

CURRICULUM VITAE

Name: Ilaria Callegari

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Date of Birth: [REDACTED]

Current Position: research fellow, Clinical Neuroimmunology lab, Department of Biomedicine, and Translational Imaging in Neurology, Department of Biomedical Engineering, University of Basel; supervisor: Prof Tobias Derfuss, Prof Cristina Granziera

Education

January 2020 – November 2022: PhD student, Clinical Neuroimmunology Lab, University of Basel, *summa cum laude*

June 2019: Fellow of the European Board of Neurology

2018-2019: Master in Peripheral Nervous System disorders, University of Milan/Istituto Carlo Besta

December 2014 - December 2019: Neurology Residency Program, University of Pavia, C. Mondino Neurologic Institute, 50/50 *cum laude*

February 2014: registration to the Italian Medical Council, number 16306

July 2013: MD degree *cum laude*, University of Genoa, Genoa, Italy

Research experience

July 2022-to date:

Translational Imaging in Neurology (ThINK) and Clinical Neuroimmunology Lab, University of Basel;
Supervisor: Prof Cristina Granziera

Multimodal characterisation of actively remyelinating multiple sclerosis lesions in postmortem brain using quantitative advanced MRI measures and Imaging Mass Cytometry

July 2018-June 2022:

Clinical Neuroimmunology laboratory, Department of Biomedicine, University of Basel.

European Academy of Neurology research fellow; Supervisor: Prof. Tobias Derfuss.

Characterisation of class-specific features of patient-derived monoclonal antibodies in infectious and autoimmune diseases. Deep phenotyping of cellular composition of MS brain pathology by imaging mass cytometry.

Flow cytometry, IF, IHC, molecular biology, cell culture, data analysis.

Position partially funded by the European Academy of Neurology research fellowship.

Neurology residency, IRCCS C. Mondino National Neurologic Institute, University of Pavia

Clinical data collection from patients with inflammatory polyneuropathies. Identification of pathogenetic antibodies against nodal and paranodal proteins, using ELISA, Cell Based Assay and Immunohistochemistry.

Clinical data collection and statistical analysis of a cohort of patients affected by autoimmune encephalitis. Clinical and laboratory data collection of a cohort of patients affected by inherited neuropathies.

Clinical Experience

January 2024-ongoing:

Neurologist at Neurologische Poliklinik, Universitätsspital Basel

December 2014 - December 2019:

Neurology residency, IRCCS C. Mondino National Neurologic Institute, University of Pavia

Supervisor: Enrico Marchioni, MD; Andrea Cortese, MD, PhD

Day-to-day clinical care of neurological patients in the Institute wards, focusing on neuroimmunological diseases of the central and peripheral nervous system diseases. Active participation in grand rounds discussion of clinical cases.

Weekly clinical activity in the outpatient services of the Institute, with particular interest in multiple sclerosis and autoimmune and inherited peripheral neuropathies.

Languages: Italian (native speaker), English (B2), German (B2)

Recommendation available from:

Prof Tobias Derfuss, University Hospital Basel, Petersgraben 4, 4031 Basel. E-mail: Tobias.Derfuss@usb.ch

Prof Cristina Granziera, University Hospital Basel, Petersgraben 4, 4031 Basel. E-mail: cristina.granziera@usb.ch

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