Encephalomyelitis: an overview”, Verona, 19/02/2016.
- “VI Meeting of the Italian Society for the Peripheral Nervous System Study”, Mondello, 14-16/04/2016.
- “XXV AINI Congress”, Lecce, 11-14/05/2016.
- “Extrahepatic complications of HCV: new therapeutic perspectives”, Bologna, 26/05/2016.
- “32nd Congress of the European Committee for Treatment and Research in Multiple Sclerosis and 21st annual conference of rehabilitation in MS”, London, 14-17/09/2016.

- “XLVII SIN national congress”, Venezia, 22-25/10/2016.
- “National Congress AMCLI”, Rimini, 6-9/11/2016.
- “3rd Congress of the European Academy of Neurology”, Amsterdam 24-27/06/2017.
- “XXVI AINI Congress, 16th ESNI Course”, Venezia, 26-30/06/2017.
- “7th Joint Ectrims-Actrims meeting”, Paris, 25-28/09/2017.
- “Autoimmune encephalitis and atypical demyelinating conditions”, Verona, 16/02/2018.
- “10 th Internation NMO meeting Roundtable Conference”, Los Angeles, 21/04/2018.
- “2018 American Academy of Neurology annual meeting”, Los Angeles, 21-27/04/2018.
- “54° AINP e NC and 44° AIRIC Congress”, Milano, 17-19/05/2018.
- “N-LoGiSM”, Milano, 6/06/2018.
- “European Academy of Neurology (EAN)” annual meeting, Lisbon, 16-19/06/2018.
- “Summer School of Apheresis and autoimmune conditions”, Rif. Galassi, Calalzo di Cadore (BL), 6-8/07/2018.
- “Rapidly progressive dementia and Limbic encephalitis”, Venice, 14-15 September 2018.
- “2018 NMO Symposium”, Berlin, 9/10/2018.
- “34th Congress of the european committee for treatment and research in multiple sclerosis”, Berlin, 10-12/10/2018.
- „The Lancet Summit: inflammation and immunity in disorders of the brain and mind”, Barcelona, 15-17/11/2018.
- “24° ELAS annual symposium”, Bologna, 18-21/11/2018.
- “Current awareness and critical insights in clinical and experimental neuroimmunology”, Pavia, 12/12/2018.
- “Autoimmune encephalitis: aetiology, diagnosis and treatment”, Como, 13/12/2018.
- “Pills of allergology and autoimmunity”, Udine, 8/02/2019.
- “71st Annual Meeting of the American Academy of Neurology”, Philadelphia, PA, 4-10/05/19.
- “5th European Academy of Neurology (EAN) Congress”, Oslo, Norway 29/06/19-02/07/19.
- “GJF Round Table”, Stoccolma, Svezia 10/09/2019.
- “35th ECTRIMS meeting”, Stoccolma, Svezia 11-13/09/2019.
- “Autoimmune encephalitis and atypical demyelinating conditions: aetiology, diagnosis and treatment”, Reggio Emilia, 19/09/2019.
- “Neurologist and immunology of inflammatory CNS disorders”, Brescia, 14/11/2019.
- “Measurement of treatment efficacy: a comparison of prospectives” at the Multiple Sclerosis Day, Verona, 15/11/2019.

