

**PERSONAL INFORMATION**

Name: Laura Biagi  
Email: [laura.biagi@fsm.unipi.it](mailto:laura.biagi@fsm.unipi.it), [laura.biagi@gmail.com](mailto:laura.biagi@gmail.com)  
Nationality: Italian  
Date of birth: 06 Nov 1975

**WORKING EXPERIENCE**

From-to	December 2012 – date
Name of employer	IRCCS Fondazione Stella Maris, Pisa
Position	Permanent work, Physicist @ Magnetic Resonance Laboratory

From-to	April 2013 – August 2016
Name of employer	IRCCS Fondazione Stella Maris, Pisa
Position	Contract work
Description	Contract for the project <i>“Development of technology for the diagnostic characterization and post-surgical and post-chemotherapy monitoring of pediatric brain tumors using ultra high field MRI (7 Tesla)”</i>

From-to	June 2012 – November 2012
Name of employer	IRCCS Fondazione Stella Maris, Pisa
Position	Fixed-term contract, Physicist @ Magnetic Resonance Lab

Maternity leave from Jan 2012 to May 2012

From-to	January 2011 – December 2011
Name of employer	IRCCS Fondazione Stella Maris, Pisa
Position	Fixed-term contract, Physicist, @ Magnetic Resonance Lab

From-to	July 2009 – December 2010
Name of employer	IRCCS Fondazione Stella Maris, Pisa
Position	Fixed-term contract , Physicist, @ Magnetic Resonance Lab

From-to	January 2009 – April 2009
Name of employer	Università Vita-Salute San Raffaele, Milan
Position	Contract work
Description	Contract for the project <i>“MEasuring and MOdelling Relativistic-like effects in brain and NCSs”</i> with the specific job of fMRI data acquisition and elaboration.

From-to	March 2008 – December 2008
Name of employer	IRCCS Fondazione Stella Maris, Pisa
Position	Contract work
Description	Contract for the current research of the Institute, with the specific aim of acquisition and elaboration of MR signals.

Maternity leave from Jan 2008 to May 2008

From-to	Agosto 2007 – Dicembre 2007
Name of employer	Università degli studi di Pisa, Pisa

Position	Collaboration
Description	Collaboration for the project Prin 2005 “The effect of eye position and of the gaze on the visual functionality in normal subjects and in patients with brain lesions” with the specific job of fMRI data acquisition and elaboration
From-to	2007
Name of employer	Spedali civili di Brescia (Public Hospital of Italian National Health Service)
Position	External consulting
Description	Consulting for the implementation and the optimization of systems for fMRI data acquisition and elaboration
From-to	January 2005 – December 2007
Name of employer	IRCCS Fondazione Stella Maris, Pisa
Position	Three-year contract for young investigator
Description	Contract for the project F.I.R.B. “ <i>Plasticità cerebrale sensitivo-motoria e cognitiva nell'uomo: imaging funzionale integrato</i> ” (“Sensory, motor and cognitive cerebral plasticity: integrating functional imaging”) with the specific job of fMRI data acquisition and elaboration (sensory, motor, visual and linguistic stimuli, both in healthy controls both in patients)
From-to	January 2002 – December 2004
Name of employer	IRCCS Fondazione Stella Maris, Pisa
Position	External Collaborator
Description	Collaborator at MR Laboratory with focus on MR advance techniques in pediatric age: <ol style="list-style-type: none"> <li>1. fMRI data acquisition and data analysis (research and clinical protocols);</li> <li>2. study of the cerebral proton diffusion and Fiber tractography;</li> <li>3. Study of cerebral perfusion;</li> <li>4. Feasibility studies of combined acquisition of EEG and fMRI</li> </ol>

## EDUCATION AND TRAINING

From-to	July 2006
Activity	RF coils Research activity at the “Applied Sciences: Radiofrequency” laboratory, GE Healthcare Medical Systems, California, USA. Aim of the project: building a flexible dual-tuned rf coil for the acquisition of the $^1\text{H}$ and $^{31}\text{P}$ signals in the human muscle @ 1.5T
Title awarded	<b>PhD in Applied Physics</b>
From – to	January 2002 – December 2004.
Name of organisation providing education	<i>Dottorato di Ricerca in Fisica Applicata presso l'Università degli Studi di Pisa</i> (PhD Course on Applied Physics at University of Pisa)
Principal subjects	Attended courses (with final exam) “Experimental Techniques”, “Methods for image reconstruction”, “Neurophysiology”. The thesis work was developed at the Magnetic Resonance Laboratory of the Stella Maris Scientific Institute (Pisa). It was directed to the implementation and the study of rf-pulse sequences for MR, able to measure in vivo the cerebral perfusion. In particular, it was focused especially on the study of the Arterial Spin Labeling (ASL) technique as alternative method to detect cortical activations. This

	technique was compared with the more known and used technique of BOLD (Blood Oxygenation Level Dependent). Title of the thesis “ <b>Quantitative Measurements of Cerebral Perfusion by Nuclear Magnetic Resonance: Applications to Human Functional Studies</b> ”
Title awarded	<b>Laurea Degree in Physics (grading 110/110)</b>
From – to	1995 – 2001.
Name of organisation providing education	<i>Corso di Laurea in Fisica (vecchio ordinamento) presso l’Università degli Studi di Pisa</i> (Master Degree in Physics at University of Pisa)
Title awarded	<b>Diploma of Liceo Classico (grading 54/60)</b>
From – to	1989 – 1994
Name of organisation providing education	<i>Liceo Classico “Niccolò Machiavlli”, Lucca</i>

**PERSONAL SKILLS AND COMPETENCES**

MOTHER TONGUE	Italian
OTHER LANGUAGE	English
• Reading skills	excellent
• Writing skills	Very good
• Verbal skills	Very good
DRIVING LICENCE	license BE
SOCIAL SKILLS AND COMPETENCES	<p>My work on neuroimaging (from 2002 until now) needs a constant collaboration and dialogue between people with different professional skills (radiologists, neuropsychologists, neuro-physiologists, neuro-psychiatrists, physicists, engineers) and an huge exchange of information with essential reciprocal transfer of competences.</p> <p>This aspect is highlighted from the training features of the Stella Maris Scientific Institute, that is site of few medical classes of the University of Pisa.</p> <p>Moreover, IRCCS Stella Maris is an Institute devoted to the study of neurological and psychiatric diseases of pediatric age, and to the developmental neurosciences. Thus, the work there requests necessarily clear communicating skills, also in the dealing with children in difficult situations as during a hospitalization or a MR exam.</p>
ORGANIZATIONAL SKILLS AND COMPETENCES	<ul style="list-style-type: none"> <li>- Large experience in management of MR sites and scanners (from 1.5T to 7T), from installation to clinical applications.</li> <li>- Large experience in drafting projects for the achievement of ministerial (Italian) and European funding, in particular regarding clinical studies.</li> <li>- Large experience in drafting scientific and economics reports for research projects.</li> </ul>

- Large experience in management of procedures and documentation for authorization by Ethical Committees and Italian Ministerial Offices for clinical trials on no-CE medical devices, like not commercial MR scanner (7T).
- Large experience in multicentre national and international research studies, as collaborator and/or as responsible of WP or Unit.
- Experience in management of research activity in a laboratory, with supervision of people with different professional skills and university students (under-grade, PhD).

**TECHNICAL SKILLS  
AND COMPETENCES**

Use of Magnetic Resonance scanner:

1.5T-3T GE Healthcare (Signa- HDx – DV - SIGNA PREMIER) systems  
7.0T GE Healthcare (MR950-SIGNA7T) systems  
1.5 T Siemens (Avanto) systems

Informatic Competences

Multi Platforms: Windows, Mac, Unix, Linux  
Many standard software applications (Microsoft Office package, Adobe package, Microcal Origin, LaTeX) and neuroimaging dedicated software (Brainvoyager, ImageJ, Osiris, SPM, MRICro, Freesurfer, MRtrix, FSL)  
Programming languages: Matlab, IDL, Presentation, Labview

**ADDITIONAL INFORMATION**

Orcid: <https://orcid.org/0000-0003-2159-439X>

- h-index=26 (Scopus)
- co-author of more than 60 full papers and 150 peer reviewed abstracts
- more than sixty among attended international courses, scientific meetings, and workshops (2002-2022)
- 18 talks among invited lectures and oral presentations
- 2 moderations at national and international congress

from 2010	full-member of the AIRMM
2006-2008	member of Associazione Italiana di Fisica Medica (AIFM) (Italian Society for Medical Physics)
2003-2009	student-member of the ISMRM

**ANNEXES**

- A.1. Research Activity
- A.2. List of publications
- A.3. Active participation to congresses and meetings
- A.4. Continuing education and training activities

Lucca, April 10<sup>th</sup> 2023

On trust

Laura Biagi

## **ANNEX A.1. Research activity**

### **Scientific responsibility for international and national research projects, admitted for funding on the basis of competitive calls that provide for peer review**

- Co-PI and responsible of UO in the project “young researcher” (Giovane Ricercatore) in the framework of Ricerca Finalizzata, GR- 2010-2317873 “Supporting an early autism spectrum disorder diagnosis through the support vector machine approach”. Financing Agency: Ministero della Salute. 2012-2016
- Co-PI in the project “young researcher” (Giovane Ricercatore) in the framework of Ricerca Finalizzata, GR-2011-02350053 “Action-Observation Therapy (AOT) and Information and Communications Technologies (ICT) for Home Rehabilitation of Children with Hemiplegia”. Financing Agency: Ministero della Salute. 2014-2018
- Responsible of UO3 of the project RF-2016-02361560 “Childhood apraxia of speech: neurobiological and behavioural markers and experience”, in the framework of the Ricerca Finalizzata. Financing Agency: Ministero della Salute. 2018-2022
- coLeader of WP5 of the project “From Stratification to Personalized Imaging in Neurology/Neuroscience: growing the synergy between high and ultra-high field MRI in the RIN network (SPIN)”, in the framework of the Ricerca Corrente delle Reti degli IRCCS 2022. Financing Agency: Ministero della Salute. (1/1/22-30/6/2023)

### **Participation in the activities of a research group characterized by national or international collaborations**

#### **Progetti finanziati dal Ministero della Salute**

- Ricerca Finalizzata RF 1/99 UO2 “Studio RM morfologico e funzionale nelle lesioni ischemiche focali del neonato e dell'adulto”. Financing Agency: Ministero Salute. 2001-2003.
- Ricerca Finalizzata RF5/00 UO1 “Malattia di Alzheimer e Sindrome di Down: correlazioni neurobiologiche, neuropsicologiche e cliniche”. Financing Agency: Ministero Salute. 2001-2005.
- Ricerca Finalizzata UO2 RF 4/00 “Contributo della risonanza magnetica funzionale allo studio della riorganizzazione funzionale dopo lesioni cerebrali nel bambino”. Financing Agency: Ministero. 2002-2004.
- Ricerca Finalizzata RF 2/02 UO1 “Aspetti epidemiologici, clinico-diagnostici (biochimici e di neuroimmagine) e follow-up dei pazienti”. Financing Agency: Ministero Salute. 2003-2005.
- Ricerca Finalizzata RF-PS\_1-07. Financing Agency: Ministero Salute. 2010-2011.
- Ricerca Finalizzata RF-RI\_UO5-08 “ADHD: new models for symptoms, innovative diagnostic markers, and novel targets for therapy”. Financing Agency: Ministero Salute. 2010-2012
- Ricerca corrente del gruppo di Neuroimaging (RCR 2016-2018-2019) della Rete Italiana IRCCS delle Neuroscienze e della Riabilitazione (RIN). Financing Agency: Ministero della Salute 2016-2023
- Ricerca Corrente Reti-RCR 2018 IRCCS - Rete Pediatrica degli IRCCS IDEA 2018-2019. Project “Bianca IDEA- Biomarker Imaging and New Challenging Approaches to assess white matter disorders in developmental age” Ministero della Salute. 2018-2019
- Ricerca Corrente Reti-RCR 2019 IRCCS - Rete Pediatrica degli IRCCS IDEA 2019-2020. Project “ Bianca IDEA- fase II. Biomarker Imaging and New Challenging Approaches to assess white matter disorders in developmental age” Ministero della Salute. 2019-2020

- MEF - Fondi Ricerca Sanitaria. Pediatric Network IRCCS Ministry of Health Rete IDEA “DeBrAln: An integrated network for studying developmental brain disorders (DeBrAln). Ministero della Salute. 2018-2023
- PNC\_ Italian network of excellence for advanced diagnosis (INNOVA) (UO -Spoke) Ministero della Salute dal 2022
- PNRR-MR1-2022-12375648 “The Fingerprinting of Inherited leukoencephalopathies: A new Brain imaging, genetic and clinical Assessment (FIABA)” Ministero della Salute. 2023-2025

### **Progetti finanziati dall’Unione Europea**

- FP6-2005-NEST-Path “MEasuring and MOdelling Relativistic-like effects in brain and NCSs (MEMORY)”. Financing Agency: EU- FP6. 2009-2009
- Work group on brain imaging “European Ultrahigh-Field Imaging Network in Neurodegenerative Diseases” (EUFIND), in the framework of Joint Programme – Neurodegenerative Disease Research (JPND). 2016-2020
- EULAC Health JOINT CALL 2016-2017, project ANNAA “Assessing mechanisms of Neurodegeneration and Neuroprotection by multimodal Neuroimaging: from healthy Aging to Alzheimer’s Disease”. 2018-2022
- EMPIR European Metrology Programme for Innovation and Research (EMPIR) EURAMET JRP h08 QUIERO (QUAntitative Imaging Enables Reproducible Outcomes) Quantitative MR-based imaging of physical biomarkers. 2019-2022
- EU - EIC Transition Open and Challenges 2021 call “MITI - Non-ionizing Metabolic Imaging for predicting the effect of and guiding Therapeutic Interventions” 2021-2024

### **Progetti finanziati da FONDAZIONI**

- FEM 1/09\_TELETHON GGP09196 “Identification of neuronal substrates of Rett syndrome and validation of therapies in preclinical models: a genomic, morphofunctional, and behavioural analysis in mouse models and patients”. Financing Agency: Telethon. 2012-2013.
- FONDAZIONE PISA 133-11 “XXXX”. Financing Agency: Fondazione Cassa di Risparmio di Pisa. 2013-2016.
- FONDAZIONE PISA “Train the Brain -Cognitive and Physical Training for Slowing Dementia (TTB)”. Financing Agency: Fondazione Pisa. 2012-2016.
- FONDAZIONE CARIPLO “A systematic molecular study of neuroimmune mechanisms in aging”. Financing Agency: Fondazione Cariplo. 10.04.15 - 09.04.19.
- FONDAZIONE PISA 2016 “Translational assessment on neuroinflammation in aging”. Financing Agency: Fondazione Pisa. 15.10.17 -14.10.20.

