

PERSONAL INFORMATION

Letizia Casiraghi



 Via Venusti 6, 23100 Sondrio (Italy)

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Sex Female | Date of birth 31/08/1987 | Nationality Italian

POSITION

Psychologist and Magnetic Resonance Imaging (MRI) researcher

WORK EXPERIENCE

01/11/2015–Present

Post Doc

Department of Brain and Behavioral Sciences, University of Pavia (Italy)

Development and implementation of an **fMRI project on the cerebellar involvement in cognitive functions (action observation and execution)**.

20/04/2013–Present

Lecturer - EPG (practice exercises)

Department of Brain and Behavioral Sciences, University of Pavia (Italy)

Teaching "**cerebellar mechanisms and cognitive processing**" (master class in psychology)

01/02/2016–30/04/2016

Visiting fellowship at Wellcome Trust Centre for Neuroimaging (University College of London)

London (England)

Collaboration with Professor **Karl Friston** (FIL, Functional Imaging Laboratory, UCL)

29/04/2015–29/04/2015

Higher education teaching professional

Zaira Cattaneo, University of Milano Bicocca, Milano (Italy)

Teaching "**Cerebellum and Cognition**" ("Methods and techniques of neuropsychological assessment" course, "Psychological sciences and techniques")

14/05/2012–30/10/2012

MRI research

National Neurological Institute C. Mondino, Via Mondino 2, Pavia (Italy)

Collaborator on GR-2009-1575236 project ("*Preclinical detection of Alzheimer's Disease by advanced MRI techniques: functional MRI and Diffusion Tensor Imaging*"). Literature study, data collection and analysis (pre and post processing)

01/06/2009–30/07/2009

Secretary

Department of Psychology, University of Pavia, Piazza Botta 6, Pavia (Italy)

Part-time as secretaryship (assistance to professors and students and monitoring of the lecture room)

EDUCATION AND TRAINING

01/01/2017–Present

Psychoterapist

Scuola di Psicoterapia Cognitivo-Comportamentale Studi Cognitivi, Milano (Italy)

- 17/10/2012–19/01/2016 **PhD in Psychology, Health and Statistical Sciences**
 Department of Brain and Behavioural Sciences, University of Pavia; Brain Connectivity Center (BCC), National Neurological Institute C. Mondino, Via Mondino 2, Pavia (Italy)
 Curriculum: High Education Ph.d in Psychology and Cognitive Neuroscience
 Thesis title: ***“Who will develop Alzheimer’s Disease. New insights from multimodal neuroimaging”***.
 Supervisor: Prof. Tomaso Elia Vecchi
- 2013 **Psychologist**
 State certification exam
- 08/03/2013–08/09/2013 **PhD collaboration**
 Medicine Department, University of Salerno, Salerno (Italy)
Improvement in Resting State fMRI analysis techniques.
 Supervisors: Prof. **Francesco di Salle** and Prof. **Fabrizio Esposito**
- 15/03/2012–15/09/2012 **Stage on Experimental Psychology (500 hours)**
 Department of Psychology, University of Pavia, Pavia (Italy)
 Supervisor: Prof. Tomaso Elia Vecchi
- 01/10/2009–08/09/2011 **Master in Psychology (110/110 cum laude)**
 Department of Psychology, University of Pavia, Pavia (Italy)
 Experimental psychology, clinical neuropsychology, ageing psychology, neurosciences, developmental psychology, cognitive modelling, learning psychology and psychiatry.
 Experimental Thesis: ***“Cortico-cerebellar activity and audio-motor integration: a MEG study”***
 Supervisor: Prof. Tomaso Elia Vecchi
- 30/01/2010–30/07/2010 **ERASMUS**
 Université Paul-Valéry, Montpellier 3, Montpellier (France)
 Dynamiques de la cognition, approches cliniques, neuropsychologie et psychogérontologie, langue française et méthodologie.
- 01/10/2006–30/07/2009 **Bachelor in Psychology (106/110)**
 Department of Psychology, University of Pavia, Pavia (Italy)
 Research methodology, statistics, genetics, scientific english, informatics, general psychology, pedagogy, neuropsychology and rehabilitation.
 Thesis: ***“Correlations between Gilles De la Tourette Syndrome and psychosis”***
- 01/01/2009–30/06/2009 **Stage on Clinical Psychology (500 hours)**
 Department of Psychology, University of Pavia; National Neurological Institute IRCCS Casimiro Mondino, Via Mondino 2, Pavia (Italy)
 Assistance of patients with: anorexia nervosa, genetics abnormalities, neurological diseases and psychiatric syndromes.

01/06/2001–01/07/2006

Secondary School Diploma (87/100)

Scientific Liceum C.Donegani, Sondrio (Italy)

Mathematics, Physics, Biology, Chemistry, Italian and European Literature, English, History, Philosophy, ...

