

VANESSA CHIODEGA, MSc

Neuropathology Section of Department of Neuroscience Biomedicine and Movement Science
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Education:

2023 – present

PhD in Neuroscience, Psychological and Psychiatric Sciences, and Movement Sciences – *University of Verona, Verona, Italy*

2020 – 2023

MsC in Molecular and Medical Biotechnology – *University of Verona, Verona, Italy*
“Comparative performance analysis of diagnostic tests for autoimmune encephalitis”

2016 – 2020

BsC in Biotechnology – *University of Verona, Verona, Italy*
“Development of an immunoassay method for the detection of the soluble form of PTPRG in plasma”

Work/research experience:

Nov 2021 – Jul 2023

Neuropathology Laboratory Internship – Tutor Dr Sara Mariotto
Department of Neuroscience, Biomedicine and Movement Sciences - *University of Verona, Verona, Italy*

Oct 2022 – Dec 2022

Neuropathology Laboratory Internship – Tutor Prof Romana Höftberger
Department of Neurology (Division of Neuropathology and Neurochemistry) – *Medical University of Vienna, Vienna, Austria*

Nov 2019 – Dec 2020

General Pathology Laboratory Internship – Tutor Prof Claudio Sorio
Department of Medicine (General Pathology Section) - *University of Verona, Verona, Italy*

Publications:

24 citations by 24 documents

Documents: 5

H-index: 3

Carta, S., Dinoto, A., Capobianco, M., Valentino, P., Montarolo, F., Sala, A., Reindl, M., Lo Re, M., **Chiodega, V.**, Branger, P., Audoin, B., Aboab, J., Papeix, C., Collongues, N., Kerschen, P., Zephir, H., Créange, A., Bourre, B., Schanda, K., Flanagan, E. P., ... Mariotto, S. (2024). Serum Biomarker Profiles Discriminate AQP4 Seropositive and Double Seronegative Neuromyelitis Optica Spectrum Disorder. *Neurology(R) neuroimmunology & neuroinflammation*, 11(1), e200188.

<https://doi.org/10.1212/NXI.000000000200188>

Trentinaglia, M., Dinoto, A., Carta, S., **Chiodega, V.**, Ferrari, S., Andreone, V., Maniscalco, G. T., & Mariotto, S. (2023). Investigating the association between neoplasms and MOG antibody-associated disease. *Frontiers in neurology*, *14*, 1193211. <https://doi.org/10.3389/fneur.2023.1193211>

Spatola, M., Nziza, N., Jung, W., Deng, Y., Yuan, D., Dinoto, A., Bozzetti, S., **Chiodega, V.**, Ferrari, S., Lauffenburger, D. A., Mariotto, S., & Alter, G. (2023). Neurologic sequelae of COVID-19 are determined by immunologic imprinting from previous coronaviruses. *Brain : a journal of neurology*, *146*(10), 4292–4305. <https://doi.org/10.1093/brain/awad155>

Dinoto, A., Marcuzzo, E., **Chiodega, V.**, Dall'Ora, F., Mariotto, S., & Tinazzi, M. (2023). Neurofilament light chain: a promising diagnostic biomarker for functional motor disorders. *Journal of neurology*, *270*(3), 1754–1758. <https://doi.org/10.1007/s00415-022-11480-6>

Dinoto, A., Licciardi, N. M., Reindl, M., **Chiodega, V.**, Schanda, K., Carta, S., Höftberger, R., Ferrari, S., & Mariotto, S. (2022). Peripheral neuropathy and MOG-IgG: A clinical and neuropathological retrospective study. *Multiple sclerosis and related disorders*, *68*, 104214. <https://doi.org/10.1016/j.msard.2022.104214>

Technical Skills and Languages

Laboratory skills:

- Protein analysis: SDS-PAGE, Western blotting, Enzyme-linked immunosorbent assay (ELISA), Immunoprecipitation, Protein quantification (e.g., BCA assay, Bradford assay),
- Cell culture: primary cell culture, maintenance of cell lines, cell transfection, cryopreservation and thawing of cells
- Immunology and Histology: tissue embedding and sectioning (cryosectioning), immunohistochemistry (IHC), tissue-based and cell-based immunofluorescence assays (IF)
- Microscopy and Imaging: light microscopy, fluorescence microscopy
- Neurobiology-Specific Techniques: analysis of biomarkers (e.g., NfL measurement using SIMOA™ or Lumipulse™), brain tissue dissection and processing
- Biochemical Analysis: spectrophotometry (e.g., Nanodrop), fluorometric quantification (e.g., Qubit), chromatography, pH measurement and buffer preparation
- Other Skills: laboratory safety and handling of biohazard materials, preparation of standard operating procedures (SOPs), equipment calibration and troubleshooting

Languages:

- English (B2), German (B1)