MATTIA DORO

Post-doctoral fellow - University of Padova

I'm a Cognitive Neuroscientist at the University of Padova. My research interests are related to visual attention and visual short-term memory.

🎓 EDUCATION

2022
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ongoing

Post-doctoral Research Fellow
University of Padova, Italy

Supervisor: Prof. Roberto Dell'Acqua

2019
|
ongoing

"Cultore della materia"
University of Padova, Italy

Subject expert and teaching assistant in Mechanisms of consciousness and error monitoring" (Prof. Roberto Dell'Acqua).

2020
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2021

Post-doctoral Research Fellow
University of Padova, Italy

Supervisor: Prof. Roberto Dell'Acqua

2018
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2019

Post-doctoral Research Fellow
University of Padova, Italy

Supervisor: Prof. Roberto Dell'Acqua

2017

PhD in Experimental Psychology
University of Padova, Italy

Supervisor: Prof. Roberto Dell'Acqua

2016

Visiting graduate student (1 year)
Université de Montréal

Supervisor: Prof. Pierre Jolicoeur

2013

MSc in Neuroscience - 107/110
University of Padova, Italy

Supervisor: Prof. Roberto Dell'Acqua

CONTACT INFO

✉ mattia.doro@gmail.com
✉ mattia.doro@unipd.it

SKILLS

Coding: R, MATLAB, VB, Python, GIT
Markup: Markdown, HTML, CSS
Experiments: E-Prime, PsychoPy
EEG Analysis: Brain Vision Analyzer, EEGLAB/ERPLAB, FieldTrip
Operating System: Linux, Windows

LANGUAGE SKILLS

Italian: native language

English: fluent

2011 **BSc in Psychology - 101/110**
University of Padova, Italy

Supervisor: Prof. Massimo Grassi

TEACHING

2022 **Classes on error monitoring (12 hrs.)**
University of Padova

Mechanisms of Consciousness and Error Monitoring course (Prof. Dell'Acqua) of the master's course "Cognitive Neuroscience and Clinical Neuropsychology"

2021 **EEGLAB: basic analysis on electroencephalographic signal (20 hrs.)**
University of Padova

2021 **Classes on error monitoring (10 hrs.)**
University of Padova

Mechanisms of Consciousness and Error Monitoring course (Prof. Dell'Acqua) of the master's course "Cognitive Neuroscience and Clinical Neuropsychology"

2020 **Classes on error monitoring (10 hrs.)**
University of Padova

Mechanisms of Consciousness and Error Monitoring course (Prof. Dell'Acqua) of the master's course "Cognitive Neuroscience and Clinical Neuropsychology"

2017 **Class on EEG and cognitive mechanism (2 hrs.)**
University of Padova

Electrophysiology of Cognition, Intersubjectivity and Neural Resonance course (Prof. Sessa)

2015 **Class on EEG for investigating visual attention (2 hrs.)**
University of Padova

Electrophysiology of Cognition, Intersubjectivity and Neural Resonance course (Prof. Sessa)

2014 **Practical training in EEG data collection (6 hrs.)**
University of Padova

Human Cognition course (Prof. Bisiacchi and Prof. Dell'Acqua)

2013 | present **Practical training in EEG data collection and analysis: 31 students**
University of Padova

2014 | present **Thesis co-supervisor: 24 students**
University of Padova

📇 TRAINING

2013
Post-graduation Internship (1 year)
University of Padova, Italy
Supervisor: Prof. Roberto Dell'Acqua

2011
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2013
Internship (2 years)
University of Padova, Italy
Supervisor: Prof. Roberto Dell'Acqua

🔖 PAPERS

2022
On target selection as reflected by posterior ERP components in feature-guided visual search
Psychophysiology

Dell'Acqua, **Doro**, Brigadoi, Drisdelle, Simal, Baro, Jolicœur

2022
Unconscious Visual Working Memory: A critical review and Bayesian meta-analysis
Neurosci. Biobehav. Rev. DOI: 10.1016/j.neubiorev.2022.104618

Gambarota, Tsuchiya, Pastore, Di Polito, Sessa

2022
Does your past define you? The role of previous visual experience in subjective reactions to new affective pictures and sounds
Emotion DOI: 10.1037/emo0001168

Del Popolo Cristaldi, Gambarota, Oosterwijk

2022
Mapping the perception-space of facial expressions in the era of face masks
Front. Psychol. DOI: 10.3389/fpsyg.2022.956832

Verroca, de Rienzo, Gambarota, Sessa

2021
Blocking facial mimicry during binocular rivalry modulates visual awareness of faces with a neutral expression
Sci. Rep. DOI: 10.1038/s41598-021-89355-5

Quettier, Gambarota, Tsuchiya, Sessa

2019
Visual Working Memory for Faces and Facial Expressions as a Useful 'Tool' for Understanding Social and Affective Cognition
Front. Psychol. DOI: 10.3389/fpsyg.2019.02392