### **Progetti finanziati da altri enti**

- BANDO FAS SALUTE 2014 Regione Toscana “Arianna. Ambiente Di Ricerca Interdisciplinare Per L’Analisi Di Neuroimmagini Nell’Autismo”. Financing Agency: Regione Toscana. 2016-2018
- BriC-INAIL 2016 “ID 39. Modello computazionale e predizione quantitativa del SAR indotto dal campo elettromagnetico in Risonanza Magnetica a 7 Tesla in vivo sull’uomo nello studio del sistema muscolo scheletrico” Financing Agency: INAIL. 2017-2020

- Ricerca RT 8/01\_MIUR "Plasticità cerebrale sensitivo-motoria e cognitiva nell'uomo: imaging funzionale integrato". Financing Agency: MIUR-FIRB. 2005-2007

### **Responsibility for scientific studies and researches entrusted by qualified public or private institutions**

Responsible of projects in the framework of current research (Ricerca Corrente) in the branch of "Neuroimaging: tecnologia e tecniche avanzate RM nelle neuroscienze di base e dello sviluppo" of IRCCS Fondazione Stella Maris. Financing Agency: Ministero della Salute. Titles:

- "Beyond the lesion: tecniche avanzate RM per la caratterizzazione dei danni cerebrali oltre i limiti dell'imaging convenzionale e la diagnosi clinica". 2013-2015
- "Tissue Border Enhancement (TBE): nuove sequenze ottenute a UHFMR nel loro utilizzo nella diagnostica clinica (dal 7T a 1.5T)". 2013-2014
- "Beyond the anatomy: tecniche avanzate RM per la caratterizzazione della organizzazione cerebrale oltre i limiti dell'imaging convenzionale". 2016-2018
- "From technology MR development to personalized medicine: UHF MR vs clinical MR in the characterization of pathology". 2019-2022
- "Implementation and Comparison of Advanced MRI techniques at different magnetic fields: looking for quantitative imaging biomarkers for neurological and psychiatric diseases of developmental age". 2022-2024

## **ANNEX A.2. Publications**

### **Full papers**

1. MC. Bianchi, M. Tosetti, L. Biagi, A. Abbruzzese, A.M. Valleriani, D. Monatanaro, R. Battini, P. Carpeggiani. "Proton, perfusion and diffusion MR spectroscopy of the brain in Tuberous Sclerosis" *Rivista Italiana di Neuroradiologia* 16: 553-561, 2003.
2. A. Gemignani, M. Tosetti, D. Montanaro, L. Biagi, B. Ghelarducci, M. Guazzelli, E. Santarcangelo "Sensory-motor cortex activity is not affected by hypnotic susceptibility and hypnosis". *Arch Ital Biol*, 2004; 142(2): 77-85.
3. G. D'Avossa, M. Tosetti, S. Crespi, L. Biagi, D.C. Burr, M.C. Morrone "Spatiotopic selectivity of BOLD responses to visual motion in human MT". *Nat Neurosci*, 2006; 10: 249-255. [10.1038/nn1824](https://doi.org/10.1038/nn1824)
4. L. Biagi, A. Abbruzzese, M.C. Bianchi, A. Del Guerra, D. Alsop, M. Tosetti "Age Dependence of Cerebral Perfusion Assessed by Magnetic Resonance Continuous Arterial Spin Labeling". *J Magn Reson Imaging*, 2007; 25(4): 696-702. [10.1002/jmri.20839](https://doi.org/10.1002/jmri.20839)
5. A. Guzzetta, P. Bonanni, L. Biagi, M. Tosetti, D. Montanaro, R. Guerrini and G. Cioni "Reorganisation of the somatosensory system after early brain damage". *Clin Neurophysiol*, 2007; 118(5): 1110-21. [10.1016/j.clinph.2007.02.014](https://doi.org/10.1016/j.clinph.2007.02.014)
6. A. Guzzetta, C. Pecini, L. Biagi, E. Petacchi, D. Brizzolara, P. Cipriani, A.M. Chilosi M. Tosetti, G. Cioni "Language reorganization in children with left perinatal stroke". *Neuropediatrics*, 2008; 39(3): 157-63. [10.1055/s-0028-1085465](https://doi.org/10.1055/s-0028-1085465)
7. A.M. Chilosi, P. Cipriani, C. Pecini, D. Brizzolara, L. Biagi, D. Montanaro, M. Tosetti, G. Cioni, "Acquired focal brain lesions in childhood: effects on development and reorganisation of language". *Brain and Lang*, 2008; 106(3): 211-25. [10.1016/j.bandl.2007.12.010](https://doi.org/10.1016/j.bandl.2007.12.010)
8. C. Pecini; L. Biagi; A. Guzzetta; D. Montanaro; D. Brizzolara; P. Cipriani; A.M. Chilosi; M. Tosetti, G. Cioni "Brain representation of phonological processing in Italian: individual variability and behavioural correlates". *Arch Ita. Biol*, 2008; 146: 189-202.
9. V. Marcelli, F. Esposito, A. Aragri, T. Furia, P. Riccardi, M. Tosetti, L. Biagi, E. Marciano, F. Di Salle "Spatio-temporal pattern of vestibular information processing after brief caloric stimulation". *Eur J Radiol*, 2009; 70(2): 312-6. [10.1016/j.ejrad.2008.01.042](https://doi.org/10.1016/j.ejrad.2008.01.042)
10. L. Biagi, G. Cioni L. Fogassi, A. Guzzetta M. Tosetti, "Anterior intraparietal cortex codes complexity of observed hand movements". *Brain Res Bull*, 2010; 81(4): 434-440. [10.1016/j.brainresbull.2009.12.002](https://doi.org/10.1016/j.brainresbull.2009.12.002)
11. Pecini C.; Biagi L.; Brizzolara D.; Cipriani P.; Di Lieto MC.; Guzzetta A.; Tosetti M.; Chilosi AM. "How many functional brains in developmental dyslexia? When the history of language delay makes the difference". *Cogn. Behav Neurol*, 2011; 24(2): 85-92. [10.1097/WNN.0b013e318222a4c2](https://doi.org/10.1097/WNN.0b013e318222a4c2)
12. G. Sgandurra, A. Ferrari, G. Cossu, A. Guzzetta, L. Biagi, M. Tosetti, L. Fogassi, G. Cioni "Upper Limb Children Action-Observation Training (UP-CAT): a randomised controlled trial in hemiplegic cerebral palsy." *BMC Neurol*, 2011; 11(1): 80. [10.1186/1471-2377-11-80](https://doi.org/10.1186/1471-2377-11-80)
13. S. Crespi; L. Biagi; G. d'Avossa; DC. Burr; M. Tosetti; MC. Morrone "Spatiotopic coding of BOLD signal in human visual cortex depends on spatial attention". *PLoS One*, 2011; 6(7):e21661. Epub 2011 Jul 7. [10.1371/journal.pone.0021661](https://doi.org/10.1371/journal.pone.0021661)
14. S. Calderoni, A. Retico, L. Biagi, R. Tancredi, F. Muratori, M. Tosetti. "Female children with autism spectrum disorder: An insight from mass-univariate and pattern classification analyses". *NeuroImage*, 2012; 59(2): 1013-1022. [10.1016/j.neuroimage.2011.08.070](https://doi.org/10.1016/j.neuroimage.2011.08.070)
15. A. Pooresmaeili, R. Arrighi, L. Biagi, MC. Morrone. "BOLD activation of area V1 predicts size adaptation illusion". *J Neurosci*, 2013; 33(40): 15999-16008. [10.1523/JNEUROSCI.1770-13.2013](https://doi.org/10.1523/JNEUROSCI.1770-13.2013)
16. F. Mattioli, C. Ambrosi, L. Mascaro, C. Scarpazza, P. Pasquali, M. Frugoni, M. Magoni, L. Biagi, R. Gasparotti. "Early aphasia rehabilitation is associated with functional reactivation of the left inferior frontal gyrus: a pilot study". *Stroke*, 2014; 45(2): 545-52. [10.1161/STROKEAHA.113.003192](https://doi.org/10.1161/STROKEAHA.113.003192)
17. M. Cosottini, D. Frosini, I. Pesaresi, M. Costagli, L. Biagi, R. Ceravolo, U. Bonuccelli, M. Tosetti. "MR Imaging of the Substantia Nigra at 7T Enables Diagnosis of Parkinson Disease". *Radiology*, 2014; 271(3): 831-8. [10.1148/radiol.14131448](https://doi.org/10.1148/radiol.14131448)
18. M. Costagli, D.A.C. Kelley, M.R. Symms, L. Biagi, R. Stara, E. Maggioni, G. Tiberi, C. Barba, R. Guerrini, M. Cosottini, M. Tosetti. "TBE: Tissue Border Enhancement by Inversion Recovery MRI at 7.0 Tesla". *Neuroradiology*, 2014; 56(7): 517-23. [10.1007/s00234-014-1365-8](https://doi.org/10.1007/s00234-014-1365-8)



19. M. Cosottini, D. Frosini, L. Biagi, I. Pesaresi, M. Costagli, G. Tiberi, M. Symms, M. Tosetti. "Short term side-effects of brain MR examination at 7T: a single centre experience". *Eur Radiol*, 2014; 24(8): 1923-8. [10.1007/s00330-014-3177-y](https://doi.org/10.1007/s00330-014-3177-y)
20. A. De Ciantis, A.J. Barkovich, M. Cosottini, C. Barba, D. Montanaro, M. Costagli, M. Tosetti, L. Biagi, W.B. Dobyns, R. Guerrini. "Ultra-high field MR imaging in polymicrogyria and epilepsy". *AJNR Am J Neuroradiol*, 2015, 36(2): 309-16. [10.3174/ajnr.A4116](https://doi.org/10.3174/ajnr.A4116)
21. M. Cosottini, D. Frosini, I. Pesaresi, M. Costagli, L. Biagi, R. Ceravolo, U. Bonuccelli, M. Tosetti. "Comparison of 3T and 7T SWAN Imaging of the Substantia Nigra in diagnosing Parkinson's disease". *AJNR Am J Neuroradiol*, 2015, 36(3): 461-6. [10.3174/ajnr.A4158](https://doi.org/10.3174/ajnr.A4158)
22. G. Tiberi, N. Fontana, M. Costagli, R. Stara, L. Biagi, M. Symms, A. Monorchio, A. Retico, M. Cosottini, M. Tosetti. "Investigation of the maximum local Specific Absorption Rate in 7.0T Magnetic Resonance with respect to load size by the use of Electromagnetic simulations". *Bioelectromagnetics*, 2015, 36(5):358-366. [10.1002/bem.21907](https://doi.org/10.1002/bem.21907)
23. L. Biagi, SA. Crespi, M. Tosetti, M.C. Morrone. "BOLD Response Selective to Flow-Motion in Very Young Infants". *PLoS Biol*, 2015; 13(9): e1002260. [10.1371/journal.pbio.1002260](https://doi.org/10.1371/journal.pbio.1002260)
24. S. Fiori, M. Staudt, K. Pannek, D. Borghetti, L. Biagi, D. Scelfo, S.E. Rose, M. Tosetti, G. Cioni, A. Guzzetta. "Is one motor cortex enough for two hands?" *Dev Med Child Neurol* 2015, 57(10): 977-80. [10.1111/dmcn.12817](https://doi.org/10.1111/dmcn.12817)
25. A. Retico, A. Giuliano, R. Tancredi, A. Cosenza, F. Apicella, A. Narzisi, L. Biagi, M. Tosetti, F. Muratori, S. Calderoni. "The effect of gender on the neuroanatomy of children with autism spectrum disorders: a support vector machine case-control study". *Mol Autism*, 2016; Jan 19;7:5. [10.1186/s13229-015-0067-3](https://doi.org/10.1186/s13229-015-0067-3)
26. M. Costagli, G. Donatelli, L. Biagi, E. Caldarazzo Ienco, G. Siciliano, M. Tosetti, M. Cosottini. "Magnetic susceptibility in the deep layers of the primary motor cortex in Amyotrophic Lateral Sclerosis". *Neuroimage Clin* 2016; 12:965-969. [10.1016/j.nicl.2016.04.011](https://doi.org/10.1016/j.nicl.2016.04.011)
27. A. De Ciantis, C. Barba, L. Tassi, M. Cosottini, M. Tosetti, M. Costagli, M. Bramerio, E. Bartolini, L. Biagi, M. Cossu, V. Pelliccia, M.R. Symms, R. Guerrini. "7T MRI in focal epilepsy with unrevealing conventional field strength imaging". *Epilepsia*, 2016, 57(3):445-54. [10.1111/epi.13313](https://doi.org/10.1111/epi.13313)
28. M. Cosottini, G. Donatelli, M. Costagli, E. Caldarazzo, D. Frosini, I. Pesaresi, L. Biagi, G. Siciliano, M. Tosetti. "High resolution 7T MR imaging of motor cortex in amyotrophic lateral sclerosis". *AJNR Am J Neuroradiol* 2016, 37 (3), 455-461. [10.3174/ajnr.A4562](https://doi.org/10.3174/ajnr.A4562)
29. M. Costagli, M.R. Symms, L. Angeli, D.A.C. Kelley, L. Biagi, C.H.S. Rua, G. Tiberi, M. Tosetti, M. Cosottini. "Assessment of Silent T1-weighted head imaging at 7T". *Eur Radiol*, 2015, 26 (6), 1879-1888. [10.1007/s00330-015-3954-2](https://doi.org/10.1007/s00330-015-3954-2)
30. G.Tiberi, M. Costagli, L. Biagi, A. De Ciantis, N. Fontana, R. Stara, M.R. Symms, M. Cosottini, R. Guerrini, M. Tosetti. "SAR prediction in Adults and Children by combining measured B1+ maps and simulations at 7.0T". *J Magn Reson Imaging*, 2016, 44(4):1048-55. [10.1002/jmri.25241](https://doi.org/10.1002/jmri.25241)
31. E. Castaldi, GM. Cicchini, L. Cinelli, L. Biagi, S. Rizzo, MC. Morrone. "Visual BOLD response in late-blind subjects with Argus II retinal prosthesis". *PLoS Biol*, 2016; 14 (10), e1002569. <https://doi.org/10.1371/journal.pbio.1002569>
32. L. Biagi, G. Cioni, L. Fogassi, A. Guzzetta, G. Sgandurra, M. Tosetti "Action observation network in childhood: a comparative fMRI study with adults". *Dev Sci*, 2015, 19 (6), 1075-1086. [10.1111/desc.12353](https://doi.org/10.1111/desc.12353)
33. Maffei L., Picano E., Andreassi MG., et Train Brain Consortium "Randomized trial on the effects of a combined physical/cognitive training in aged MCI subjects: the Train the Brain study". *Sci Rep* 2017, 7:39471. [10.1038/srep39471](https://doi.org/10.1038/srep39471)
34. C. Rua, M. Costagli, M.R. Symms, L. Biagi, G. Donatelli, M. Cosottini, A. Del Guerra, M. Tosetti. "Characterization of high-resolution Gradient Echo and Spin Echo EPI for fMRI in the human visual cortex at 7 Tesla". *Magn Reson Imaging* 2017; 40:98-108. [10.1016/j.mri.2017.04.008](https://doi.org/10.1016/j.mri.2017.04.008)
35. D. Frosini, M. Cosottini, G. Donatelli, M. Costagli, L. Biagi, C. Pacchetti, M. Terzaghi, P. Cortelli, D. Arnaldi, E. Bonanni, M. Tosetti, U. Bonuccelli, R. Ceravolo. "Seven tesla MRI of the substantia nigra in patients with rapid eye movement sleep behavior disorder". *Parkinsonism Rel Disord* 2017; 43: 105-109. [10.1016/j.parkreldis.2017.08.002](https://doi.org/10.1016/j.parkreldis.2017.08.002)
36. D. Andreuccetti, L. Biagi, G. Burriesci, V. Cannatà, G.M. Contessa, R. Falsaperla, E. Genovese, R. Lodato, V. Lopresto, C. Merla, A. Napolitano, R. Pinto, G. Tiberi, M. Tosetti, N. Zoppetti. "Occupational exposure in MR facilities due to movements in the static magnetic field". *Med Phys* 2017, 44(11):5988-5996. [10.1002/mp.12537](https://doi.org/10.1002/mp.12537)
37. Donatelli G, Retico A, Caldarazzo Ienco E, Cecchi P, Costagli M, Frosini D, Biagi L, Tosetti M, Siciliano G, Cosottini M." Semiautomated Evaluation of the Primary Motor Cortex in Patients with Amyotrophic Lateral Sclerosis at 3T." *AJNR Am J Neuroradiol* 2018, 39(1):63-69. [10.3174/ajnr.A5423](https://doi.org/10.3174/ajnr.A5423)