- “Powering precision health summit”, Barcelona, 19/11/2019.
- “Cerebrospinal fluid in neuroinflammation and neurodegeneration: updates on diagnostic and prognostic opportunities”, Ferrara, 22/11/2019.
- “Encephalitis conference 2019”, London, 02/12/2019.
- “MS Academy SM”, Bolzano, 07/02/2020.
- “European NMO 2020 Meeting”, Berlin, 13-14/02/2020.
- “GJF Round Table”, online meeting (as a panelist), 14/11/2020.
- “Encephalitis Conference”, online meeting, 07/12/2020.
- “Joint meeting AIM-ASNP Digital Edition 2020” 9-12/12/2020, chairmen on poster session 1, “Biomarkers and outcome measures in neuromuscular disorders”
- “Annual Meeting of the American Academy of Neurology”, virtual 17-22/04/2021
- “Neurological disorders associated with COVID-19” (neurowebinar), 01/05/2020
- “Neurological disorders associated with COVID-19: Guillain-Barré Syndrome Cases and Patients on Immunomodulators” (neurowebinar), 09/06/2020
- Neurological disorders associated with COVID-19: The Known and Unknown, and special focus on Alzheimer's dementia (neurowebinar), 02/07/2020
- Neurological disorders associated with COVID-19: Neuropsychiatric and neurocognitive aspects in Australia and America (neurowebinar), 20/08/2020
- Webinar: Neurological disorders associated with COVID-19: Learnings from the current literature and 'mutant' responses to COVID-19 (neurowebinar), 10/09/2020
- Neurological Associations of COVID-19: Pooling global data on NeuroCOVID (neurowebinar) 11/12/2020
- Neurological Associations of COVID-19: Olfactory transmucosal invasion and psychosis risk (neurowebinar) 17/02/2021
- Neurological Associations of COVID-19: How does SARS-CoV-2 affect the brain in mild and severe disease? (neurowebinar) 20/04/2021
- 7th European Academy of Neurology (EAN) Congress”, Virtual, 19-22/06/2021 – participant and chairperson of the session “MS and related disorders 5”
- The Neurologist and Immunology, Brescia, 25-26/11/2021.
- Multiple Sclerosis and autoimmune CNS conditions, Trieste, 10/12/2021.
- Clinical Neuroimmunology, Napoli, 10-11/02/2022.
- European NMOSD/MOGAD meeting, Lyon, 02-04/06/2022.
- 8th European Academy of Neurology congress, Vienna, 25-28/06/2022.

- Guthy Jackson foundation round table and patients' meeting, Los Angeles, CA, USA, 09-11/07/2022.
- The Neuroimmunological disease congress, from symptoms to treatment, Lecco, 23/09/2022.
- The MOGAD symposium, Boston, MA, USA 29-20/10/2022.
- "Pre-Ectrims NMOSD symposium" (as a panelist), Amsterdam, the Netherlands, 25/10/2022.
- "38th ECTRIMS meeting", Amsterdam, the Netherlands, 26-28/10/2022.
- "Clinical Neuroimmunology in Naples", II edition, Napoli, 9-10/02/2023.
- "American Academy of Neurology (AAN) annual meeting," 75th edition, Boston, USA, 22-27/04/2023.
- "ACON Acute Optic Neuritis Network", Tel Aviv, Israel, 03-05/05/2023.
- "Neurology Workshop", Padova, 10/05/2023.
- "The requirement for neurological awareness in the future, young SIN event", Rimini, 12-14/05/2023.
- "Fluid biomarkers and multiple sclerosis: the long road toward validation (online)", 16/05/2023.
- "FISM congress", Roma, 30/05-01/01/2023.
- MEDEN (Mogad Eugene Devic European Network) congress, Oxford, 08-10/06/2023.
- Verona Multiple Sclerosis Day: MS, NMOSD, and MOGAD from diagnostic challenges to therapeutic implications, Verona, 23/06/2023.
- "The Complement role in rare neurological disorders", Cagliari, 14/07/2023.
- "Change Direction in NMOSD, across new therapeutic Horizons", Roma, 7-8/09/2023.
- "JAMS (Junior Academy Multiple Sclerosis)", Roma, 21-23/09/2023 (online).
- "Encefaliti Autoimmuni", Pescara, 29/09/2023 (online).
- 9th Joint ECTRIMS ACTRIMS meeting, Milano, 11-13/10/2023.
- "New Perspectives in NMOSD", Bologna, 10/11/2023 (online)
- "Autoimmune and Paraneoplastic disorders of the Central Nervous System" Verona, 17/11/2023
- "Corner, Expert Meeting, focus on NMOSD" Porto San Giorgio (FM), 20/11/2023 (online)
- "MOGAD Masterclass 2023", Oxford, UK, 01/12/2023.
- "Update on MOGAD, NMOSD and Multiple Sclerosis", GDS Neuroophthalmology SIN meeting, Palermo, 14/12/2023.
- " Neuroimmunological disorders in adults and pediatrics," Lecco, 02/02/2024.
- "Clinical Neuroimmunology in Naples", Napoli, 22-23/02/2024.

