



# Chiara Cantoni



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## EDUCATION

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Current position	<b>PhD student</b> in Psychology and Social Neuroscience, curriculum Cognitive Social and Affective Neuroscience (CoSAN), Faculty of Medicine and Psychology, "La Sapienza" University of Rome Supervisor: Prof. Salvatore Maria Aglioti
24/10/2018	<b>Master Degree in Clinical Developmental Psychology (LM-51)</b> University of Padua Thesis: Facial mimicry and sensorimotor simulation in the representation of facial expressions in visual working memory: an electroencephalographic study Final grade: 110 cum laude
21/09/2016	<b>Bachelor Degree in Science and Techniques of Cognitive Psychology (L-24)</b> University of Trento Final grade: 105/110

## RESEARCH EXPERIENCE

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Nov 2019 – Apr 2020	<b>Research Assistant</b> Department of Developmental and Socialization Psychology, University of Padua Topic: Could visual consciousness be 'imbued' with sensorimotor qualities? Searching for the neural correlate(s) of conscious perception of emotional faces. Supervisor: Prof. Paola Sessa.
May 2019 – Nov 2019	<b>Post-lauream internship (second semester)</b> Department of Developmental and Socialization Psychology, University of Padua Topic: "Distance empathy". EEG data collection. Supervisor: Prof. Paola Sessa.
Nov 2018 – May 2019	<b>Post-lauream internship (first semester)</b> Department of Developmental and Socialization Psychology, University of Padua Topic: the link between dehumanization and empathy, tested through EEG. Supervisor: Prof. Paola Sessa.
Nov 2017 – Jun 2018	<b>Pre-lauream internship</b> Department of Developmental and Socialization Psychology, University of Padua Topic: facial mimicry and sensorimotor simulation in the representation of facial expressions in visual working memory: an electroencephalographic study. Supervisor: Prof. Paola Sessa.

## TEACHING ACTIVITY

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June 2019 – to date	Co-supervisor of Master Thesis (4 MSc)
May 2018 – May 2019	“Electrophysiology of cognitive processes” workshop, practical activity in the EEG laboratory

## GRANTS AND AWARDS

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Nov 2022	<b>"Avvio alla Ricerca - 2022" Grant</b> Project: INTerocezione ed ENDometriosis (INTENDO) Proposer
Sep 2022	<b>"SIPF Giovani Award"</b> – XXX Congresso Nazionale Società Italiana Psicofisiologia e Neuroscienze Cognitive (SIPF). Udine 15-17/09/2022. Award for the best scientific work presented at the congress by young researchers under 35 years of age. Poster title: “Bodily self-consciousness varies across the menstrual cycle”.
Mar 2022	<b>Avvio Terza Missione - 2021" Grant</b> Project: Nei panni delle leader: la realtà virtuale immersiva come strumento per promuovere l'empowerment femminile. Component member
Oct 2021	<b>"Avvio alla Ricerca - 2021" Grant</b> Project: DIGERO: Disturbi funzionali Gastrointestinali e intEROcezione Component member
Nov 2019 – Apr 2020	<b>Research Scholarship:</b> Research Assistant position for the project “Could visual consciousness be ‘imbued’ with sensorimotor qualities? Searching for the neural correlate(s) of conscious perception of emotional faces” Institution: University of Padua Advisor: Prof. Paola Sessa

## TECHNICAL SKILLS

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**Informatics:** R Studio; Matlab; Infinity; E-Prime; Labchart.

**Laboratory Skills:** EEG, ECG, EEG electrodes montage; ECG analysis; basic EEG analysis software (Fieldtrip, Brain Vision Analyzer).