38. S. Fiori, [L. Biagi](#)<sup>c</sup>, P. Cecchi, G. Cioni, E. Beani, M. Tosetti, M. Cosottini, A. Guzzetta. "Potentials of ultra-high field MRI for the study of somatosensory reorganization in congenital hemiplegia". *Neural Plasticity*, vol. 2018, Volume 2018, Article ID 8472807, 2018. [10.1155/2018/8472807](https://doi.org/10.1155/2018/8472807)
39. G. Sgandurra\*, [L. Biagi](#)<sup>c\*</sup>, L. Fogassi, E. Sicola, A. Ferrari, A. Guzzetta, M. Tosetti, G. Cioni. "Reorganization of the Action Observation Network and sensory-motor system in children with unilateral cerebral palsy: an fMRI study". *Neural Plasticity*, vol. 2018, Article ID 6950547, 15 pages, 2018. <https://doi.org/10.1155/2018/6950547>
40. Bruno RM, Stea F, Sicari R, Ghiadoni L, Taddei S, Ungar A, Bonuccelli U, Tognoni G, Cintoli S, Del Turco S, Sbrana S, Gargani L, D'Angelo G, Pratali L, Berardi N, Maffei L, Picano E et [Train the Brain Consortium](#). "Vascular Function Is Improved After an Environmental Enrichment Program: The Train the Brain-Mind the Vessel Study". *Hypertension*. 2018 Jun;71(6):1218-1225. doi: 10.1161/HYPERTENSIONAHA.117.10066. Epub 2018 Apr 9.
41. C. Rua, SJ. Wastling, M. Costagli, M.R. Symms, L. Biagi, M. Cosottini, A. Del Guerra, M. Tosetti, G.J. Barker. "Improving fMRI in signal drop-out regions at 7 T by using tailored radio-frequency pulses: application to the ventral occipito-temporal cortex". *MAGMA* 2018, 31(2):257-267. [10.1007/s10334-017-0652-x](https://doi.org/10.1007/s10334-017-0652-x)
42. Del Guerra A., et TRIMAGE Consortium "TRIMAGE: a dedicated trimodality (PET/MR/EEG) imaging tool for schizophrenia". *European Psychiatry* 2018, 50: 7-20. [10.1016/j.eurpsy.2017.11.007](https://doi.org/10.1016/j.eurpsy.2017.11.007)
43. P. Binda, J.W. Kurzwaski, C. Lunghi, [L. Biagi](#), M. Tosetti, M. C. Morrone. "Response to short-term deprivation of the human adult visual cortex measured with 7T BOLD", *Elife*. 2018 Nov 26;7. pii: e40014. <https://doi.org/10.7554/eLife.40014>
44. L. Cecchetti, G. Lettieri, G. Handjaras, A. Leo, E. Ricciardi, P. Pietrini, S. Pellegrini, [Train the Brain Consortium](#) "Brain Hemodynamic Intermediate Phenotype Links Vitamin B12 to Cognitive Profile of Healthy and Mild Cognitive Impaired Subjects" *Neural Plast* 2019 Jun 2;2019:6874805. [10.1155/2019/6874805](https://doi.org/10.1155/2019/6874805)
45. Bartolini, E., Cosottini, M., Costagli, M., Barba, C., Tassi, L., Spreafico, R., Garbelli, R., [Biagi, L.](#), Buccoliero, A., Giordano, F., Guerrini, R. "Ultra-high-field targeted imaging of focal cortical dysplasia: The intracortical black line sign in type IIB". *American Journal of Neuroradiology* 2019, 40(12): 2137-2142. [10.3174/ajnr.A6298](https://doi.org/10.3174/ajnr.A6298)
46. A.M. Chilosi, S. Bulgheroni, M. Turi, P. Cristofani, L. Biagi, A. Erbetta, D. Riva, A. Nigri, L. Caputi, N. Giannini, S. Fiori, C. Pecini, F. Perego, M. Tosetti, P. Cipriani, G. Cioni "Hemispheric language organization after congenital left brain lesions: A comparison between functional transcranial doppler and functional MRI." *J Neuropsychol*. 2019. [10.1111/jnp.12128](https://doi.org/10.1111/jnp.12128)
47. M. Cencini, [L. Biagi](#) , J.D. Kaggie, R.F. Schulte, M. Tosetti, G. Buonincontri. "Magnetic resonance fingerprinting with dictionary-based fat and water separation (DBFW MRF): A multi-component approach". *Magn Reson Med*. 2018 Dec 21. <https://doi.org/10.1002/mrm.27628>
48. G. Buonincontri, [L. Biagi](#), A. Retico, P. Cecchi, M. Cosottini, F. Gallagher, P.A. Gómez, M.J. Graves, M.A. McLean, F. Riemer, R.F. Schulte, M. Tosetti, F. Zaccagna, J.D. Kaggie. "Multi-site repeatability and reproducibility of MR fingerprinting of the healthy brain at 1.5 and 3.0 T." *NeuroImage* 2019, 195: 362-372. <https://doi.org/10.1016/j.neuroimage.2019.03.047>
49. [L. Biagi](#), V. Gagliardi, A. Retico, M. Marletta, G. Aringhieri, G. Tiberi, F. Campanella, M. Tosetti "Assessment of ultra-high-field Magnetic Resonance Imaging safety via temperature increase monitoring with Magnetic Resonance Thermometry", 2020 IEEE International Symposium on Medical Measurements and Applications (MeMeA)
50. G Sgandurra, [L Biagi](#)<sup>c</sup>, L Fogassi, A Ferrari, E Sicola, A Guzzetta, M Tosetti, G. Cioni "Reorganization of action observation and sensory-motor networks after action observation therapy in children with congenital hemiplegia: A pilot study", *Developmental Neurobiology* 2020, [10.1002/dneu.22783](https://doi.org/10.1002/dneu.22783)
51. E. Conti, A. Retico, L. Palumbo, G. Spera, P. Bosco, [L. Biagi](#), S. Fiori, M. Tosetti, P. Cipriani, G. Cioni, F. Muratori, A. Chilosi S. Calderoni. "Autism Spectrum Disorder and Childhood Apraxia of Speech: Early Language-Related Hallmarks across Structural MRI Study". *J. Pers. Med.* 2020, 10, 275; <https://doi.org/10.3390/jpm10040275>
52. A. Bhat, [L. Biagi](#), G. Cioni, F. Tinelli, M.C. Morrone. "Cortical thickness of primary visual cortex correlates with motion deficits in periventricular leukomalacia". *Neuropsychologia* 2020,107717; [10.1016/j.neuropsychologia.2020.107717](https://doi.org/10.1016/j.neuropsychologia.2020.107717)
53. Cintoli S, Radicchi C, Noale M, Maggi S, Meucci G, Tognoni G, Bonuccelli U, Sale A, Berardi N, Maffei L, Picano E, Andreassi M.G and the [Train the Brain Consortium](#) "Effects of combined training on neuropsychiatric symptoms and quality of life in patients with cognitive decline". *Aging Clinical and Experimental Research*, 2021, 33(5): 1249 – 1257. [10.1007/s40520-019-01280-w](https://doi.org/10.1007/s40520-019-01280-w)
54. [L Biagi](#), S Lenzi, E Cipriano, S Fiori, P Bosco, P Cristofani, G Astrea, A Pini, G Cioni, E Mercuri, M Tosetti, R Battini. "Neural substrates of neuropsychological profiles in dystrophynopathies: A pilot study of diffusion tractography imaging". *Plos one* 2021, 16 (5), e0250420 [10.1371/journal.pone.0250420](https://doi.org/10.1371/journal.pone.0250420)

