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

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

*Resume made with **pagedown***

Updated on 2023-02-06

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 | 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 DOI: doi:10.1111/psyp.14131
Dell'Acqua, **Doro**, Brigadoi, Drisdelle, Simal, Baro, Jolicœur

2022 — **Shared attention amplifies the neural processing of emotional faces**
Journal of Cognitive Neuroscience DOI: https://doi.org/10.1162/jocn_a_01841
Schiano Lomoriello, Sessa, **Doro**, Konvalinka

2021 — **A neural network predicting the amplitude of the N2pc in individual EEG datasets**
Journal of Neural Engineering DOI: 10.1088/1741-2552/ac2849
Marturano, Brigadoi, **Doro**, Dell'Acqua, Sparacino

2020 — **Computer data simulator to assess the accuracy of estimates of visual N2/N2pc event-related potential components**
Journal of Neural Engineering DOI: doi:10.1088/1741-2552/ab85d4
Marturano, Brigadoi, **Doro**, Dell'Acqua, Sparacino

2020 — **A bilateral N2pc (N2pcb) component is elicited by search targets displayed on the vertical midline**
Psychophysiology DOI: doi:10.1111/psyp.13512
Doro, Bellini, Brigadoi, Eimer, Dell'Acqua

2019 — **Emotion-related impulsivity moderates the cognitive interference effect of smartphone availability on working memory**
Scientific reports DOI: https://doi.org/10.1038/s41598-019-54911-7
Canale, Vieno, **Doro**, Rosa Mineo, Marino, Billieux

2018 — **N2pc reflects two modes for coding the number of visual targets**
Psychophysiology DOI: https://doi.org/10.1111/psyp.13219
Benavides-Varela, Basso Moro, Brigadoi, Meconi, **Doro**, Simion, Sessa, Cutini, Dell'Acqua

2018 **Attentional guidance from multiple working memory representations: Evidence from eye movements**
Scientific Reports DOI: doi:10.1038/s41598-018-32144-4
Zhang, Liu, **Doro**, Galfano

2018 **Neural measures of the role of affective prosody in empathy for pain**
Scientific Reports DOI: doi:doi:10.1038/s41598-017-18552-y
Meconi, **Doro**, Schiano Lomoriello, Mastrella, Sessa

2017 **Backward masking interrupts spatial attention, slows downstream processing, and limits conscious perception**
Consciousness and Cognition DOI: http://dx.doi.org/10.1016/j.concog.2017.04.005
Losier, Lefebvre, **Doro**, Dell'Acqua, Jolicœur

2016 **Enhanced frontal activation underlies sparing from the attentional blink: Evidence from human electrophysiology**
Psychophysiology DOI: https://doi.org/10.1111/psyp.12618
Dell'Acqua, **Doro**, Dux, Losier, Jolicœur

2015 **The attentional blink impairs detection and delays encoding of visual information: Evidence from human electrophysiology**
Journal of Cognitive Neuroscience DOI: https://doi.org/10.1162/jocn_a_00752
Dell'Acqua, Dux, Wyble, **Doro**, Sessa, Meconi, Jolicœur

PREPRINTS

N/A

N/A

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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