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
French	B2	B2	B1	B1	B1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills

Good communication skills gained through the oral presentations at national and international conferences and lectures aimed at University students and healthcare operators. Team-working during the PhD and in the psychotherapy training improved my ability to interact and communicate with others. Good adaptability and social skills gained through the Erasmus experience and other work experiences abroad.

Organisational / managerial skills

Good organisational skills gained as Post Doc in the laboratory, helping students on master thesis and planning experiments.

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Proficient user	Independent user	Independent user	Independent user

Digital competences - Self-assessment grid

ECDL (European Computer Driving Licence)

Software: SPSS (Statistical Package for the Social Science), BrainVoyager, SPM8 (Statistical Parametric Mapping), FSL (FMRIB Software Library).

Preprocessing of structural and functional MRI data. Post-processing analysis of MRI data: Voxel Based Morphometry (VBM – SPM8), Independent Component Analysis (ICA – Brain Voyager QX), Melodic ICA and Dual Regression (FSL), SEED based analysis (Brain Voyager QX). Single Subject and Group analysis.

Driving licence B

ADDITIONAL INFORMATION

Honours and awards ISMRM trainee/Educational Stipend (2014 / 2015 / 2016)

Conferences
(Presentations/Proceedings)

22/04/2017–27/04/2017

25th Annual Meeting of the International Society for Magnetic Resonance in Medicine (ISMRM)

2017; Honolulu, Hawaii)

E-Poster presentation: *"Linear and non-linear BOLD effects in grip force execution are reproduced in observation"* (L. Casiraghi, A. Alahmadi, K. Friston, C.A.M. Gandini Wheeler Kingshott, E. D'Angelo)

07/05/2016–13/05/2016**24th Annual Meeting of the International Society for Magnetic Resonance in Medicine (ISMRM 2016; Singapore, Singapore)**

Oral presentation: *"Who will develop Alzheimer's disease? New insights from multimodal neuroimaging"* (L. Casiraghi, F. Palesi, G. Castellazzi, A. De Rinaldis, E. Sinforiani, C.A.M. Gandini Wheeler Kingshott, E. D'Angelo, C. Di Perri)

10/09/2015-12/09/2015**21th Annual Meeting of the Experimental Psychology Chapter of the Italian Association of Psychology - AIP (Rovereto, Italy)**

Oral presentation: *"A cognitive role of the cerebellum in predictive functions: evidence from Transcranial Magnetic Stimulation"* (L. Casiraghi, C. Ferrari, V. Oldrati, S. Bergonzoli, Z. Cattaneo, T. Vecchi)

14/06/2015–18/06/2015**21th Annual Meeting of the Organisation for Human Brain Mapping (OHBM 2015; Honolulu, USA)**

Poster presented: *"Initial evidence for the correlation of extended functional alterations with MCI-AD conversion"* (L. Casiraghi, G. Castellazzi, F. Palesi, A. De Rinaldis, E. Sinforiani, S. Bastianello, C. AM Wheeler-Kingshott, E. D'Angelo, C. Di Perri)

30/05/2015–05/06/2015**23th Annual Meeting of the International Society for Magnetic Resonance in Medicine (ISMRM 2015; Toronto, Canada)**

Poster presented: *"Functional connectivity of altered grey matter regions in Autism Spectrum Disorder: correlations with clinical testing"* (L. Casiraghi, F. Palesi, G. Castellazzi, A. De Rinaldis, C. Di Perri, C. AM Wheeler-Kingshott, E. D'Angelo)

03/07/2014–04/07/2014**6th International Congress of the Society for Research in the Cerebellum (Rome). Cerebellar contribution to brain function: from molecules to behaviour.****10/05/2014–16/05/2014****22th Annual Meeting of the International Society for Magnetic Resonance in Medicine (ISMRM 2014; Milan, Italy)**

Poster presented: *"Coexistence of enhanced and reduced Default Mode Network functional connectivity in Autism Spectrum Disorder"* (L. Casiraghi, C. Pesola, C. Di Perri, F. Esposito, F. Di Salle)

16/06/2013–20/06/2013**19th Annual Meeting of the Organisation for Human Brain Mapping (OHBM 2013; Seattle, USA)**

Poster presented: *"Different involvement of Default Mode Network in Alzheimer Disease and Amyotrophic Lateral Sclerosis"* (L. Casiraghi, G. Castellazzi, F. Palesi, E. Alvisi, C. Di Perri, P. Vitali, E. Sinforiani, M. Ceroni, E. D'Angelo, S. Bastianello)

20/06/2012–22/06/2012

13th European Workshop on Imagery and Cognition (EWIC 2012). Ruhr-Universität Bochum, Bochum (Germany)