55. Ambrosi P, Costagli M, Kuruoğlu EE, [Biagi L](#), Buonincontri G, Tosetti M “Modeling brain connectivity dynamics in functional magnetic resonance imaging via particle filtering”. *Brain Informatics* 2021, 8(1) Article number 19. [10.1186/s40708-021-00140-6](https://doi.org/10.1186/s40708-021-00140-6)
56. Bhat A, Kurzawski JW, Anobile G, Tinelli F, [Biagi L](#), Morrone MC “Normal Retinotopy in Primary Visual Cortex in a Congenital Complete Unilateral Lesion of Lateral Geniculate Nucleus in Human: A Case Study”. *International Journal of Molecular Sciences* 2022, 23 (3) Article number 1055. [10.3390/ijms23031055](https://doi.org/10.3390/ijms23031055)
57. Kurzawski JW, Lunghi C, [Biagi L](#), Tosetti M, Morrone MC, Binda P. “Short-term plasticity in the human visual thalamus”. *Elife* 2022, volume 11, Article number e74565. <https://doi.org/10.7554/eLife.74565>
58. Nigri A, Ferraro S, Gandini Wheeler-Kingshott CAM, Tosetti M, Redolfi A, Forloni G, D’Angelo E, Aquino D, [Biagi L](#), Bosco P, Carne I, De Francesco S, DeMichelis G, Gianeri R, Laganà MM, Micotti E, Napolitano A, Palesi F, Pirastru A, Savini G, Alberici E, Amato C, Arrigoni F, Baglio F, Bozzali M, Castellano A, Cavaliere C, Contarino VE, Ferrazzi G, Gaudino S, Marino S, Manzo V, Pavone L, Politi LS, Roccatagliata L, Rognone E, Rossi A, Tonon C, Lodi R, Tagliavini F, Bruzzone MG “Quantitative MRI Harmonization to Maximize Clinical Impact: The RIN–Neuroimaging Network”. *Front Neurol* 2022 Apr 14;13:855125. [10.3389/fneur.2022.855125](https://doi.org/10.3389/fneur.2022.855125)
59. Lancione M, Donatelli G, Del Prete E, Campese N, Frosini D, Cencini M, Costagli M, [Biagi L](#), Lucchi G, Tosetti M, Godani M, Arnaldi D, Terzaghi M, Provini F, Pacchetti C, Cortelli P, Bonanni E, Ceravolo R, Cosottini M. “Evaluation of iron overload in nigrosome 1 via quantitative susceptibility mapping as a progression biomarker in prodromal stages of synucleinopathies”. *Neuroimage* 2022 Oct 15;260:119454. [10.1016/j.neuroimage.2022.119454](https://doi.org/10.1016/j.neuroimage.2022.119454)
60. Lancione M, Bosco P, Costagli M, Nigri A, Aquino D, Carne I, Ferraro S, Giulietti G, Napolitano A, Palesi F, Pavone L, Pirastru A, Savini G, Tagliavini F, Bruzzone MG, Gandini Wheeler-Kingshott CAM, Tosetti M, [Biagi L](#) and the RIN – Neuroimaging Network “Multi-centre and multi-vendor reproducibility of a standardized protocol for Quantitative Susceptibility Mapping of the human brain at 3T”. *Physica Medica* 2022, 103, 37-45. <https://doi.org/10.1016/j.ejmp.2022.09.012>
61. Palesi F, Nigri A, Gianeri R, Aquino D, Redolfi A, [Biagi L](#), Carne I, De Francesco S, Ferraro S, Martucci P, Medina PJ, Napolitano A, Pirastru A, Baglio F, Tagliavini F, Bruzzone MG, Tosetti M, Gandini Wheeler-Kingshott CAM and the RIN – Neuroimaging Network “MRI data quality assessment for the RIN - Neuroimaging Network using the ACR phantoms” *Physica Medica* 2022, 104, 93-100. <https://doi.org/10.1016/j.ejmp.2022.10.008>
62. Bartolini E, Cosottini M, Donatelli G, Tosetti M, [Biagi L](#), Battini R, Guerrini R “Does 7T MRI reveal a neuronal bridge between periventricular heterotopia and overlying cortical malformations?” *Seizure* 2022, 103, 99-100 (letter to Editor) [10.1016/j.seizure.2022.11.003](https://doi.org/10.1016/j.seizure.2022.11.003)
63. Bombonato C, Cipriano E, Pecini C, Casalini C, Bosco P, Podda I, Tosetti M, [Biagi L](#), Chilosi AM. “Relationship among Connectivity of the Frontal Aslant Tract, Executive Functions, and Speech and Language Impairment in Children with Childhood Apraxia of Speech” *Brain Sciences* 2023, 13 Article number 78.
64. [Biagi L](#), Crespi S, Tosetti M, Morrone MC, “Development of BOLD response to motion in human infants”. *Journal of Neuroscience* 2023, 10 April, JN-RM-0837-22; DOI: <https://doi.org/10.1523/JNEUROSCI.0837-22.2023>
65. EG Cuña, H Schulz, E Tuzzi, [L Biagi](#), P Bosco, M García-Fontes, J Mattos, M Tosetti, J Engelmann, K Scheffler, and GE Hagberg “Simulated and experimental phantom data for multi-centre quality assurance of quantitative susceptibility maps at 3T, 7T and 9.4T”, In press *Physica Medica* 2023
66. Bosco P, Lancione M, Retico A, Nigri A, Aquino D, Baglio F, Carne I, Ferraro S, Giulietti G, Napolitano A, Palesi F, Pavone L, Savini G, Tagliavini F, Bruzzone MG, Gandini Wheeler-Kingshott CAM, Tosetti M, [Biagi L](#), and the RIN – Neuroimaging Network Quality assessment, variability and reproducibility of anatomical measurements derived from T1-weighted brain imaging: the RIN–Neuroimaging Network case study. In press *Physica Medica* 2023

#### **Invited articles, book chapters**

1. [L. Biagi](#), M. Cosottini, M. Tosetti. “La Risonanza Magnetica a 7 Tesla: dalla ricerca di base alle applicazioni sull’uomo”. *Il Nuovo Saggiatore* 2014, 30(3-4): 34-48.
2. [L. Biagi](#), M. Cosottini, M. Tosetti. “7 T MR: From basic research to human applications”. In “High field brain MRI”, 2017, pag. 373-383.
3. [L. Biagi](#), M. Cosottini, M. Costagli, G. Donatelli, M. Tosetti. Ricerca di base e applicazioni cliniche con risonanza magnetica a 7T in Italia. *Notiziario dell’AIFM*, n. 2/2018

## Peer Reviewed Abstracts

1. L. Biagi, M. Tosetti, A. Abbruzzese, A. Del Guerra, G. Cioni, D. Alsop. "Normal Cerebral Perfusion Changes with Age using Continuous Arterial Spin Labelling" Proceedings of ISMRM 10<sup>th</sup> Scientific Meeting (Honolulu, Hawaii, USA 18-24 May 2002), p. 432 e CDrom, 2002
2. C. Pecini, D. Brizzolara, D. Montanaro, M. Tosetti, L. Biagi, P. Cipriani. "Neural bases of phonological processing in reading tasks: examining the neuroimaging literature on individuals with and without dyslexia." Dev Med Child Neurol 92 (44) p. 56, 2002
3. G. Cioni, L. Biagi, D. Burr, C. Costagli, D. Montanaro, M.C. Morrone, M. Tosetti. "Functional imaging in hemiplegia". European Journal of Paediatric Neurology, vol. 7 n. 5, 341, IL23, 2003.
4. M. Tosetti, L. Biagi, A. Abbruzzese, D. Montanaro, A. M. Valleriani, R. Battini, M. Bianchi. "Proton Spectroscopy (1HMRS), Perfusion (ASL-PI) and Diffusion (DWI and DTI) in Tuberous Sclerosis" Proceedings of ISMRM 11<sup>th</sup> Scientific Meeting (Toronto, Ontario, Canada 10-16 July 2003), p. 2101 e CdRom, 2003
5. M. Tosetti, A. Perna, D. Montanaro, L. Biagi, M. C. Morrone. "Visual Mechanisms and Cortical Areas Detecting Features for Structuring Visual Images." Proceedings of ISMRM 11<sup>th</sup> Scientific Meeting (Toronto, Ontario, Canada 10-16 July 2003), p. 1891 e CdRom, 2003
6. C. Pecini, D. Montanaro, M. Tosetti, L. Biagi, D. Brizzolara, P. Cipriani "Basi neurali e lateralizzazione emisferica per l'elaborazione fonologica in Italiano: uno studio fMRI" Congresso Nazionale della Società Italiana di Neuroscienze, Pisa, 26-28 September 2003
7. A. Gemignani, B. Ghelarducci, E. Santarcangelo, D. Montanaro, M. Tosetti, L. Biagi, M. Guazzelli "Sensory-motor cortex activity modulation by hypnotic susceptibility and hypnosis during fingers movement" Congresso Nazionale della Società Italiana di Neuroscienze, Pisa, 26-28 September 2003, pg 23 (ID 88)
8. L. Biagi, A. Abbruzzese, MC. Bianchi, D. Alsop, M. Tosetti "Age dependent variation of cerebral perfusion assessed by Continuous Arterial Spin Labelling" Proceedings of ISMRM workshop: "Quantitative Cerebral Perfusion Imaging Using MRI: a Technical Perspective", Isola di San Servolo, Venice, 21-23 March 2004.
9. L. Biagi, C. Pecini, D. Montanaro, D. Brizzolara, P. Cipriani, M. Tosetti. "Neural bases and hemispheric lateralization for phonological processing in regular languages: an fMRI study on Italian adults" Proceedings of ISMRM 12<sup>th</sup> Scientific Meeting (Kyoto, Japan 15-21 May 2004), p. 1146 e CdRom, 2004
10. L. Biagi, M. Tosetti, A. Abbruzzese, MC. Bianchi, D. Alsop, A. Del Guerra "Age Dependent Variation of Cerebral Perfusion Assessed by Magnetic Resonance Continuous Arterial Spin Labeling Technique" Proceedings of 2004 IEEE Nuclear Science Symposium and Medical Imaging Conference. (Roma, 16-22 October 2004). M5-470.
11. M.C. Bianchi, M. Tosetti, L. Biagi, D. Montanaro, A. Abbruzzese, G. Cioni. "Cortical functional re-organization and cortical blood perfusion in a case of schizencephaly: a multimodal MR study." Meeting of European Society of Magnetic Resonance in Neuropediatrics (Genova, 10-12 December, 2004).
12. L. Biagi, C. Pecini, M. Tosetti, D. Brizzolara, A. Chilosi, G. Cioni. "Language lateralization and reorganization in subjects with early-onset brain focal lesion: an fMRI study". Proceedings of ISMRM 13<sup>th</sup> Scientific Meeting (Miami Beach, Florida, USA, 7-13 May 2005), p. 1432 e CdRom, 2005.
13. L. Biagi, C. Pecini, D. Montanaro, D. Brizzolara, P. Cipriani, S. Linsalata, M. Tosetti. "Neural representation and hemispheric lateralization of phonological processing in regular languages: an fMRI study on Italian adults" Proceedings of ESMRMB 22<sup>th</sup> Annual Meeting (Basel, Switzerland, 15-18 September 2005), 350.
14. C. Pecini, A. M. Chilosi, P. Cipriani, L. Biagi, M. Tosetti, D. Brizzolara. "Basi cognitive della dislessia evolutiva: un aiuto dagli studi di neuroimaging". XIV Congresso Nazionale AIRIPA "I Disturbi dell'Apprendimento". Pisa, 21-22 October 2005: 64.
15. P. Bonanni, L. Biagi, M. Tosetti, D. Montanaro, G. Cioni. "Two types of sensory and motor cortical reorganization in hemiplegia following early cerebral damage: correlation of clinical outcome with neurophysiological and fMRI findings" Proceedings of ISMRM 14<sup>th</sup> Scientific Meeting (Seattle, Washington, USA, 6-12 May 2006), p. 1133 e CdRom, 2006.
16. L. Biagi, C. Pecini, M. Tosetti, D. Brizzolara, A. Chilosi, P. Cipriani, G. Cioni. "Language reorganization after early-onset brain focal lesion: an fMRI study" Proceedings of Twelfth Annual Meeting of the Organization for Human Brain Mapping, Neuroimage, 31 suppl. 1, 237 M-AM, 2006.
17. C. Pecini, L. Biagi, A. Chilosi, P. Cipriani, M. Tosetti, D. Brizzolara, F. Di Salle. "Neural Bases of Phonological Processing in Developmental Dyslexia: Behavioral and fMRI data" Proceedings of Twelfth Annual Meeting of the Organization for Human Brain Mapping, Neuroimage, 31 suppl. 1, 296 M-PM, 2006.

18. S. Crespi, G. d'Avossa, M. Tosetti, D. Burr, L. Biagi, M. C. Morrone. "Visual cortical areas that integrates motion signal over long time" Proceedings of Twelfth Annual Meeting of the Organization for Human Brain Mapping, Neuroimage, 31 suppl. 1, 232 W-PM, 2006.
19. P. Bonanni, L. Biagi, M. Tosetti, D. Montanaro, G. Cioni, "Two types of sensory and motor cortical reorganization in hemiplegia following early cerebral damage: correlation of clinical outcome with neurophysiological and fMRI findings". Proceedings of Twelfth Annual Meeting of the Organization for Human Brain Mapping, Neuroimage, 31 suppl. 1, 127 TH-AM, 2006.
20. A. Guzzetta, L. Biagi, P. Bonanni, D. Montanaro, E. Petacchi, M. Tosetti, G. Cioni "Reorganization of the somatosensory system after early brain damage: an fMRI and SEP study" Developmental Medicine and Child Neurology, 48 suppl.107: 9; 2006.
21. S. Moehrs, G. Belmonte, L. Biagi, M. Cosottini, A. Del Guerra, M. Tosetti. "Bioelectric field simulations on cartesian grids: accurate treatment of anisotropies, singularities and immersed interfaces" Brain Topography 19/4: 213-214, Proceedings of 17th Meeting of the International Society for Brain Electromagnetic Topography (ISBET, Chieti, Italy, 2006) 2006.
22. A. Guzzetta, C. Pecini, L. Biagi, M. Tosetti, D. Brizzolara, A. Chilosi, P. Cipriani, P. Brovedani, G. Cioni "Language Representation In Children With Early Left Brain Damage: The Role Of Timing " Proceedings of Ninth Congress of the European Society of Magnetic Resonance in Neuropediatrics, (Tubingen, Germany, 31 May-2 June 2007) 2007.
23. C. Pecini, L. Biagi, M. Tosetti, A. Chilosi, P. Cipriani, F. Di Salle, D. Brizzolara "Neural bases of dyslexia in Italian: does a history of language delay matter?" Proceedings of Joint ISMRM-ESMRMB Scientific Meeting (Berlin, Germany, 19-25 May 2007), p. 3750 e CdRom, 2007.
24. M. Tosetti, G. D'Avossa, S. Crespi, L. Biagi, M.C. Morrone, D. Burr "Visually evoked BOLD responses in human cortex modulated by gaze direction" 8th Annual Meeting of the International Multisensory Research Forum Sydney 5-7 July 2007.
25. S.A. Crespi, G. d'Avossa, M. Tosetti, L. Biagi, D.C. Burr, M.C. Morrone, 2007, "Spatiotopic selectivity of BOLD responses to visual motion in human area MT" Perception 36 ECV Abstract Supplement.
26. G. Belmonte, L. Biagi, S. Moehrs, I. Pesaresi, E. Bonanni, M. Tosetti, M. Cosottini "On the correlation between EEG and fMRI in epilepsy" Congresso Nazionale Fisica Medica, AIFM/EFOMP Conference, il Ciocco, Castel Vecchio di Pascoli (LU) 17-20 September 2007.
27. L. Biagi, S. Linsalata, J. Tropp, T. Schirmer, M. Tosetti "Technical Validation of a New Muscle Dual Tuned Coil for 1H-31P Spectroscopy and Advanced Imaging Studies In Vivo" Congresso Nazionale Fisica Medica, AIFM/EFOMP Conference il Ciocco, Castel Vecchio di Pascoli (LU) 17-20 September 2007.
28. L. Biagi, F. Di Salle, A. Del Guerra, D. Alsop, M. Tosetti "Quantitative Perfusion-based fMRI using Continuous Arterial Spin Labeling (ASL) Technique" EFOMP Conference il Ciocco, Castel Vecchio di Pascoli (LU) 20-22 September 2007.
29. M. Tosetti, A. Guzzetta, L. Biagi, E. Petacchi, S. Galiberti, L. Fogassi, G. Cioni "Modulation of Human Mirror Neuron System by Task Complexity and Laterality" Proceedings of ISMRM 16<sup>th</sup> Scientific Meeting (Toronto, Ontario, Canada, 3-9 May 2008), p. 3592 e CdRom, 2008.
30. L. Biagi, S. Crespi, G. D'Avossa, M. C. Morrone, and M. Tosetti "Human MT complex: selectivity to motion flow stimuli and to retinotopic and spatiotopic input", Proceedings of ISMRM 17<sup>th</sup> Scientific Meeting (Honolulu, Hawaii, USA 17-24 April 2009), p. 1698 and CDRom, 2009.
31. A.P. Basu, G.S.L. Tan, M.I. French, M.A. Kirkman, T. Kelly, L. Biagi, M. Tosetti, G. Cioni, J.A. Eyre "Can acquired prosopagnosia ('face blindness') be cured?" European Journal of Paediatric Neurology Volume 13, Supplement 1, Page S128, September 2009.
32. S.A. Crespi, L. Biagi, D.C. Burr, G. d'Avossa, M. Tosetti, M.C. Morrone, 2009, "Spatial attention modulates the spatiotopicity of human MT complex" Perception 38 ECV Abstract Supplement, page 6.
33. C. Pecini, L. Biagi, M. Tosetti, A. Chilosi, P. Cipriani, A. Guzzetta, M.C. Di Lieto, D. Brizzolara "Converging neuroimaging and clinical data in developmental dyslexia: Implications for prevention". Psychology & Health 24:307
34. C. Ambrosi, L. Mascarò, L. Biagi, M. Tosetti, F. Mattioli, R. Gasparotti "Functional MR Imaging in the evaluation of patients with acute ischemic stroke and mild aphasia: preliminary results" Book of Abstracts of 26th ESMRMB Annual Scientific Meeting (Antalya, Turkey 1-3 October 2009), n. 428.
35. C. Ambrosi, L. Mascarò, F. Mattioli, L. Biagi, M. Tosetti, R. Gasparotti "Risonanza magnetica funzionale in pazienti con afasia post-ictus: riorganizzazione delle aree del linguaggio", 25th Congresso Nazionale Associazione Italiana di Neuroradiologia (Florence, 9-12 December 2009).

