

# MARCO ESPOSITO

Via Trento 17  
Brescia, BS 25128  
Italy

Email: marco.esp92@gmail.com  
Mobile: +39 3248303984

## CURRENT RESEARCH INTERESTS

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- Neuro-modulatory approaches (TMS, tES & Neurofeedback)
- Acquired language disorders (plasticity after strokes)
- Topics in brain connectivity (disrupted networks in neurological diseases)
- Linguistic processing (sensorimotor and memory contributions)
- Neurocognition of multilingualism
- Relationship between high-order cognition and different levels of arousal

## EDUCATION

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- 09.2017–present      CIMeC - University of Trento, Italy  
**MSc - Cognitive Neuroscience** (currently finishing year 1)
- 09.2016–06.2017      University of Dundee (1st year of BSc Psychology)
- 09.2012–06.2015      Università Degli Studi Di Roma Tor Vergata  
**BSc - Speech and Language Pathology** (Logopedia)  
110/110 *cum laude*
- 09.2006-07-2011      Liceo Scientifico Giuseppe Peano (Monterotondo, RM, Italy)  
Diploma of Completed Secondary Education: 87/100

## RESEARCH EXPERIENCE

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- 10.2017–2.2018      Neurophysiology Lab (IRCSS S. Giovanni di Dio Fatebenefratelli, Brescia, Italy)  
**Research Intern (Curricular internship)**
- Acquisition of know-how in working with neurophysiological data (EEG, EOG, EMG)
  - Further assistance during experimental sessions involving multimodal techniques (e.g. TMS-EEG) and transcranial electric stimulation (e.g. tDCS).
  - Designed my own experiment from the ground up (intense literature search, hypotheses formulation, experimental setting and design, data collection and analysis).
  - Broadened my knowledge about the eye-tracking system (EyeLink SR 100) especially in combination with E-Prime experiment software.
- 10.2017–2.2018      CPP-Group Lab (CIMeC - University of Trento, Italy)  
**Research Intern (Voluntary)**
- Preparation of an on-line experiment for the investigation of sound symbolism in early-blind population

- The project aims at studying the extent to which early blinds associate the sound of foreign words to their meanings
- Introduced to working with R

12.2016–06.2017

LaRC (Language Research Centre - University of Dundee, UK)

**Research Intern (Voluntary)**

- Tested participants in language comprehension tasks with use of eye-tracking
- The experiment investigated the role of Theory of Mind in the anticipation of forthcoming content during language comprehension
- A second study explored the effects of changes in distance and location on the accessibility of event-related information during language comprehension
- Preparation of visual stimuli with Gimp

**NON-RESEARCH EXPERIENCE**

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06.2015–09.2015

IRCSS Fondazione Santa Lucia

**SLT assistant (Internship)**

- Provided speech and language therapy assistance for post-stroke patients; followed-up the cognitive and behavioral state of patients in MCS
- Performed neuropsychological screening and assessment of acquired language disorders after brain injury
- Application of examination tests and assessment batteries.

06.2013–08.2013

PTV Policlinico Tor Vergata

**SLT assistant (Internship)**

- Took part in the assessment and rehabilitation of speech and swallowing disorders following laryngectomy or neurological diseases
- Improved social communication skills in a clinical environment (bed-side examination and normal therapy session)

**EXTRA COURSES CERTIFICATES**

April 2016

University of Houston (Coursera.org) – *The Bilingual Brain*

September 2015

Emeroy University (Coursera.org) – *The Addicted Brain*

**KEY SKILLS**

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Research & IT

Skilled at data collection using both qualitative and quantitative methods:

MATLAB & Psychtoolbox - Intermediate user

Good use of *OpenSesame* and *E-Prime*

Good use of *Gorilla.sc* (building experiments online)

Competent at using *Gimp*, *Adobe Photoshop* or *Audacity* (for creating stimuli)

Working knowledge of *Word*, *Excel* and *PowerPoint*.

Languages

English (C1), French (B1), Italian (native)

Driving

Full, clean licence owner

## **MAIN CONFERENCES ATTENDED**

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December 2018	CIMeC – <i>Transcranial Brain Stimulation in Cognitive Neuroscience workshop</i>
May 2018	CIMeC - <i>Workshop on Concepts, Actions and Objects</i>
October 2017	CIMeC – <i>Ten years of Mind/Brain Sciences at the University of Trento</i>
October 2014	ISS International Conference - <i>Non-Invasive Tools for Early Detection of Autism Spectrum Disorders</i>
October 2013	IRCSS Santa Lucia - <i>Il Disturbo Di Linguaggio: Modelli Neuropsicologici E Quadri Clinici In Età Evolutiva</i>

## **REFERENCES**

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References and exams transcript are available upon request