## LANGUAGE SKILLS

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LANGUAGE	READING	WRITING	SPEAKING	LISTENING
English	Excellent	Very good	Very good	Very good
Spanish	Very good	Good	Good	Very good
French	Very good	Good	Good	Very good

## ATTENDED COURSES

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3-4/11/2022	Dr. Ignacio Rebollo – Electrograstrogram: Theoretical and Practical Implications
23-24/06/2022	Prof. Marco Tullio Liuzza (Università Magna Graecia di Catanzaro) – Introduction to Bayesian Modelling in R.
20-21/05/2021	Workshop Motion Capture e Animazione 3D.
14/05/2021	Prof. Marco Perugini – Foundations of power analysis and practical implementations in GPower"; "Simulations of power analysis for complex experimental designs in R".
25/05/2018	Prof.ssa Paola Sessa – "Elettrofisiologia dei processi cognitive, intersoggettività e risonanza neurale", software Brain Vision Analyzer.

## THESIS AND PUBLICATIONS

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Talk	<p>Provenzano L., Bogi C., <b>Cantoni C.</b>, Frisanco A., Salaris A., Porciello G., Panasiti M.S., Aglioti S.M., Investigating Moral Behaviour in Immersive Virtual Reality Settings by Means of an Online Dice Game. Maker Faire 2022, Rome, Italy, 7-9/10/2022.</p> <p><b>Cantoni C.</b>, Schiano Lomoriello A., Sessa P., <i>Neural empathic reactions to pain and touch are reduced by physical barriers between two individuals</i>. Cognitive Science Arena – Brixen, 7-8 February 2020.</p>
Paper submitted/ in preparation	Schiano Lomoriello A., <b>Cantoni C.</b> , Ferrari P. F. & Sessa P. (manuscript submitted to "Social Cognitive and Affective Neuroscience Journal"). Close to me but unreachable: spotting the link between peripersonal space and empathy.

## EVENTS

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Feb 2023	"Nei panni delle leader - La realtà virtuale immersiva come strumento per promuovere l'empowerment femminile nelle aziende". EY wavespace™ Rome. Co-organizer of the conference and speaker
Feb 2023	"Nei panni delle leader - La realtà virtuale immersiva come strumento per promuovere l'empowerment femminile". Aula Odeion, Sapienza University of Rome. Co-organizer of the conference and speaker
Oct 2022	"Maker Faire Rome 2022" - MAKER Istituto Italiano di Tecnologia. Practical Virtual Reality experience.
May 2022	"Perceptual and emotional awareness in healthy people and brain-damaged patients", Department of Psychology, Sapienza University of Rome. Co-organizer of the conference
Mar 2022	"Umano troppo umano - Mondi virtuali per persone reali", Sapienza University of Rome. "Obiettivo 5 - Parità di genere" Event. Practical IVR experience organizer and speaker

## THESIS AND PUBLICATIONS

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### Master thesis

Facial mimicry and sensorimotor simulation in the representation of facial expressions in visual working memory: an electroencephalographic study.  
Supervisor: Prof.ssa Paola Sessa

### Conferences

#### Poster presentation

**Cantoni C.**, Schiano Lomoriello A., Meconi F., Sessa P., *'Close to Me': neural empathic reactions are reduced by physical distance and barriers between the observer and someone in pain*. 'The Feeling brain', XXVII Congress of Società Italiana di Psicofisiologia e Neuroscienze Cognitive (SIPF). Ferrara, 14 – 16 November 2019.

**Cantoni C.**, Schiano Lomoriello A., Sessa P., *Neural empathic reactions to pain and touch are reduced by physical barriers between two individuals*. Cognitive Science Arena – Brixen, 7-8 February 2020.

Schiano Lomoriello A., Maffei A., Brigadoi S., **Cantoni C.**, Sessa P., *Probing the connection between facial mimicry and visual processing of emotions*. SANS Virtual Conference 28/04-1/05/2021.

**Cantoni C.**, Schiano Lomoriello A., Sessa P., *"Mind the plexiglass" - An invisible barrier is enough to reduce neural empathic responses to pain and touch*. ESCAN 2021 Budapest Virtual Conference 23 – 26 June 2021.

**Cantoni C.**, Salaris, A., Monti, A., Porciello, G., Aglioti, S. M., *"Bodily self-consciousness varies across the menstrual cycle"*. XXX Congresso Nazionale Società Italiana Psicofisiologia e Neuroscienze Cognitive (SIPF). Udine. 15-17/09/2022.

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*Phiana Cantoni*