36. D. Scelfo, [L. Biagi](#), L. Billeci and M. Tosetti “A multi-structural Fiber Crossing Anisotropic Diffusion Phantom for HARDI reconstruction techniques validation” Proceedings of Joint Annual Meeting ISMRM-ESMRMB 2010 (Stockholm, Sweden, 1-7 May 2010) p. 4013, 2010.
37. S. Ortori, M. Tosetti, M. Perri, M. Marchetti, G. Capron, [L. Biagi](#), M. Cosottini, V. Zampa, G. Mariani and C. Bartolozzi “1H MRS to detect biochemical degeneration of the vertebral bone marrow in Gaucher disease” Proceedings of Joint Annual Meeting ISMRM-ESMRMB 2010 (Stockholm, Sweden, 1-7 May 2010) p. 792, 2010.
38. L. Billeci, [L. Biagi](#), S. Calderoni, A. Ahluwalia, M. Tosetti. “The Brain Response to Human and Robotic Faces In Autism”, Secondo Congresso Nazionale di Bioingegneria, GNB2010. Torino, 8-10 July 2010.
39. D. Burr, S. Crespi, [L. Biagi](#), M. Tosetti, G. D’Avossa, MC. Morrone. “Spatiotopic coding of BOLD signal in visual cortex depends on spatial attention” 40th Annual Meeting of the Society-for-Neuroscience, San Diego, CA, USA, November 13 -17, 2010.
40. A. Retico, S. Calderoni, L. Biagi, R. Tancredi, F. Muratori, M. Tosetti Anatomical brain abnormalities in Autism Spectrum Disorder female children detected with VBM and SVM. Proceedings of 2011 HBM Annual Meeting in Quebec City, Canada, 4732.
41. S. Calderoni, A. Retico, [L. Biagi](#), R. Tancredi, F. Muratori, M. Tosetti. “Mass-Univariate and Pattern Classification Analysis on Structural MRI In Children with Autism Spectrum Disorders: a Focus on Females”. 10th International Meeting For Autism Research IMFAR, San Diego (USA), 12-14 May 2011.
42. L. Billeci, S. Calderoni, [L. Biagi](#), F. Muratori, M. Catani, M. Tosetti. “Exploratory data analysis of tractographic measures: a study of the cingulum in ASDs.” Proceedings of ISMRM 19<sup>th</sup> Scientific Meeting (Montréal, Quebec, Canada, 7-13 May 2011) p. 4237, 2011.
43. R. Stara, N. Fontana, M. Alecci, M. Alfonsetti, A. Galante, A. Vitacolonna, [L. Biagi](#), G. Buonincontri, A. Del Guerra, M. Tosetti, G. Manara, A. Monorchio, G. Tiberi, A. Retico. “RF coil design for low and high field MRI: numerical methods and measurements”. In: IEEE Conference Record- Nuclear Science Symposium & Medical Imaging Conference, p. 3465-3469, , Valencia, Spain, 23-29 Oct. 2011 , doi: 10.1109/NSSMIC.2011.6152634.
44. D. Scelfo, [L. Biagi](#), M. Costagli, M. Tosetti. “Automated detection, evaluation and removal of DWI-related artifacts”. Proceedings of ISMRM 20<sup>th</sup> Scientific Meeting (Melbourne, Victoria, Australia, 5-11 May 2012), 2012.
45. D. Scelfo, [L. Biagi](#), M. Costagli, M. Tosetti. “ DART - Diffusion Artifact Removal Tool”. CARS 2012 – Computer Assisted Radiology and Surgery – 26th International Congress and Exhibition – (27-30 June 2012, Pisa, Italy) 2012.
46. C. Pecini, L. Cecchetti, [L. Biagi](#), MC. DiLieta, D. Brizzolara, AM. Chilosi, M. Tosetti. “Morphological abnormalities in Developmental Dyslexia: Adding a role to the Right Putamen. Accettato per “Giornate di neuropsicologia dell’età evolutiva – VIII edizione”, Bressanone 16-19 Gennaio 2013
47. M. Cosottini, D. Frosini, M. Costagli, I. Pesaresi, [L. Biagi](#), G. Tiberi, DAC. Kelley, M. Tosetti. “Optimized structural MR images at UHF to investigate neurodegenerative disorders”. Proceedings of ISMRM 21<sup>st</sup> Scientific Meeting (Salt Lake City, Utah, USA 20-26 April 2013).
48. M. Costagli, D. Frosini, I. Pesaresi, [L. Biagi](#), DAC. Kelley, R. Stara, G. Tiberi, M. Tosetti, M. Cosottini. “Multi parametric MR imaging of the substantia nigra at 7.0T to investigate Parkinson’s Disease”. Proceedings of ISMRM workshop on Ultra High Field MRI (2-5 March 2013, Noordwijk aan Zee, The Netherlands).
49. D. Frosini, [L. Biagi](#), I. Pesaresi, G. Dolce, M. Costagli, G. Tiberi, R. Stara, M. Tosetti, M. Cosottini. “Safety Protocol for monitoring side-effects at 7T” Proceedings of ISMRM workshop on Ultra High Field MRI (2-5 March 2013, Noordwijk aan Zee, The Netherlands).
50. [L. Biagi](#), C. Pfanner, A. Manfredi, A. Tacchi, S. Calderoni, S. Millepiedi, G. Masi, M. Tosetti. “Multi-parametric Magnetic Resonance study in ADHD patients. Proceedings of ISMRM Italian Chapter, 4° Annual Congress (Perugia, Italy 24-25 October 2013), p-63.
51. I. Pesaresi , D. Frosini, [L. Biagi](#), M. Costagli, G. Tiberi, R. Stara, M. Tosetti, M. Cosottini. “Safety Protocol for monitoring side-effects at the first Italian 7T MRI facility. Proceedings of ISMRM Italian Chapter, 4° Annual Congress (Perugia, Italy 24-25 October 2013), p-50.
52. G. Tiberi, M. Costagli, R. Stara, N. Fontana, A. Retico, [L. Biagi](#), A. Monorchio, M. Cosottini, M. Tosetti. “Realistic Estimation of the Local Specific Absorption Rate of Human Calf in MR Scanner at 7T. Proceedings of ISMRM Italian Chapter, 4° Annual Congress (Perugia, Italy 24-25 October 2013), p-49.
53. S. Calderoni, A. Retico, A. Giuliano, [L. Biagi](#), M. Tosetti, F. Muratori. “Gender Differences in the Neuroanatomy of Young Children with Autism Spectrum Disorders Detected by Machine Learning Techniques” 2013 International Meeting for Autism Research.
54. Giuliano , A. Retico, S. Calderoni , [L. Biagi](#) , A. Cosenza , R. Tancredi , F. Muratori , M. Tosetti “MACHINE LEARNING TECHNIQUES IMPLEMENTED ON STRUCTURAL MR IMAGES TO DETECT GENDER-RELATED BRAIN



- ABNORMALITIES IN CHILDREN WITH AUTISM SPECTRUM DISORDER". . Proceedings of ISMRM Italian Chapter, 4° Annual Congress (Perugia, Italy 24-25 October 2013), p-42.
55. M. Cosottini, D. Frosini , I. Pesaresi , M. Costagli , L. Biagi , R. Ceravolo , U. Bonuccelli , M. Tosetti "MAGNETIC RESONANCE IMAGING AT 7T ENABLES THE DIAGNOSIS OF PARKINSON'S DISEASE". Proceedings of ISMRM Italian Chapter, 4° Annual Congress (Perugia, Italy 24-25 October 2013), o-18.
  56. R. Stara, G. Tiberi , M. Costagli , N. Fontana , M. Gabrieli, A. Retico, M. Cosottini, L. Biagi, A. Monorchio, M. Tosetti. "Small Animals MR Volume Coil with Distributed Capacitors at 7.0T". Proceedings of ISMRM Italian Chapter, 4° Annual Congress (Perugia, Italy 24-25 October 2013), o-17.
  57. M.C. Morrone, L. Biagi, S.A. Crespi, M. Tosetti. "Development of BOLD response to visual motion in infants". Perception 2013, 42(S):18.
  58. L. Biagi, S.A. Crespi, M. Tosetti., M.C. Morrone. "Development of visual cortex in infants". Proceedings of Joint ISMRM-ESMRMB Scientific Meeting (Milan, Italy, 10-16 May 2014), 74, 2014.
  59. L. Biagi, M. Casarano, R. Battini<sup>1</sup>, T. Pizzorusso, G. Pini, D. Scelfo, G. Cioni, M. Tosetti. "Structural and metabolic measurements in Rett patients with MECP2 mutation". Proceedings of Joint ISMRM-ESMRMB Scientific Meeting (Milan, Italy, 10-16 May 2014), 1897, 2014.
  60. M. Cosottini, M. Costagli, D. Frosini, I. Pesaresi, L. Biagi, R. Ceravolo, U. Bonuccelli, M. Tosetti. "Magnetic Resonance Imaging at 7T enables the diagnosis of Parkinson's disease". Proceedings of Joint ISMRM-ESMRMB Scientific Meeting (Milan, Italy, 10-16 May 2014), 4701, 2014.
  61. G. Tiberi, N. Fontana, R. Stara, M. Symms, A. Monorchio, M. Costagli, L. Biagi, M. Cosottini, M. Tosetti. "Effects of the load size on the maximum local SAR at 7T". Proceedings of Joint ISMRM-ESMRMB Scientific Meeting (Milan, Italy, 10-16 May 2014), 4930, 2014.
  62. D. Frosini, M. Costagli, I. Pesaresi, L. Biagi, R. Ceravolo, U. Bonuccelli, M. Tosetti, M. Cosottini. "Imaging of the substantia nigra pars compact and iron content at 7 tesla in Parkinson's disease" Movement Disorders 2014, 29(Supplement 1):S73-S74.
  63. M.C. Morrone, L. Biagi, S. Crespi, M. Tosetti. "Development of visual BOLD response in infants". Journal of Vision 2014, 14(10), 14.
  64. A. Retico, M. Alecci, L. Biagi, G. Buonincontri, M. Cosottini, M. Costagli, A. Del Guerra, M.E. Fantacci, N. Fontana, A. Galante, A. Manara, A. Monorchio, F. Morsani, R. Stara, A. Stefanini, G. Tiberi, A. Toncelli, A. Vitacolonna and M. Tosetti, Looking for innovative solutions for ultra-high-field brain and body magnetic resonance imaging: the INFN-IMAGO7 collaboration, Poster al Convegno Dagli Atomi al Cervello, Milano Bicocca, 27 Gennaio 2014.
  65. A. Giuliano, A. Retico, S. Calderoni, L. Biagi, A. Cosenza, R. Tancredi, I. Saviozzi, F. Muratori, M. Tosetti. Tecniche di analisi multivariata per l'identificazione di anomalie neurostrutturali in immagini cerebrali di risonanza magnetica. Relazione orale presso il 100°Congresso Nazionale della Societa' Italiana di Fisica (SIF), 22-26 September 2014, Pisa, Italy.
  66. M. Cosottini, D. Frosini, I. Pesaresi, G. Donatelli, P. Cecchi, M. Costagli, L. Biagi, R. Ceravolo, M. Tosetti B-0082 Comparison of 3T and 7T susceptibility weighted angiography of the substantia Nigra in diagnosing Parkinson's disease. European Congress of Radiology (ECR), 4-8 March 2015, Wien, Austria. B-0082
  67. M. Costagli, M.R. Symms, L. Angeli, D.A.C. Kelley, L. Biagi, C.H.S. Rua, G. Tiberi, M. Tosetti, M. Cosottini. Application of "Zero" Time-of-Echo (ZTE) MRI sequence for "Silent" T1-weighted imaging at 7.0 Tesla. European Congress of Radiology (ECR), 4-8 March 2015, Wien, Austria. B-1083
  68. Donatelli G, Pesaresi I, Costagli M, Caldarazzo Ienco E, Biagi L, Tosetti M, Siciliano G, Cosottini M. Cerebral motor cortex in amyotrophic lateral sclerosis at 7T: morphologic features and clinical correlations. European Congress of Radiology (ECR), 4-8 March 2015, Wien, Austria. C-2073
  69. S.J. Wastling, M.R. Symms, M. Costagli, L. Biagi, M. Cosottini, G. J. Barker, M. Tosetti. "Designing a Hyperbolic Secant Excitation Pulse to Reduce Signal Dropout in 2D Gradient Echo Imaging at 7T". Proceedings of ISMRM 23<sup>rd</sup> Annual Scientific Meeting (Toronto, Canada, 30 May - 5 June 2015), 3718, 2015.
  70. C. Rua, S.J. Wastling, M. Costagli, L. Biagi, M. R. Symms, A. Del Guerra, M. Cosottini, M. Tosetti, G. J. Barker. "Demonstration of recovery of signal loss at 7T in Gradient Echo EPI using Tailored-RF pulses" Proceedings of ISMRM 23<sup>rd</sup> Annual Scientific Meeting (Toronto, Canada, 30 May - 5 June 2015), 3917, 2015.
  71. R. Stara, A. Retico, G. Tiberi, M. E. Fantacci, A. Toncelli, M. Costagli, A. Galante, T. Florio, M. Alecci, M. Cosottini, L. Biagi, G. Astrea, R. Battini, M. Tosetti. "Development of Dedicated Radio-Frequency Coils for 7 Tesla Magnetic Resonance Imaging and Spectroscopy", Proceedings of 2015 IEEE International symposium on MeMeA (Medical Measurements and Applications), 7-9 May 2015, Torino, Italy.

