



Mauro Costagli

Fixed-term assistant professor

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Education and training

2010

Ph.D. in Molecular Metabolic and Functional Exploration of the Nervous System and Sensory Organs

High-field functional magnetic resonance imaging reveals different patterns of responses elicited by transient changes in visual motion coherency

University of Pisa - Pisa - IT

2004

M.Sc. in Telecommunication Engineering

Bayesian Source Separation of Astrophysical Images Using Particle Filters - 109/110

University of Pisa - Pisa - IT

Academic experience

2020 - ONGOING

Ricercatore

University of Genova - Genova - IT

2017 - 2020

Contract Professor

IMT School of Advanced Studies Lucca - Lucca - IT

2013 - 2020

Researcher

IRCCS Stella Maris Hospital and Research Institute - Pisa - IT

2011 - 2020

Researcher

IMAGO 7 Research Foundation - Pisa - IT

2004 - 2011

Researcher

RIKEN Brain Science Institute - Wako-shi - JP

2003 - 2004

Graduate Fellow

Italian National Research Council (CNR) - Pisa - IT

Research interests

My scientific activity focuses on magnetic resonance imaging (MRI), including both its technological development and applications to clinical research and neuroscience. In particular, I am interested in acquisition techniques, image reconstruction and data analysis for high (3T) and ultra-high (7T) field systems. Currently I am involved mainly in magnetic susceptibility imaging (SWI, QSM), functional imaging (fMRI, fQSM) and magnetic resonance fingerprinting (MRF).