

Maria Chiara Lanini

Personal Information

Date of Birth 09/02/1996
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Education

January 2023 – May 2024 **Master in Neuroscience, Mindfulness and Contemplative Practice Medicine Department**, University of Pisa.
36 hours Retreat - ABC of Meditation with Connie Miller.

March 2024 **Licensed and registered with the Psychologists' Professional Board of Tuscany n° 10728**

2020 – 2022 **Master Degree in Psychobiology and Cognitive Neuroscience Surgery and Medicine Department**, University of Parma.
Erasmus at *New Bulgarian University - Psychology*, Sofia, Bulgaria.
Final Grade: 104/110
Thesis Title: The more I move like you, the more I learn from you. A behavioural and electrophysiological study on the motor learning via action observation training, Supervisor: Prof. Leonardo Fogassi.

2017 – 2020 **Bachelor Degree in Cognitive Psychology**, Department of Psychology and Cognitive Science, University of Trento.
Final Grade: 101/110

2010 – 2015 **Scientific High School Diploma**, Institute Tito Sarrocchi, Siena.
Final Grade: 88/100

Work Experiences

November 2024 – On Going **Research Fellow** Department of Architecture, University of Florence. Research Manager: Prof. Carla Balocco.
Research Topic: "Perceived-adaptive comfort based on a neuroscientific and sociological approach to vision, perception, and thermodynamics in built and green areas, aimed at social analysis of climate adaptation"

June 2024 – October 2024 **Research Scholarship Holder** Department of Information Engineering, University of Florence. Research Manager: Prof. Antonio Lanatà.

Research Topic: "Analysis of psychophysiological correlates in memory mechanisms of fragile individuals"

May 2023 – **Research Fellow** Department of Information Engineering, University of Florence. Research
May 2024 Manager: Prof. Antonio Lanatà.

Research Topic: "Study of neurophysiological correlates for the maintenance of psychophysiological well-being during aging"

January 2023 **Post-Graduation Psychology Traineeship** Neurology, Psychiatry and Clinical Psychology
– September 2023 Centre.

Observation and assistance during the administration of neuropsychological assessments, participation, under mentorship, in the application of therapies such as TMS (Transcranial Magnetic Stimulation), photobiomodulation and tDCS (transcranial stimulation with direct currents).

February 2022 – **Pre-Graduation Traineeship** Neuroscience Institute - CNR of Parma.
September 2022

Performance of basic Transcranial Magnetic Stimulation (TMS) procedures. Performance of TMS protocols and electromyographic recording: surface electromyography (EMG) montage and online monitoring of EMG signal, use of neuronavigator for motor hot-spot search, stimulus playback and off-line evaluation of topographic accuracy of stimulation.

2015 – On **Private Teacher** Superprof, classes in math, physics, chemistry and English for students.
Going

Publications

- 2025 **Balocco, C., Pierucci, G., Lanini, M. C., Baia, M., Piselli, C., Carletti, C., and Scurpi, F. (2025, December). A new paradigm for environmental energy sustainability and well-being in the perspective for climate change and urban heat island mitigation. The ESCAPOS-LIFE project for Florence. In Journal of Physics: Conference Series (Vol. 3143, No. 1, p. 012022). IOP Publishing doi: 10.1088/1742-6596/3143/1/012022.**
- 2025 **M. C. Gursesli et al. Silent vs. Sound: EEG-Based Investigation of Uniform Auditory Stimuli During a Serious Game. IEEE 14th Global Conference on Consumer Electronics (GCCE) Osaka, Japan, 2025, pp. 1063-1065, doi: 10.1109/GCCE65946.2025.11275363.**
- 2025 **L. Frassinetti et al. Integrating Intersubject Biofeedback in Hyperscanning visual affective experiment: proof of concept and preliminary results on HRV dynamics. 47th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC) Copenhagen, Denmark, 2025, pp. 1-6, doi: 10.1109/EMBC58623.2025.11252816.**
- 2025 **Tarchi P., Frassinetti L., Faralli G., Cala F., Lanini M.C., and Lanatà A. Quantitative Electrodermal Activity Analysis of Simultaneous Recordings from Dyads during Affective Visual Task: Proof of Concept and Preliminary Results. 47th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC) Copenhagen, Denmark, 2025, pp. 1-6, doi: 10.1109/EMBC58623.2025.11254313.**
- 2023 **Bazzini M.C., Nuara A., Branchini G. et al. The capacity of action observation to drag the trainees' motor pattern toward the observed model. Scientific Reports 13, 9107 (2023). <https://doi.org/10.1038/s41598-023-35664-w>**

2023 **Tarchi P, Lanini MC, Frassinetti L, Lanatà A. Real and Deepfake Face Recognition: An EEG Study on Cognitive and Emotive Implications.** *Scientific Reports* 23, 13(9) (2023). <https://doi.org/10.3390/brainsci13091233>

Certificate

2014 ECDL

Skills

Programming

Basic C/C++, \LaTeX

Languages

Italian **Motherlanguage**

English **Intermediate/Advanced**

*Fluent in communication and academic language.
Level B2: IELTS certificate, grade 6.5*

French **Basic Level**

Spanish **Basic Level**