



Marco Buiatti

Place of birth: Firenze, Italy | **Nationality:** Italian | **Phone number:** (+39) 3389822793 (Mobile) | **Email address:**

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● WORK EXPERIENCE

 **UNIVERSITY OF TRENTO – ROVERETO, ITALY**

TECHNICIAN (CAT. EP), LAB MANAGER OF THE BABY LAB AND THE NEONATAL NEUROIMAGING UNIT, CENTER FOR MIND/BRAIN SCIENCES (CIMEC) – 01/01/2015 – CURRENT

EEG FACILITY MANAGEMENT:

- Installation, operation and maintenance of the Neonatal Neuroimaging Unit and of the Baby Lab (newborn and infant EEG and behavioural facilities)

DEVELOPMENT OF NEUROSCIENCE METHODS:

- Data analysis: development of original methods for newborn/infant EEG data analysis, including artefact correction, frequency-tagging, source reconstruction.
- Hardware development: development of a portable, wireless EEG system for infants.

COGNITIVE NEUROSCIENCE RESEARCH:

- Research projects on early neurocognitive predispositions in newborns (face and motion perception, number cognition, multisensory integration) and semantic processing.

PROJECT MANAGEMENT/TEACHING/SUPERVISION/INSTITUTIONAL WORK:

- Co-managed ERC grants: conceptual design, supervision, and reporting.
- Supervised 10+ MSc/PhD/postdocs; organized internal training programs.
- Appointed CIMEC referent for GDPR regulation compliance in research.

 **INSERM – SACLAY, FRANCE**

TECHNICAL DIRECTOR (CAT. IR2), MAGNETOENCEPHALOGRAPHY LAB, INSERM COGNITIVE NEUROIMAGING UNIT (U992), NEUROSPIN – 01/01/2010 – 31/12/2014

M-EEG FACILITY MANAGEMENT:

- Operation and maintenance of the NEUROSPIN Magnetoencephalography (MEG) Lab.

TRAINING/SUPERVISION:

- Training of lab users for MEG data acquisition and analysis.
- Supervision of students (Master, PhD)

COGNITIVE NEUROSCIENCE RESEARCH:

- Research projects on reading, semantic processing, consciousness.

CONFERENCE ORGANIZATION:

- Co-organized an international conference on Biomagnetism (BIOMAG 2012 - Paris (France))

 **UNIVERSITY OF TRENTO – ROVERETO, FRANCE**

POSTDOCTORAL RESEARCH FELLOW, CENTER FOR MIND/BRAIN SCIENCES (CIMEC) – 01/01/2007 – 31/12/2009

DEVELOPMENT OF NEUROSCIENCE METHODS:

- Developed a novel method (ADJUST) for automatic EEG artifact removal.

COGNITIVE NEUROSCIENCE RESEARCH

- Research projects in speech processing and reading.

TEACHING:

- Teaching “Advanced Methods of EEG/MEG Data Analysis” within the graduate course “Methods for cognitive and clinical neurosciences”, Department of Cognitive Sciences, University of Trento.

 **INSERM – ORSAY, FRANCE**

POSTDOCTORAL RESEARCH FELLOW, INSERM COGNITIVE NEUROIMAGING UNIT (U992) – 01/06/2005 – 31/12/2006

COGNITIVE NEUROSCIENCE RESEARCH:

- Applied for the first time a method of EEG data analysis (frequency-tagging) to study the neural bases of statistical learning in speech processing.

 **CNRS** – PARIS, FRANCE

POSTDOCTORAL RESEARCH FELLOW, NEUROPHYSICS AND PHYSIOLOGY LABORATORY (CNRS U8119) –
01/03/2002 – 31/05/2005

COMPUTATIONAL NEUROSCIENCE RESEARCH:

- Computational neuroscience of vision.
- Research project on the role of EEG long-range temporal correlations in hypothesis testing.

 **CNR** – PISA, ITALY

POSTGRADUATE RESEARCH FELLOW, BIOPHYSICS INSTITUTE (CNR) – 15/03/1998 – 14/03/1999

- Research project on dynamical systems exhibiting long-range temporal correlations and on their application to study the distribution of nucleotides in DNA sequences.

● **EDUCATION AND TRAINING**

01/10/2002 – 17/11/2006 Paris, France

PHD IN COGNITIVE NEUROSCIENCES Université Pierre et Marie Curie

Website <https://www.sorbonne-universite.fr/en/sorbonne-universite-campus-pierre-et-marie-curie>

01/06/1999 – 30/09/2001 London, United Kingdom

MASTER (MPHIL) IN COMPUTATIONAL NEUROSCIENCES Gatsby Computational Neuroscience Unit,
University College London

Website <https://www.ucl.ac.uk/gatsby/gatsby-computational-neuroscience-unit>

01/11/1990 – 07/07/1997 Pisa, Italy

LAUREA DEGREE IN PHYSICS (BACHELOR + MSC) University of Pisa

Website <https://www.unipi.it/>

● **LANGUAGE SKILLS**

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	B2	C1	C1	C1
FRENCH	B2	C1	C1	C1	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● **SKILLS**

Microsoft Office package: Microsoft Word, Excel, PowerPoint, Access | Google Suite (Doc, Slides, Form, Sheet, Drive) |
Programming: Matlab | Matlab toolboxes for EEG analyses (fieldtrip, EEGLab, Brainstorm)

● **PUBLICATIONS**

01/01/1998 – CURRENT

PUBLICATIONS

Over 30 peer-reviewed publications and 3 book chapters. For a list, see my [Scholar profile](#).

Link <https://scholar.google.it/citations?user=YzUYghgAAAAJ&hl=it&oi=ao>