- “Demyelinating conditions: differential diagnosis between MS, NMOSD, and MOGAD and their treatment”, Bolzano, 15/03/2024.
- “Clinical research in NMOSD, challenges and opportunities”, Roma, 8-9/04/2024.
- “Diagnosis and treatment of autoimmune demyelinating CNS disorders and Myasthenia Gravis”, Alghero, 19-20/04/2024.
- MEDEN 2024 meeting (Meeting of the MOGAD Eugene Devic European Network), Berlino, 23-25/05/2024.
- 2nd Case based NMOSD/MOGAD meeting, Tallinn 28-29/06/2024.
- 10th EAN Congress, Helsinki, 29/06-02/07/2024.
- Annual AAN Summer Conference, Atlanta, Georgia, USA, 19 e 20/07/2024.
- The 15th GJCF Neuromyelitis optica roundtable Conference, Los Angeles, California, USA, 2-4/08/2024
- GJF pre-ECTRIMS meeting, Copenhagen, Denmark, 16/09/2024
- ECTRIMS (40th congress of the European Committee for Treatment and Research in Multiple Sclerosis), Copenhagen, Denmark, 17-20/09/2024
- CAR-T and neurotoxicity, Bologna, Italy, 01/10/2024
- Brain Conference, Verona, 9-11/10/2024

Courses attendance:

- “Pubmed: from the literature research to the article”, Verona, 12/12/2011.
- “Introduction on Evidence Based Neurology”, Novara, 18-20/06/2012.
- “CNS infection”, Catania, 12/06/2013.
- “ISPNI 3rd International Conference and Course on Neuromuscular Ultrasound”, Vienna, 22-24/05/2014.
- “Magnetic resonance techniques in neurodegenerative diseases, second course. The clinical, pathological and imaging continuum of major CNS proteinopathies”, Milano, 16-17/02/2015.
- “16^oCRNI course: extreme neuroinflammation”, Bergamo, 6-9/04/2016.
- “Annual retreat”, Innsbruck, 26-28/09/2016.
- “Update on Multiple Sclerosis”, Verona, 04/10/2016.
- “Course on security”, on line, completed on 29/10/2016.
- “Course on laboratory security”, Verona, 18-19/10/2016.
- “Update on Multiple Sclerosis”, Cittadella (PD), 15/11/2016.

- “Update on inflammatory and infectious disorders of the CNS”, Pavia, 25/05/2018.
- “Theoretical and Practical Course on Multiple Sclerosis”, Brescia, 1-3/10/2018.
- “Infectious diseases and infectious risk in course of novel treatment for multiple sclerosis”, Bolzano, 27/09/2019.
- “3rd course for the diagnosis of demyelinating conditions”, Alghero, 7-8/10/2022.
- “2° INCONTRO CUNEESE DI NEUROIMMUNOLOGIA”, online, 01/03/2024.

Research Fellowship:

- EAN research Fellowship, Medical University and Neuroimmunology Laboratory, University of Innsbruck, March-October 2017, supervisor Prof. M. Reindl
- Fellowship at the Institute of Neurology and Laboratory of Neuropathology, Medical University of Wien, October 2017, supervisor Prof. R. Hoeffberger
- Research activity on “Diagnostic and prognostic test in antibody-mediated encephalitis and neuromyelitis optica”, Neurology Unit, University of Verona, October 2019-May 2020, supervisor Prof. S. Monaco
- Research activity on “Study of the incidence of MOG-related disorders and of the utility of biomarkers of axonal damage”, Neurology Unit, University of Verona, September-November 2020, supervisor Dr. A. Gajofatto

Editorial and scientific boards:

- Associated Editor of Immunologic Research (since April, 2021)
- Member of the Editorial Board of Frontiers in Neurology -Neuro-ophthalmology- (since March, 2021)
- Member of the Editorial Board of Journal of Laboratory and Precision Medicine (since September, 2022)
- Member of the Editorial Board as a Review Editor of Frontiers in Neurology -Multiple Sclerosis and Neuroimmunology- (since October, 2021) and of Frontiers in Neurology -Neuromuscular disorders and peripheral neuropathies (since July, 2022)-
- Member of the Scientific Board of DyNAMICS Academy (since October, 2021)

Educational activity:

