

# 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  
|  
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  
|  
2021

### Post-doctoral Research Fellow

University of Padova, Italy

Supervisor: Prof. Roberto Dell'Acqua

2018  
|  
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

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✉ [mattia.doro@unipd.it](mailto: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

Resume made with [pagedown](#)

Updated on 2023-02-03

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

2014  
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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 |  
2013 ● **Internship (2 years)**  
University of Padova, Italy  
Supervisor: Prof. Roberto Dell'Acqua



## PAPERS

- 2022 ● **Unconscious Visual Working Memory: A critical review and Bayesian meta-analysis**  
Neurosci. Biobehav. Rev. DOI: [10.1016/j.neubiorev.2022.104618](https://doi.org/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](https://doi.org/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](https://doi.org/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](https://doi.org/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](https://doi.org/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](https://doi.org/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](https://doi.org/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 Engomeeromg 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*]  
Dell'Acqua, Doro, Sessa, Meconi, Fortier-Gauthier and Jolicoeur

📍 Firenze, Italy

📄 **OTHER ACADEMIC EXPERIENCES**

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- **a (duration)**  
b  
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