72. A. Retico, A. Giuliano, L. Biagi, R. Pasquariello, M. Tosetti, S. Maestro, F. Muratori, S. Calderoni. "Brain abnormalities in adolescents with anorexia nervosa: new findings from multivariate analysis", Proceedings of 21<sup>st</sup> Annual Meeting of the Organization for Human Brain Mapping (June 14-18 2015, Honolulu, Hawaii, USA), 3306.
73. Donatelli G, Pesaresi I, Costagli M, Caldarazzo lenco E, Biagi L, Tosetti M, Siciliano G, Cosottini M. "Valutazione della corteccia motoria primaria con RM ad ultra alto campo (7T) nei pazienti affetti da Sclerosi Laterale Amiotrofica: correlazioni clinico-radiologiche". 28° congresso nazionale dell'Associazione Italiana di NeuroRadiologia (AINR), Napoli, 16-18 settembre 2015.
74. Donatelli G, Costagli M, Biagi L, Pesaresi I, Frosini D, Tosetti M, Cosottini M. "Mappe quantitative di suscettività magnetica a campo ultra-alto (7T) per la stima della concentrazione del ferro nei nuclei della base". 28° congresso nazionale dell'Associazione Italiana di NeuroRadiologia (AINR), Napoli, 16-18 settembre 2015.
75. Donatelli G, Costagli M, Biagi L, Retico A, Pesaresi I, Caldarazzo lenco E, Tosetti M, Siciliano G, Cosottini M. "Quantizzazione della suscettività magnetica (QSM) e del profilo corticale (CPQ) nella corteccia cerebrale dei pazienti affetti da Sclerosi Laterale Amiotrofica con RM ad ultra-alto campo (7T)". 28° congresso nazionale dell'Associazione Italiana di NeuroRadiologia (AINR), Napoli, 16-18 settembre 2015.
76. Siciliano G, Donatelli G, Pesaresi I, Costagli M, Caldarazzo lenco E, Fabbrini M, Rossi M, Biagi L, Tosetti M, Cosottini M. "Cerebral motor cortex at 7T MRI and clinical correlates in Amyotrophic Lateral Sclerosis". 1st Congress of the European Academy of Neurology 20-23 giugno 2015.
77. Biagi L, Bisogni MG, Camarlinghi N, Costagli M, Sportelli G, Tosetti M, Del Guerra A, Belcari N. "Evaluation of DC/DC switching power regulation with small-scale integrated inductors for PET/MR". EJNMMI Phys. 2015 Dec;2(Suppl 1):A14. doi: 10.1186/2197-7364-2-S1-A14.
78. M. Costagli, G. Donatelli, L. Biagi, E. Caldarazzo lenco, G. Siciliano, M. Tosetti, M. Cosottini. "Quantitative susceptibility mapping of the primary motor cortex in amyotrophic lateral sclerosis." Proceedings of ISMRM Italian Chapter, 7° Annual Congress (Bologna, Italy 4-5 February 2016), C15.
79. G. Tiberi, M. Costagli, L. Biagi, A. De Ciantis, N. Fontana, R. Stara, M.R. Symms, M. Cosottini, R. Guerrini, M. Tosetti. "SAR prediction in Adults and Children in two imaging sequences at 7.0T". Proceedings of ISMRM Italian Chapter, 7° Annual Congress (Bologna, Italy 4-5 February 2016), C22.
80. A. Retico, G. Tiberi, M.E. Fantacci, L. Biagi, M. Cosottini, M. Marletta, R. Stara, M. Costagli, M.R. Symms, G. Buonincontri, G. Aringhieri, V. Zampa, M. Tosetti. "MRI of human knee at 7 T with dedicated radiofrequency coils" Proceedings of ISMRM Italian Chapter, 7° Annual Congress (Bologna, Italy 4-5 February 2016), P80.
81. M.E. Fantacci, L. Biagi, M. Cosottini, M. Costagli, M. Marletta, A. Retico, R. Stara, M. Symms, G. Tiberi, V. Zampa, M. Tosetti. "Magnetic Resonance Imaging at 7 Tesla with dedicated radiofrequency coils". BIODEVICES 2016, 9th International Conference on biomedical Electronics and Devices, 21-23 February 2016, Rome, Italy.
82. A. Retico, G. Donatelli, M. Costagli, L. Biagi, M. E. Fantacci, D. Frosini, G. Tognoni, M. Cosottini and M. Tosetti. "Semiautomatic Image Processing Tool to Measure Small Structures in Magnetic Resonance Images of the Brain at 7 Tesla Application to Hippocampus Subfields of Patients with Mild Cognitive Impairment". BIOIMAGING 2016, 3<sup>rd</sup> International Conference on Bioimaging, 21-23 February 2016, Rome, Italy.
83. L. Biagi, M. Costagli, M.R. Symms, S.J. Wastling, G. Donatelli, M. Cosottini, R. Guerrini, G.J. Barker, M. Tosetti. "Investigation of the Clinical Utility of the Application of a Tailored RF Pulse To Reduced Signal Dropout in Gradient Echo Imaging At 7T". Proceedings of ISMRM workshop on Ultra High Field MRI (6-9 March 2016, Heidelberg, Germany).
84. G. Tiberi, M. Costagli, L. Biagi, A. De Ciantis, N. Fontana, R. Stara, M. R. Symms, M. Cosottini, R. Guerrini, M. Tosetti. "Adults and Children SAR prediction at 7.0T for Axial "Zero" Time-of-Echo (ZTE) sequence". Proceedings of ISMRM workshop on Ultra High Field MRI (6-9 March 2016, Heidelberg, Germany).
85. C. Rua, S. J. Wastling, M. Costagli, L. Biagi, M. Symms, A. Del Guerra, M. Cosottini, M. Tosetti, G. J. Barker. "Detection of brain activation in areas susceptible to signal loss using a Tailored-RF Gradient Echo EPI sequence at 7 Tesla". Proceedings of ISMRM workshop on Ultra High Field MRI (6-9 March 2016, Heidelberg, Germany).
86. L. Biagi, G. Sgandurra, L. Fogassi, A. Guzzetta, G. Cioni, M. Tosetti. "Action observation network in children with unilateral cerebral palsy: an fMRI study". Proceedings of ISMRM 24th Annual Scientific Meeting (Singapore, 7 – 13 May 2016), 3798, 2016.
87. C. Rua, M. Costagli, L. Biagi, M. Symms, M. Cosottini, A. del Guerra, M. Tosetti. "Characterization of ultra-high resolution Gradient Echo and Spin Echo BOLD fMRI in the human visual cortex at 7 Tesla". Proceedings of ISMRM 24th Annual Scientific Meeting (Singapore, 7 – 13 May 2016), 2016. 2412
88. M. Costagli, G. Donatelli, L. Biagi, G. Siciliano, M. Tosetti, M. Cosottini. "Magnetic susceptibility in primary motor cortex correlates with iron concentration and upper motor neuron impairment in amyotrophic lateral sclerosis" Proceedings of ISMRM 24th Annual Scientific Meeting (Singapore, 7 – 13 May 2016), 2016. 1232



89. E. Castaldi, GM. Cicchini, L. Cinelli, [L. Biagi](#), S. Rizzo, MC. Morrone. "Visual BOLD response in late-blind subjects with Argus II retinal prosthesis." European congress on Visual Perception (ECPV) 2016, (Barcelona, Spain, 28 August-1st September), 2016.
90. F. Maggiorelli, G. Buonincontri, A. Retico, J.D. Kaggie, M.J. Graves, [L. Biagi](#), G. Tiberi, M. Tosetti. "Sodium imaging of the human knee cartilage with magnetic resonance at ultra high field: Development of a double frequency (1 H/23 Na) RF coil". Applied Computational Electromagnetics Society Symposium-Italy (ACES), 2017 International, doi:10.23919/ROPACES.2017.7916403.
91. G. Tiberi, M. Costagli, [L. Biagi](#), N. Fontana, R. Stara, M. Symms, M. Cosottini, R. Guerrini, M. Tosetti, "B1+ Maps in Adults and Children Heads at 7.0T: Selection of the Generic Human Head Model and Maximum Local SAR Evaluation". Proceedings of ISMRM 25th Annual Scientific Meeting (Honolulu, Hawaii, USA, 22 – 27 April 2017), 5459.
92. G. Buonincontri, [L. Biagi](#), P. Gómez, R. Schulte, M. Tosetti. "Spiral Keyhole Imaging for MR Fingerprinting". Proceedings of ISMRM 25th Annual Scientific Meeting (Honolulu, Hawaii, USA, 22 – 27 April 2017), 4021.
93. G. Donatelli, A. Retico, E. Caldarazzo Ienco, P. Cecchi, M. Costagli, D. Frosini, [L. Biagi](#), M. Tosetti, G. Siciliano, M. Cosottini. "Assessment of primary motor cortex involvement in ALS patients at 3T and 7T with a semi-automated method". Proceedings of ISMRM Italian Chapter, 8° Annual Congress (Gaeta, 8-9 giugno 2017), C32.
94. M. Cencini, F. Maggiorelli, [L. Biagi](#), G. Buonincontri, G. Tiberi, J.D. Kaggie, F. Riemer, M. Cosottini, M. Tosetti. "Initial results on 23Na sodium quantification in the knee cartilage at 7T". Proceedings of ISMRM Italian Chapter, 8° Annual Congress (Gaeta, 8-9 giugno 2017), P68.
95. G. Tiberi, R. Stara, G. Buonincontri, [L. Biagi](#), M. Symms, R. Fraser, E. Boskamp, R. Schulte, D. Klomp, G. Aringhieri, M. Tosetti. "1H and 31P body imaging at 7.0 T: preliminary results using a 1H 8ch tx/rx array with a butler matrix". Proceedings of ISMRM Italian Chapter, 8° Annual Congress (Gaeta, 8-9 giugno 2017), P70.
96. RM Bruno, L Pratali, R Sicari, F Stea, N Berardi, G Tognoni, U Bonuccelli, L Ghiadoni, S Taddei, D Scelfo, [L. Biagi](#), M Tosetti, L Maffei, E Picano. "Hippocampal cerebral blood flow depends on systemic endothelial function in individuals with mild cognitive impairment: the Train the Brain-Mind the vessel study". European Heart Journal 38 suppl 1; P3443.
97. P. Binda, J. Kurzawski, C. Lunghi, [L. Biagi](#), M. Tosetti, M.C. Morrone. "Short-term monocular deprivation enhances 7T BOLD responses and reduces neural selectivity in V1". Journal of Vision 17 (10), 577-577.
98. G. Buonincontri, [L. Biagi](#), M. Tosetti, P. Cecchi, M. Cosottini, P.A. Gómez, R.F. Schulte, M. McLean, F. Riemer, F. Gallagher, M.J. Graves, J. D Kaggie. "Repeatability of FISP MR Fingerprinting in the Brain at 3.0 T". ISMRM Workshop on Magnetic Resonance Fingerprinting, (15-17 October 2017), Cleveland, OH, USA.
99. M. Cencini, [L. Biagi](#), J. Kaggie, R.F. Schulte, M. Tosetti, G. Buonincontri. "MR Fingerprinting in the knee with dictionary-based fat and water separation". ISMRM Workshop on Magnetic Resonance Fingerprinting, (15-17 October 2017), Cleveland, OH, USA.
100. [L. Biagi](#), P. Cecchi, S. Fiori, G. Donatelli, A. Guzzetta, G. Cioni, M. Tosetti, M. Cosottini. "Investigation of primary somatosensory area with 7T functional MRI by using a pneumatic tactile stimulus". 34th Congress of the European society of Magnetic Resonance in Medicine and biology, (19-21 October 2017), Barcelona, Spain; 471
101. P. Cecchi, [L. Biagi](#), S. Fiori, G. Donatelli, A. Guzzetta, G. Cioni, M. Tosetti, M. Cosottini Investigation of primary somatosensory area with 7T functional MRI by using a pneumatic tactile stimulus". IV Congresso Nazionale di Neuroradiologia Funzionale – Parma (3-4 Novembre 2017).
102. [L. Biagi](#), P. Cecchi, S. Fiori, G. Donatelli, A. Guzzetta, G. Cioni, M. Tosetti, M. Cosottini "A pneumatic tactile stimulus to explore the primary somatosensory area with fMRI, at different magnetic fields". ISMRM 2018; 3658
103. G. Buonincontri, [L. Biagi](#), A. Retico, M. Tosetti, P. Cecchi, M. Cosottini, P.A. Gómez, R.F. Schulte, M. McLean, F. Riemer, F. Gallagher, M.J. Graves, J. D Kaggie. "Repeatability of 2D FISP MR Fingerprinting in the Brain at 1.5T and 3.0 T". ISMRM 2018; 4918
104. M. Cencini, [L. Biagi](#), J. Kaggie, R.F. Schulte, M. Tosetti, G. Buonincontri. "Musculoskeletal MR Fingerprinting with dictionary-based fat and water separation". ISMRM 2018; 6563
105. G. Aringhieri, M. Marletta, S. Toscano, [L. Biagi](#), G. Tiberi, M. Tosetti, M. Cosottini, V. Zampa "Ultra-high-field (7 Tesla) MRI study of the articular cartilage in normal subjects". ISMRM 2018; **7115**
106. G. Buonincontri, P.A Gómez, M. Cencini, G. Fallo, [L. Biagi](#), R.F Schulte, M. Tosetti "Fast parameter mapping at 7T with SSFP MR Fingerprinting using 3D radial trajectories" ISMRM 2018; **7115**
107. F Palesi, D Aquino, R Gianeri, A Pirastru, M Lagana, [L. Biagi](#), M Tosetti, M Grazia Bruzzone, C Wheeler-Kingshott. "MRI quality data assessment in the Italian IRCCS advanced neuroimaging network using ACR phantoms" ISMRM 2019.

