

ELEONORA MARCANTONI

curriculum vitae

Updated September 26, 2022

Current Position	<i>PhD Student</i>	09 2022 – ongoing
	MRC Doctoral Training Programme in Precision Medicine joint between the University of Edinburgh and the University of Glasgow. Mentors: Prof. Simon Hanslmayr, Prof. Satu Palva	
Education and qualifications	<i>Research Assistant</i>	06 2021 – 09 2022
	Neurophysiology Lab. IRCCS St. John of God Clinical Research Center, Brescia, Italy. Supervisor: Dr. Marta Bortoletto	
	<i>Research Internship</i>	03 2020 – 05 2021
	Center for Studies and Research in Cognitive Neuroscience (CNC), University of Bologna, Italy. Supervisor: Prof. Vincenzo Romei	
	<i>Experimental thesis internship</i>	01 2019 – 02 2020
	Center for Studies and Research in Cognitive Neuroscience (CNC), University of Bologna, Italy. Supervisor: Prof. Vincenzo Romei	
	University of Bologna	09 2017 – 02 2020
	MSc in Neuroscience and Neuropsychological Rehabilitation	
	Mentor: Prof. Vincenzo Romei.	
	Thesis Title: <i>Causal manipulation of alpha rhythms shapes conscious visual perception</i>	
	University of Pisa	09 2014 – 09 2017
	BSc in Sciences and Techniques of Clinical and Health Psychology	
	Mentor: Dr. Laura Sebastiani.	
	Thesis Title: <i>Music as medicine: the beneficial effects of music on stressful life events</i>	
Training and courses	<i>Advanced MEG/EEG analysis toolkit course</i>	2022
	Donders Centre for Cognitive Neuroimaging, Nijmegen, Netherlands	
	Program available here .	
	<i>Complete neural signal processing and analysis: Zero to hero</i>	2020
	Mike X Cohen	
	online course, duration: 47 hours. Certification available here .	

Learn to Program: The Fundamentals (Python) 2019
University of Toronto, USA
online course, duration: 25 hours. Certification available [here](#).

Introduction to programming with Matlab 2019
Vanderbilt University, USA
online course, duration: 40 hours. Certification available [here](#).

Skills

Research techniques and methodologies

Practical experimental experience

Experience in neurostimulation paradigms (TMS, entrainment of oscillatory brain activity via online combination of rTMS/EEG, ccPAS)

Electrophysiological signal data analysis

Statistical data analysis

Programming skills

Data analysis software

EEGLAB (MATLAB), TESA toolbox (TMS-EEG signal analyser extension for EEGLAB), BrainVision Analyzer (v 2.2).

Programming

Familiar with: MATLAB, Python.

Statistical analysis software

SPSS, Statistica.

Stimuli presentation software

E-prime, Psychtoolbox (Matlab).

Reference management software

Mendeley, EndNote.

Languages

Italian (first language), English (C1, IELTS: 7.5).

Publications and conferences

Posters

Best poster award - Trajkovic J., Di Gregorio F., Di Luzio P., Marcantoni E., Avenanti A., Thut G., Romei V. *How do we become aware of what (we think) we see? Oscillatory mechanisms of conscious perception.* Transcranial Brain Stimulation in Cognitive Neuroscience Workshop (CIMEC) 2020, 3-4 December, Rovereto, Italy.

P224 Trajkovic J., Di Luzio P., Roperti C., Marcantoni E., Di Gregorio, F., Romei V. *Tuning alpha rhythms to shape conscious visual perception. Clinical Neurophysiology* 131(4), e140e141.

Publications

Di Gregorio F., Trajkovic J., Roperti C., **Marcantoni E.**, Di Luzio P., Avenanti A., Thut G., Romei V. (2022) *Tuning alpha rhythms to shape conscious visual perception*. *Current Biology*. <https://doi.org/10.1016/j.cub.2022.01.003>

Barchiesi G., Zazio A., **Marcantoni E.**, Bulgari M., Barattieri di San Pietro C., Sinigaglia C., Bortoletto M. (2022) *Sharing motor plans while acting jointly: a TMS study*. *Cortex - Registered Report*. <https://doi.org/10.1016/j.cortex.2022.03.007>

Trajkovic J., Di Gregorio F., **Marcantoni E.**, Thut G., Romei V. (2022) *A TMS/EEG protocol for the causal assessment of the functions of the oscillatory brain rhythms in perceptual and cognitive processes*. *STAR Protocols*. <https://doi.org/10.1016/j.xpro.2022.101435>

Zazio A., Barchiesi G., Ferrari C., **Marcantoni E.**, Bortoletto M. (2022) *M1-P15 as a cortical marker for transcallosal inhibition: a preregistered TMS-EEG study*. *Frontiers in Human Neuroscience*. <https://doi.org/10.1016/j.xpro.2022.101435>

Guidali G., Zazio A., **Marcantoni E.**, Stango A., Barchiesi G., Bortoletto M. *Effect of TMS current direction and pulse waveform on cortico-cortical connectivity: A TMS-EEG study*. *European Journal of Neuroscience. Registered Report*