PERSONAL INFORMATION   **Anna Nigri**

📍 Fondazione IRCCS Istituto Neurologico Carlo Besta
UO Neuroradiology
Via Celoria 11, Milano, Italy

✉ anna.nigri@istituto-besta.it

Gender: F | *Nationality:* Italian

ORCID: 0000-0002-1197-5458

WORK EXPERIENCE

2011 – to date   **Researcher**

Fondazione IRCCS Istituto Neurologico Carlo Besta, UO Neuroradiology, Milan (Italy)

- Coordination of research activities on different projects; harmonization of MRI sequences; creation of work hypotheses, definition and set up of the analysis pipelines for neuroimaging data

2010   **Reasearch assistant - Neuroimaging lab**

University of Trieste - Faculty of Bioengineer

- Analysis of neuroimaging data

EDUCATION AND TRAINING

2013-2017   **PhD in Biomedical Engineering**

Polytechnic of Turin (Italy)

- Thesis on advanced fMRI analyses - machine learning

2017   **PhD visiting - M. Monti Lab**

University of California Los Angeles (UCLA) - Psychology Department, Los Angeles (USA)

- Structural MRI analysis of subcortical and cortical structure in patients with disorders of consciousness

2015   **Pulse Programming course for MRI sequences**

Gyrotools (Philips healthcare), Zurich (Switzerland)

- Pulse Programming for Philips MRI sequences

2008-2010   **Master Degree in Clinical Engineering**

University of Trieste, Faculty of Engineering, Trieste (Italy)

- Neuroimaging, Clinical engineering

2009   **Erasmus training - Master Degree**

Maastricht Brain Imaging Center – Department of Cognitive Neuroscience, University of Maastricht, Maastricht (Netherlands)

- Advanced Neuroimaging techniques (functional magnetic resonance imaging fMRI, DTI)

2004-2008   **Bachelor degree in Electronic Engineering (Biomedical curriculum)**

University of Trieste, Faculty of Engineering, Trieste (Italy)

- Neuroimaging

2007-2008	**Socrates Project for thesis - Bachelor Degree**

Maastricht Brain Imaging Center – Department of Cognitive Neuroscience, University of Maastricht, Maastricht (Netherlands)

▪ Advanced Neuroimaging techniques (Diffusion Tensor Imaging DTI)

ACHIEVEMENTS AND AWARD

Grants

Co-PI, Minister of Health | October 2018
Clinical usefulness of large-scale networks in Disorders of Consciousness: translation of advanced imaging to clinical practice
(171.000,00 €)

Coordinator of Unit2, Minister of Health | January 2021
Multimodal magnetic resonance imaging in a large sample of ALS patients: identification of clinical phenotypes and prediction of disease progression (140.000,00 €)

Patents

Co-owner of the patent: "SHE-BRAIN: wearable stereotactic device for low-intensity focused ultrasound neuromodulation" - 2022

TEACHING ACTIVITY

2010 Brainvoyager software for fMRI analyses
University of Padova - Faculty of Psychology, Padova (Italy)

TECHNICAL SKILLS

sMRI: FSL, Freesurfer, 3D-Slicer, ITK-SNAP
fMRI: FSL, SPM, Brainvoyager QX, GIFT, PRoNTo, CONN, DPABI
QSM: STI suite, MEDI
DTI: Explore-DTI, Trackvis, DTI-STUDIO, NODDI toolbox
Statistics: basic R, RapidMiner, Machine learning toolbox
Software for implementation of paradigms: E-Prime, Cogent, Presentation
Programming languages: MATLAB, UNIX, PYTHON
Pulse Programming course for MRI sequences