108. M Cencini, G Buonincontri, [L. Biagi](#), P Gómez, R Schulte, M Tosetti. "Chasing True FLAIR: a three-component Magnetic Resonance Fingerprinting approach to synthetic MRI" ISMRM 2019.
109. M Costagli, E Kuruoglu, P Ambrosi, G Buonincontri, [L. Biagi](#), M Tosetti. "Sequential Monte Carlo for studying effective connectivity in fMRI" ISMRM 2019.
110. P. Bosco, [L. Biagi](#), A. Retico, A. Nigri, D. Aquino, F. Palesi, M. G. Bruzzone, C. Gandini Wheeler-Kingshott, M. Tosetti, The Italian IRCCS advanced neuroimaging network. Towards a harmonized protocol for structural MRI imaging of the brain for multisite studies in the Italian IRCCS advanced neuroimaging network. ISMRM 2019.
111. [L. Biagi](#), SA Crespi, M Tosetti, MC Morrone. "Development of visual cortex in 5 weeks old infants". CVRS 2019
112. P. Bosco, S. Fiori, R. Pasquariello, E. Scaffei, M. Tosetti, [L. Biagi](#). "Evaluation of brain MRI quality in natural sleep vs anaesthesia in infants within 6 months of life". ISMRM 2020 virtual edition
113. J W Kurzawski , M. Cencini, [L. Biagi](#), G. Donatelli, R. Pasquariello, R. Battini, C. Dosi , C. Ticci, A. Retico, G. Buonincontri , M. Tosetti. "Myelin water fraction (MWF) mapping using Magnetic Resonance Fingerprinting (MRF) in a cohort of patients from a child neurology unit". ISMRM 2020 virtual edition
114. P. Bosco, [L. Biagi](#), G. Cioni, M. Matteoli, A. Sale, N. Berardi, M. Tosetti & the Train the Brain Consortium. "UNSUPERVISED CLUSTERING ON MEASUREMENTS DERIVED FROM ASL AND STRUCTURAL MR IMAGING OF THE BRAIN CAN IDENTIFY SEPARATED PATTERNS IN A COHORT OF MCI AND SCI SUBJECTS", RIN Annual Meeting, first edition, 8-9 July 2020.
115. [L. Biagi](#), C. Dosi, C. Ticci, R. Canapicchi, R. Pasquariello, G. Donatelli, M. Costagli, M. Cosottini, R. Battini, M. Tosetti and Italian DEvelopmental Age Health Network (IDEA Network). "LEUKOENCEPHALOPATHY INDUCED BY RADIO-CHEMOTHERAPY: MR IMAGING FEATURES COMPARED BETWEEN 1.5 AND 7T", RIN Annual Meeting, first edition, 8-9 July 2020.
116. [L. Biagi](#), P. Bosco, M. Costagli, A. Nigri, D. Aquino, R. Gianeri, F. Palesi, G. Savini, V. Manzo, M. Colnaghi, A. Pirastru, F. Baglio, L. Fontana, L. Politi, I. Carne, E. Eshja, F. Arrigoni, D. Peruzzo, L. Pavone, N. Petsasl, V. Contarino, F. Triulzi, L. Weis, L. Ghezzi, A. Iadanza, A. Castellano, G. Giulietti, M. Bozzali, C. Tonon, R. Agati, C. Cavaliere, M. Aiello, S. Marino, C. Ruvolo, MG Bruzzone, C. Gandini Wheeler-Kingshott, M. Tosetta and The Italian IRCCS advanced neuroimaging network. "PRELIMINARY RESULTS OF A HARMONIZED PROTOCOL FOR QUANTITATIVE SUSCEPTIBILITY MAPPING (QSM) OF THE BRAIN FOR MULTISITE STUDIES IN THE ITALIAN IRCCS ADVANCED NEUROIMAGING NETWORK", RIN Annual Meeting, first edition, 8-9 July 2020.
117. P. Bosco, [L. Biagi](#), M. Costagli, A. Nigri, D. Aquino, R. Gianeri, F. Palesi, G. Savino, V. Manzo, M. Colnaghi, A. Pirastru, F. Baglio, L. Fontana, L. Politi, I. Carne, E. Eshja, F. Arrigoni, D. Peruzzo, L. Pavone, N. Petsasl, V. Contarino, F. Triulzi, L. Weis, L. Ghezzi, A. Iadanza, A. Castellano, G. Giulietti, M. Bozzali, C. Tonon, R. Agati, C. Cavaliere, M. Aiello, S. Marino, C. Ruvolo, MG Bruzzone, C. Gandini Wheeler-Kingshott, M. Tosetti. "TOWARDS A HARMONIZED PROTOCOL FOR STRUCTURAL MRI IMAGING OF THE BRAIN FOR MULTISITE STUDIES IN THE ITALIAN IRCCS ADVANCED NEUROIMAGING NETWORK", RIN Annual Meeting, first edition, 8-9 July 2020.
118. A. Nigri, F. Palesi, R. Gianeri, D. Aquino, A. Pirastru, M. Laganà, [L. Biagi](#), P. Bosco, I. Carne, G. Savini, V. Manzo, M. Colnaghi, A. Napolitano, S. Marino, C. Ruvolo, F. Baglio, L. Fontana, L. Politi, E. Eshja, F. Arrigoni, D. Peruzzo, E. Rognone, S. Bastianello, L. Pavone, N. Petsas, V. Contarino, F. Triulzi, L. Weis, L. Ghezzi, A. Iadanza, A. Castellano, G. Giulietti, M. Bozzali, C. Tonon, R. Agati, C. Cavaliere, M. Aiello, L. Roccatagliata, S. Ferraro, MG Bruzzone, M. Tosetti, C. Gandini Wheeler-Kingshott and The Italian IRCCS advanced neuroimaging network. "MRI QUALITY DATA ASSESSMENT IN THE ITALIAN IRCCS ADVANCED NEUROIMAGING NETWORK USING ACR PHANTOMS", RIN Annual Meeting, first edition, 8-9 July 2020.
119. MG. Bruzzone, S. Ferraro, A. Nigri, C. Gandini Wheeler-Kingshott, M. Tosetti, A. Redolfi, E. D'Angelo, G. Forloni, F. Palesi, D. Aquino, A. Pirastru, M. Laganà, [L. Biagi](#), P. Bosco, I. Carne, G. Savini, S. De Francesco, E. Micotti, V. Manzo, M. Colnaghi, A. Napolitano, S. Marino, C. Ruvolo, F. Baglio, L. Fontana, L. Politi, E. Eshja, F. Arrigoni, D. Peruzzo, E. Rognone, S. Bastianello, L. Pavone, N. Petsas, V. Contarino, F. Triulzi, L. Weis, L. Ghezzi, A. Iadanza, A. Castellano, G. Giulietti, M. Bozzali, C. Tonon, R. Agati, C. Cavaliere, M. Aiello, L. Roccatagliata, F. Tagliavini, and The Italian IRCCS advanced neuroimaging network "THE EXPERIENCE OF THE ITALIAN IRCCS ADVANCED NEUROIMAGING NETWORK", RIN Annual Meeting, first edition, 8-9 July 2020.
120. M. Lucignani, A. Napolitano, F. Bottino, M. Tosetti, MG. Bruzzone, A. Nigri, D. Aquino, F. Palesi, E. Rognone, S. Bastianello, C. Cavaliere, M. Aiello, A. Pirastru, F. Baglio, L. Fontana, L. Politi, C. Tonon, R. Agati, S. Marino, C. Ruvolo, V. Contarino, F. Triulzi, A. Iadanza, A. Castellano, L. Weis, L. Ghezzi, L. Pavone, N. Petsas, F. Arrigoni, D. Peruzzo, G. Giulietti, M. Bozzali, [L. Biagi](#), P. Bosco, V. Manzo, M. Colnaghi, C. Gandini Wheeler-Kingshott and Italian IRCCS advanced neuroimaging network "FUNCTIONAL STABILITY OF CLINICAL RESEARCH NEUROLOGICAL SCANNERS", RIN Annual Meeting, first edition, 8-9 July 2020.

121. A. Napolitano, M. Lucignani, F. Bottino, L. Breschi, G. Giulietti, M. Bozzali, L. Pavone, N. Petsas, A. Nigri, D. Aquino, I. Carne, E. Eshja, A. Pirastru, F. Baglio, [L. Biagi](#), P. Bosco, M. Costagli, G. Savini, F. Palesi, MG. Bruzzone, M. Tosetti, C. Gandini Wheeler-Kingshott and Italian IRCCS advanced neuroimaging network "ASSESSING THE EFFECT OF RUNNING AN HARMONIZATION ALGORITHM ON THE RELIABILITY OF TRAVELLING BRAIN DATA", RIN Annual Meeting, first edition, 8-9 July 2020.
122. G. Savini, F. Palesi, P. Martucci, A. Nigri, D. Aquino, R. Gianeri, C. Pinardi, I. Carne, M. Laganà, A. Pirastru, [L. Biagi](#), P. Bosco, M. Costagli, V. Manzo, M. Colnaghi, S. Marino, C. Ruvolo, F. Baglio, L. Fontana, L. Politi, E. Eshja, F. Arrigoni, D. Peruzzo, E. Rognone, S. Bastianello, A. Iadanza, A. Castellano, G. Giulietti, M. Bozzali, C. Tonon, R. Agati, C. Cavaliere, M. Aiello, MG. Bruzzone, M. Tosetti, C. Gandini Wheeler-Kingshott, "RIN – NEUROIMAGING WP2: PRELIMINARY RESULTS FROM THE HARMONIZED DIFFUSION MRI PROTOCOL", RIN Annual Meeting, first edition, 8-9 July 2020.
123. G. Savini, F. Palesi, P. Martucci, A. Nigri, D. Aquino, R. Gianeri, C. Pinardi, I. Carne, M. Laganà, A. Pirastru, [L. Biagi](#), P. Bosco, M. Costagli, V. Manzo, M. Colnaghi, S. Marino, C. Ruvolo, F. Baglio, L. Fontana, L. Politi, E. Eshja, F. Arrigoni, D. Peruzzo, E. Rognone, S. Bastianello, A. Iadanza, A. Castellano, G. Giulietti, M. Bozzali, C. Tonon, R. Agati, C. Cavaliere, M. Aiello, MG. Bruzzone, M. Tosetti, C. Gandini Wheeler-Kingshott, "RIN – NEUROIMAGING WP2: EVALUATION OF THE ACCELERATED HARMONIZED DIFFUSION MRI PROTOCOL", RIN Annual Meeting, first edition, 8-9 July 2020.
124. M. Cencini, [L. Biagi](#), JW Kurzawski, R. Pasquariello, G. Donatelli, C. Dosi, C. Ticci, R. Battini, G. Buonincontri and M. Tosetti, "EVALUATION OF MYELIN WATER FRACTION (MWF) MAPPING USING MAGNETIC RESONANCE FINGERPRINTING (MRF) IN A COHORT OF PATIENTS FROM A CHILD NEUROLOGY UNIT", RIN Annual Meeting, first edition, 8-9 July 2020.
125. P. Bosco, S. Fiori, R. Pasquariello, E. Scaffei, M. Tosetti, [L. Biagi](#) "BRAIN MRI QUALITY IN NATURAL SLEEP VS ANAESTHESIA IN INFANTS WITHIN 6 MONTHS OF LIFE", RIN Annual Meeting, first edition, 8-9 July 2020.
126. E. Cipriano, P. Bosco, [L. Biagi](#), S. Fiori, M. Bartoli, P. Cipriani, M. Tosetti, A. Chilosi "BRAIN MORPHOMETRY ABNORMALITIES AND WHITE MATTER ALTERATIONS IN SUBJECTS WITH CHILDHOOD APRAXIA OF SPEECH: A PRELIMINARY ANALYSIS". RIN Annual Meeting, first edition, 8-9 July 2020.
127. M Cencini, [L. Biagi](#), J Kurzawski, R Pasquariello, G Donatelli, C Dosi, C Ticci, R Battini, G Buonincontri, M Tosetti. "Myelin water fraction (MWF) mapping using Magnetic Resonance Fingerprinting (MRF) in a cohort of patients from a child neurology unit", RIN Annual Meeting, first edition, 8-9 July 2020
128. G. Aringhieri, V. Gagliardi, A. Retico, F. Campanella, M. Marletta, G. Tiberi, [L. Biagi](#), M. Tosetti "Knee MRI: SAR estimation at 7T versus 3T and management strategies in case of metal prostheses", XI Annual Congress of AIRMM, 10-11 December 2020.
129. E. Cipriano, P. Bosco, [L. Biagi](#), S. Fiori, M. Bartoli, P. Cipriani, M. Tosetti, A. Chilosi "Brain morphometry abnormalities and white matter alterations in subjects with Childhood Apraxia of Speech: a preliminary analysis", XI Annual Congress of AIRMM, 10-11 December 2020.
130. P. Bosco, S. Fiori, R. Pasquariello, E. Scaffei, M. Tosetti, [L. Biagi](#) "Evaluation of brain MRI quality in natural sleep vs anaesthesia in infants within 6 months of life." XI Annual Congress of AIRMM, 10-11 December 2020.
131. P. Bosco, [L. Biagi](#), G. Cioni, M. Matteoli, A. Sale, N. Berardi, M. Tosetti, and the Train the Brain Consortium "Unsupervised clustering on measurements derived from ASL and structural MR imaging of the brain can identify separated patterns in a cohort of MCI and SCI subjects." XI Annual Congress of AIRMM, 10-11 December 2020.
132. [L. Biagi](#), R. Canapicchi, R. Pasquariello, C. Dosi, C. Ticci, G. Donatelli, M. Costagli, M. Cosottini, R. Battini, M. Tosetti, "Ultra-high field MR findings in radio-chemotherapy induced toxic leukoencephalopathy" XI Annual Congress of AIRMM, 10-11 December 2020.
133. P. Bosco, [L. Biagi](#), F. Palesi, G. Savini, A. Nigri, D. Aquino, R. Gianeri, I. Carne, M. Laganà, A. Pirastru, MG. Bruzzone, C. Gandini Wheeler-Kingshott, M. Tosetti, "Towards a harmonized protocol for structural MRI imaging of the brain for multisite studies in the Italian IRCCS advanced neuroimaging network" XI Annual Congress of AIRMM, 10-11 December 2020.
134. P. Ambrosi, M. Costagli, E. Kuruoglu, [L. Biagi](#), G. Buonincontri, M. Tosetti, "Investigating brain function dynamics with fMRI and sequential Monte Carlo" XI Annual Congress of AIRMM, 10-11 December 2020.
135. M. Cencini, [L. Biagi](#), JW Kurzawski, R. Pasquariello, G. Donatelli, C. Dosi, C. Ticci, R. Battini, G. Buonincontri, M. Tosetti "Myelin water fraction (MWF) mapping using Magnetic Resonance Fingerprinting (MRF) in a cohort of patients from a child neurology unit" XI Annual Congress of AIRMM, 10-11 December 2020.
136. N. Campese, E. Del Prete, D. Frosini, G. Donatelli, M. Costagli, [L. Biagi](#), G. Massimiliano, C. Pacchetti, M. Terzaghi, P. Cortelli, D. Arnaldi, M. Tosetti, U. Bonuccelli, M. Cosottini, R. Ceravolo, "Ultra-high field imaging of the