Gambarota, Sessa

2016
Il benessere psicosociale degli adolescenti con malattia onco-ematologica
Studi Zancan

Gambarota, Capello, Barbero Vignola

PREPRINTS

2021   **The role of implicit learning and cue ambiguity on the subjective experience of affective predictions: a follow-up behavioral investigation**
PsyArXiv DOI: 10.31234/osf.io/y7bxn
Del Popolo Cristaldi, Buodo, Gambarota, Oosterwijk, Mento

2020   **Deficits of visual working memory representations of emotional facial expressions in patients with congenital facial palsy**
PsyArXiv DOI: 10.31234/osf.io/nxe8z
Gambarota, Luria, Pastore, De Stefani, Ferrari, Sessa

CONFERENCES

2022   **Posterior ERP Components as a Marker of Target Selection in Feature Guided Visual Search**
Associazione Italiana di Psicologia [*Talk*]   📍 Padua, Italy
Doro, Brigadoi, Mamone, Jolicoeur and Dell'Acqua

2021   **Occipital Late Positivity in Visual Search Marks Target Access to Consciousness**
Psychonomic Society [*Talk*]   📍 Virtual
Doro, Dell'Acqua, Brigadoi, Drisdelle and Jolicoeur

2021   **Baselines in computing ERP components for midline and lateral visual attention**
Organization for Human Brain Mapping [*Poster*]   📍 Virtual
Doro, Dell'Acqua, Brigadoi, Drisdelle and Jolicoeur

2020   **A Time-Frequency Analysis for the Online Detection of the N2pc Event-Related Potential (ERP) Component in Individual EEG Datasets**
IEEE Emgomeeromg om ;edocom & Biology Society [*Conference paper*]   📍 Montral, Canada
Marturano, Brigadoi, Doro, Dell'Acqua and Sparacino

2019   **Shared attention amplifies the processing of emotional faces**
Joint Action Meeting [*Talk*]   📍 Genova, Italy
Schiano Lomoriello, Doro, Sessa and Konvalinka

2019   **Development and Test of an ERP Simulator Emulating Visual N2 Variability in Amplitude and Latency.**
Organization for Human Brain Mapping [*Talk*]   📍 Rome, Italy
Marturano, Brigadoi, Doro, Dell'Acqua and Sparacino

2019   **Unexpected impact of upper hemifield on visual attention indexes: a new good practice for N2pc users**
Organization for Human Brain Mapping [*Poster*]   📍 Rome, Italy
Monnier, Dell'Acqua, Doro and Jolicoeur

2019   **Development of a Computer Simulator of the Visual N2 Event-Related Potential Component for the Study of Cognitive Processes.**
MEDICON [*Conference paper*]   📍 Coimbra, Portugal
Marturano, Brigadoi, Doro, Dell'Acqua and Sparacino

2018   **Intra and inter-hemispheric phase synchronization during visuo-spatial attention deployment and retention in visual work memory.**
Society for Psychophysiological Research [*Conference paper*]   📍 Quebec City, Canada
Monnier, Lina, Dell'Acqua, Doro, Wu and Jolicoeur

2016   **Comparing brain activity related to attention for lateral versus central targets presented among distractors**
Psychonomic Society [*Poster*]   📍 Boston, USA
Doro, Jolicoeur and Dell'Acqua

2016   **A multi-modal fNIRS/EEG investigation of the fronto-parietal network during audio-visual matching**
Society for Functional Near-Infrared Spectroscopy [*Talk*]   📍 Paris, France
Brigadoi, Basso Moro, Meconi, Benavides-Varela, Tampu, Doro, Sessa, Simion, Cutini and Dell'Acqua

2016   **Encoding, attention, and masking in the attentional blink**
Society for Psychophysiological Research [*Poster*]   📍 Seattle, USA
Losier, Lefebvre, Doro, Dell'Acqua and Jolicoeur

2016   **Comparing brain activity related to attention for lateral versus central targets presented among distractors.**
Society for Psychophysiological Research [*Conference paper*]   📍 Minneapolis, USA
Doro, Jolicoeur and Dell'Acqua

2016   **The role of color in short-term memory maintenance.**
Behavior and Cognitive Science [*Conference paper*]   📍 Ottawa, Canada
Losier, Lefebvre, Doro, Dell'Acqua and Jolicoeur

2014   **Working memory encoding in the attentional blink and its role in early attentional processing: Evidence from human electrophysiology**
Canadian Society for Brain, Behavior and Cognitive Science [*Conference paper*]   📍 Toronto, Canada
Losier, Lefebvre, Doro, Dell'Acqua and Jolicoeur

2013   **Visual saliency pushes around the locus of attentional selection: Evidence from occipito-parietal ERP asymmetries**
Society for Psychophysiological Research [*Conference paper*]   📍 Firenze, Italy

Dell'Acqua, Doro, Sessa, Meconi, Fortier-Gauthier and Jolicoeur

📄 OTHER ACADEMIC EXPERIENCES

c   **a (duration)**
b
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