

Alice Bollini

Email: alice.bollini@univr.it

Tel: 0458027134

Nationality: Italian

Education

- 2014 - Present **PhD course in Neuroscience, Psychological and Psychiatric Sciences**
University of Verona, Department of Neurological and Movement Sciences
Section of Physiology and Psychology , Verona , Italy
Supervisor: Carlo Alberto Marzi

Neuronal correlates of visual awareness in healthy participants and hemianopic patients.

Investigation of the EEG correlates of visual awareness while participants perform a discrimination task or during resting state:

Analysis of ERPs, Time-Frequency, Source reconstruction and Functional Connectivity.

- 2014 **License to practice Psychology (Section A)**
University of Florence, Florence, Italy
- 2009 - 2012 **Master's Degree in Psychology** curriculum "Experimental Psychology"
University of Florence, Florence, Italy
110/110 cum laude
- 2006 - 2009 **Bachelor's Degree in General and Experimental Psychological Sciences**
University of Florence, Florence, Italy
106/110

Experience

- February 2016 - August 2016 **Visiting Researcher**
MRC Cognition and Brain Sciences Unit, Cambridge, UK
Supervisor: Duncan Astle

Effects of Working Memory training on the Resting-State networks:

Study of the influence of three different kinds of cognitive training in healthy subjects and exploration of the neural basis of the training effects, analyzing the MEG Resting state.

Analysis of large dataset, MEG source reconstruction, time-frequency, glm and functional connectivity.

- 2012 - 2013 **Research Assistant , Post-graduate Trainee**
University of Florence - Neurofarba department, Cognitive
Psychophysiology laboratory, Florence, Italy
Supervisor: Maria Pia Viggiano

Research activities:

- 1) Use of neurophysiological techniques like EEG and TMS
- 2) Use of augmented reality system device for neglect patient
- 3) Experimental research about trajectory and search strategy in neglect patient
- 4) Cognitive and neuropsychological test
- 5) Statistical analyses

- October 2012 - April 2013 **Placement**
IFCA I Glicini (Neurorehabilitation Unit), Florence, Italy
Supervisor: Alberto Baroni

Clinical activities:

- 1) Neuropsychological assessment of brain-damage patients
- 2) Neuropsychological rehabilitation

Skills

Research Skills:

- MEG/EEG recording
- Experimental design, Stimuli creation
- Data analysis , Statistics, MEG-EEG analysis, Functional Connectivity
- Perception, Attention, Awareness, Working Memory
- Neuropsychological assessment

Computer Skills:

- Programming: Matlab , Psychtoolbox, E-Prime.
- Data Analysis: SPM, Fieldtrip, EEGLAB, Brain Vision, FSL, MRICro, IBM SPSS
- Other: Adobe Suite, Microsoft Office, Corel Suite

Language:

- Italian (native)
- English (fluent)

- Spanish (intermediate user)

Publications and Presentations

Journal Papers:

- Bollini A., Sanchez-Lopez J., Savazzi S., Marzi C.A.. Lights from the dark: Neural responses from a blind visual hemifield. *Front. Frontiers in Neuroscience*. Invited Manuscript, in preparation.
- Peru A., Bollini A., Costanzo S., Dainelli M., Landucci L., Pezzatini D., Del Bimbo A., Viggiano M.P.. Towards a dynamic assessment of unilateral spatial neglect. *Neuropsychological Rehabilitation*. Submitted

Conference Posters:

- Bollini A., Sanchez-Lopez J., Savazzi S., Marzi C.A.. “The nature of visual experience in Blindsight type II: evidence from EEG in a hemianopic patient.” SIFP XXIV National Congress, Milan, October 2016.
- Bollini A., Sanchez-Lopez J., Savazzi S., Marzi C.A.. “Dall’Oscurità alla luce: risposte neurali provenienti dal campo “cieco. AIP Annual Congress, Roma, September 2016.
- Bollini A., Sanchez-Lopez J., Pedersini C.A., Moro S., Savazzi S., Marzi C.A.. “Neural correlates of visual perception in the blind field of hemianopic patients.” SINP Annual Meeting, Padua, November 2015.
- Bollini A., Sanchez-Lopez J., Pedersini C.A., Moro S., Savazzi S., Marzi C.A.. “Neural correlates of visual perception in the blind field of hemianopic patients.” Concepts, Actions, and Objects Workshop, Rovereto, May 2015.
- Bollini A., Sanchez-Lopez J., Pedersini C.A., Moro S., Savazzi S., Marzi C.A.. “Brain dynamics of visual awareness in the affected field of a Hemianopic patient.” EBPS-EBBS Joint Meeting, Verona, September 2015

Conference Talks:

- Bollini A., Sanchez-Lopez J., Marzi C.A.. “Electrophysiological Correlates of Visual Imagery.” Cognitive Science Arena (CSA). Brixen BZ , February 2015

Advance Training

- **MEG Operator Qualification**, MRC CBU, Cambridge, uk
- **MEG Researcher Qualification**, MRC CBU, Cambridge, uk
- **20th EEGLAB Workshop**, 1-4/09/2015, Sheffield, UK.
- Summer School: **AIP School “ Neuroscience and Imaging Methodology”**, 23-26/05/2014, Chieti, Italy

I authorize the use of my personal data in compliance with Legislative Decree 196/03.