- Co-supervisor of a thesis on “Epileptic seizures of suspected autoimmune origin: a multicentre retrospective study”, 2019.
- Supervisor of a thesis on “Anti-SARS-CoV-2 antibodies in patients with inflammatory CNS neurological conditions””, 2020.
- Supervisor of a thesis on “Anti-SARS-CoV-2 antibodies in patients with inflammatory peripheral neuropathies”, 2021.
- Supervisor of a thesis on “ Significance of CSF antibodies in the clinical practice”, 2022.
- Organisation of Experts’ Seminars for residents in neurology:
 - “NMOSD: diagnosis and management”, R. Marignier; Lyon, France, 01/2021
 - “Towards understanding causation in autoimmune encephalitis”, S.R. Irani, Oxford, UK, 02/2021
 - “Myelitis and other autoimmune myelopathies: cause, diagnosis, and management”, E.P. Flanagan, Mayo Clinic, Rochester, MN, USA, 04/2021
- Organisation of a dedicated course on “How to write and public a scientific paper” for residents in neurology (04-05/2021)
- Organisation of a dedicated course on “Neuroimmunology” for residents in neurology (since 06/2022)
- Medicine students and residents in neurology supervisor and tutor (since 03/2021)
- Presentation and explanation of clinical cases for medicine students (weekly, since 02/2021 to 01/2023)
- Organisation of weekly clinical cases discussions (weekly, since 02/2021)
- Member of the PhD teaching staff of Neurosciences, Biomedicine, and Movement Sciences, University of Verona (since 02/2021 to 01/2022).
- Member of the Resident teaching staff of the Neurology Unit, University of Verona (since 02/2022).

Awards:

- “Bando Ricerca Finalizzata 2021”, Young Researcher on a project entitled “Multiparametric biomarkers to predict the response to different protocols of motor-cognitive rehabilitation in Parkinson's disease subjects with postural instability and gait disorders”

- The Sumaira Foundation 2022 Spark Grant for a project entitled “Myelin basic Protein as a potential biomarker in MOGAD”
- “Best presentation at the V Meeting of the Italian Society for the Peripheral Nervous System Study and subsequent publication” received at the VI Meeting of the Italian Society for the Peripheral Nervous System Study, Mondello, 16/04/2016
- “EAN research fellowship” for 2017
- “Best scientific publication” received at the 54° AINP e NC and 44° AIRIC Congress, Milano, 19/05/2018
- Travel grant award for the 3rd Congress of the European Academy of Neurology (EAN), 2017
- Travel grant award for the 4th Congress of the European Academy of Neurology (EAN), 2018
- Travel grant award for the 5th Congress of the European Academy of Neurology (EAN), 2019
- Travel grant award for the 2018 American Academy of Neurology (AAN) annual meeting, 2018
- Travel grant award for the 2019 American Academy of Neurology (AAN) annual meeting, 2019
- Travel grant for the 7th JointECTRIMS-ACRIMS meeting, 2017
- Travel grant for the 34thECTRIMS meeting, 2018
- Travel grant for the 35thECTRIMS meeting, 2019

Participation to clinical trials:

- Principal investigator of a “Randomised, double-blind, placebo-controlled, multicenter, Phase 3, pivotal study with an open-label extension period to evaluate the efficacy and safety of Rozanolixizumab to treat adult patients with MOGAD” (promoted by Paraxel international)
- Principal investigator of a “Phase III, randomised, double-blind, placebo-controlled multicenter study to evaluate the efficacy, safety, pharmacokinetics, and pharmacodynamics of Satralizumab as monotherapy or in addition to baseline therapy in patients with MOGAD” (promoted by Roche international)

Participation to research group:

- Neuroimmunology Board of the European Academy of Neurology (EAN)
- NINA (Italian Network of Autoimmune Neurology) Scientific Board
- Neuro-COVID network
- MEDEN (MOGAD Eugene Devic European Network) scientific board
- EAN/ECTRIMS task force for the guideline on treatment in NMOSD
- EAN task force for Autoimmune Encephalitis guidelines
- International clinical consortium for the study of NMOSD (Guthy-Jackson Foundation)
- The Sumaira Foundation scientific board

Membership/affiliations:

- AINI (Italian Association of Neuroimmunology)
- SIN (Italian Society of Neurology)
- EAN (European Academy of Neurology), also member of the Neuroimmunology Research Group
- Encephalitis Society
- GJF (Guthy Jackson Foundation)
- TSF (The Sumaira Foundation)

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Tutto quanto dichiarato nel presente Curriculum Vitae corrisponde a verità. Le dichiarazioni rese nel Curriculum Vitae sono rilasciate ai sensi degli articoli 46 e 47 del D.P.R. 445/2000.

Sara Mariotto