- substantia nigra in REM sleep behavior disorder: preliminary data from a three years clinical and radiological follow-up” XI Annual Congress of AIRMM, 10-11 December 2020.
137. G. Donatelli, A. Emmi, M. Costagli, P. Cecchi, V. Macchi, A. Porzionato, L. Biagi, M. Tosetti, R. De Caro, M. Cosottini, “In vivo - ex vivo brain imaging: the performance of 7T MRI in revealing the normal radiological anatomy” XI Annual Congress of AIRMM, 10-11 December 2020.
  138. L. Biagi, G. Aringhieri, V. Gagliardi, M. Marletta, G. Tiberi, F. Campanella, A. Retico, M. Tosetti, “Fast B1 mapping at clinical magnetic field strength in the presence of MR compatible knee prosthesis” XI Annual Congress of AIRMM, 10-11 December 2020.
  139. G. Savini, F. Palesi, P. Martucci, A. Nigri, D. Aquino, R. Gianeri, C. Pinardi, I. Carne, M. Laganà, A. Pirastru, L. Biagi, P. Bosco, M. Costagli, V. Manzo, M. Colnaghi, S. Marino, C. Ruvolo, F. Baglio, L. Fontana, L. Politi, E. Eshja, F. Arrigoni, D. Peruzzo, E. Rognone, S. Bastianello, A. Iadanza, A. Castellano, G. Giulietti, M. Bozzali, C. Tonon, R. Agati, C. Cavaliere, C. Aiello, MG. Bruzzone, M. Tosetti, C. Gandini Wheeler-Kingshott, “RIN - Neuroimaging WP2: preliminary results from the harmonized diffusion MRI protocol” XI Annual Congress of AIRMM, 10-11 December 2020.
  140. G. Savini, F. Palesi, P. Martucci, A. Nigri, D. Aquino, I. Carne, M. Laganà, A. Pirastru, L. Biagi, P. Bosco, M. Costagli, V. Manzo, M. Colnaghi, S. Marino, C. Ruvolo, F. Baglio, L. Fontana, L. Politi, E. Eshja, F. Arrigoni, D. Peruzzo, E. Rognone, S. Bastianello, A. Iadanza, A. Castellano, G. Giulietti, M. Bozzali, C. Tonon, R. Agati, C. Cavaliere, M. Aiello, MG. Bruzzone, M. Tosetti, C. Gandini Wheeler-Kingshott, “RIN - Neuroimaging WP2: evaluation of the accelerated harmonized diffusion MRI protocol” XI Annual Congress of AIRMM, 10-11 December 2020.
  141. L. Biagi, R. Pasquariello, R. Canapicchi, C. Ticci, C. Dosi, G. Donatelli, M. Costagli, M. Cosottini, R. Battini, M. Tosetti and Italian DEvelopmental Age Health Network (IDEA Network). Radio-chemotherapy induced toxic leukoencephalopathy: ultra-high field MR findings. 2021 Annual Scientific Meeting and Exhibition of ISMRM, virtual edition, 15-20 May 2021
  142. M. Cencini, M. Lancione, L. Biagi, JW Kurzawski, R. Pasquariello, G. Donatelli, C. Dosi, C. Ticci, R. Battini, G. Buonincontri and M. Tosetti. Myelin Water Fraction Mapping in developing children using Magnetic Resonance Fingerprinting 2021 Annual Scientific Meeting and Exhibition of ISMRM, virtual edition, 15-20 May 2021
  143. M. Cencini, M. Lancione, L. Biagi, R. Pasquariello, L. Peretti, C. M. Pirkl, R. F. Schulte, G. Buonincontri, A. Arduino, L. Zilberti, M. Tosetti. “Fast high-resolution Electric Properties Mapping using threedimensional MR Fingerprinting based water fraction estimation (MRF-EPT)”. XII Annual Congress of AIRMM, 16-17 December 2021
  144. P. Bosco, L. Biagi, S. Fiori, C. Bombonato, M. Tosetti, A. Chilosi “Brain morphometry abnormalities in children with Childhood Apraxia of Speech” XII Annual Congress of AIRMM, 16-17 December 2021
  145. Biagi L., Cecchi P., Tosetti M. “Acceptance tests of an ultra-high field MR system: a protocol in compliance with new standard IEC 62464-1:2018”. XII Annual Congress of AIRMM, 16-17 December 2021
  146. Biagi L., Cecchi P., Tosetti M. “Acceptance Tests of an Ultra-High Field MR System: A Protocol in Compliance with New Standard IEC 62464–1:2018” ISMRM workshop on Ultra High Field MRI, 19-22 March 2022, Lisbon, Portugal
  147. M. Lancione, M. Cencini, G. Donatelli, P. Cecchi, M. Costagli, L. Biagi, M. Tosetti. “Fast & Accurate Quantitative Susceptibility Mapping via Combined Parallel Imaging & Compressed Sensing” ISMRM workshop on Ultra High Field MRI, 19-22 March 2022, Lisbon, Portugal
  148. M. Cencini, M. Lancione, L. Biagi, R. Pasquariello, L. Peretti, CM. Pirkl, RF. Schulte, G. Buonincontri, A. Arduino, L. Zilberti, M. Tosetti. “Fast high- resolution Electric Properties Mapping using three-dimensional MR Fingerprinting (MRF-EPT)”. Joint Annual Meeting ISMRM-ESMRMB & ISMRT 31st Annual Meeting, 07-12 May 2022, London, England, UK
  149. E Cipriano, L Biagi, P Bosco, G Cioni, A Sale, N Berardi, M Matteoli, M Tosetti & the Train the Brain Consortium. “Application of Graph Theory in the study of functional and structural connectivity in Mild Cognitive Impairment (MCI) disease”. Joint Annual Meeting ISMRM-ESMRMB & ISMRT 31st Annual Meeting, 07-12 May 2022, London, England, UK
  150. Lancione M., Cencini M., Scaffei E., Cipriano E., Buonincontri G., Ticci C., Pasquariello R., Battini R., Canapicchi R., Biagi L., Tosetti M. and Italian DEvelopmental Age Health Network (IDEA). “Assessing white matter maturation and integrity in children using multi-component 3D-MR Fingerprinting and diffusion imaging”. Joint Annual Meeting ISMRM-ESMRMB & ISMRT 31st Annual Meeting, 07-12 May 2022, London, England, UK
  151. Biagi L., Cecchi P., Tosetti M. “A protocol for the acceptance tests of an ultra-high field MR system, in compliance with new standard IEC 62464-1:2018.” Joint Annual Meeting ISMRM-ESMRMB & ISMRT 31st Annual Meeting, 07-12 May 2022, London, England, UK

152. P. Bosco, M. Matteoli, E. Cipriano, A. Sale, S. Cintoli, N. Berardi, M. Tosetti, L. Biagi and The Train the Brain Consortium. "Cerebral Blood Flow assessed by MRI in a naturalistic cohort of MCI subjects", PSMR-TBP 2022 9th Conference 28 May – 2 June 2022, Isola d'Elba, Italy
153. E. Cipriano, P. Bosco, S. Fiori, C. Bombonato, M. Tosetti, A. Chilosi, L. Biagi. "White matter alterations in speech-language pathways in Childhood Apraxia of Speech disorder". XIII Annual Congress of AIRMM, 23-25 November 2022
154. E. Scaffei, M. Cencini, S. Fiori, L. Biagi, D. Montanaro, R. Pasquariello, M. Tosetti "Magnetic Resonance Fingerprinting for the assessment of the neonatal brain: a pilot study in non-sedated sleep neuroimaging". XIII Annual Congress of AIRMM, 23-25 November 2022
155. L. Biagi, M. Tosetti, S. A. Crespi, M. C. Morrone. "Development of BOLD response to motion stimuli in human infants". XIII Annual Congress of AIRMM, 23-25 November 2022
156. M. Cencini, R.F. Schulte, M. Lancione, C.M. Pirkl, L. Biagi, G. Donatelli, M. Tosetti "Simultaneous T1 and T2 relaxometry of the human brain at 7T using Magnetic Resonance Fingerprinting". XIII Annual Congress of AIRMM, 23-25 November 2022
157. P. Bosco, L. Biagi, M. Cencini, M. Lancione, M. Matteoli, S. Cintoli, A. Sale, N. Berardi, M. Tosetti & the Train the Brain Consortium "T1 and T2 map alterations in four different brain atrophy patterns in a cohort of MCI subjects: a MRF study." XIII Annual Congress of AIRMM, 23-25 November 2022.
158. M. Lancione, P. Bosco, M. Costagli, A. Nigri, D. Aquino, I. Carne, S. Ferraro, G. Giulietti, A. Napolitano, F. Palesi, L. Pavone, A. Pirastru, G. Savini, F. Tagliavini, M.G. Bruzzone, C. A. M. Gandini Wheeler-Kingshott, M. Tosetti, L. Biagi. "Riproducibilità multi-centro e multi-vendor di un protocollo standardizzato per Quantitative Susceptibility Mapping (QSM) dell'encefalo a 3T", Il RIN Annual Meeting, Bologna 15-16 December 2022.
159. F. Palesi, A. Nigri, R. Gianeri, D. Aquino, A. Redolfi, L. Biagi, I. Carne, S. De Francesco, S. Ferraro, P. Martucci, J. P. Medina, A. Napolitano, A. Pirastru, F. Baglio, F. Tagliavini, M. G. Bruzzone, M. Tosetti, C. A. M. Gandini Wheeler-Kingshott. "Valutazione della qualità dei dati di risonanza magnetica per la RIN - Neuroimaging Network utilizzando i fantocci ACR" Il RIN Annual Meeting, Bologna 15-16 December 2022.
160. P. Bosco, L. Biagi, M. Cencini, M. Lancione, M. Matteoli, S. Cintoli, A. Sale, N. Berardi, M. Tosetti & the Train the Brain Consortium "Alterazioni di mappe di T1 e T2 in quattro differenti tipi di atrofia in una coorte di soggetti MCI: uno studio di MRF" Il RIN Annual Meeting, Bologna 15-16 December 2022.
161. M. Cencini, R. F. Schulte, M. Lancione, C. M. Pirkl, L. Biagi, G. Donatelli, M. Tosetti "Mappatura simultanea di T1 and T2 dell'encefalo a 7T tramite Magnetic Resonance Fingerprinting" Il RIN Annual Meeting, Bologna 15-16 December 2022
162. E. Cipriano, P. Bosco, S. Fiori, C. Bombonato, M. Tosetti, A. Chilosi, L. Biagi "Alterazioni della sostanza bianca lungo fasci di fibre nervose legati al linguaggio nella Disprassia Verbale Evolutiva". Il RIN Annual Meeting, Bologna 15-16 December 2022

## **ANNEX A.3. Active participation to congresses and meetings**

### **Organizing**

1. Organization of Course on MR safety “BRIC: Attività di ricerca, routine diagnostica e sicurezza in RM da 7 Tesla ai campi clinici una procedura per la stima del SAR indotto dal campo elettromagnetico” 11 December 2019, Pisa, Italy. (<https://www.inail.it/cs/internet/docs/alg-programma-bric-id-39-rm-tesla.pdf>)
2. Scientific Committee of XII Annual congress of AIRMM (Associazione Italiana di Risonanza Magnetica in Medicina), virtual edition, 16-17 December 2021. (<https://airmm.congressonazionale.com/2021/>)
3. Local organizing Committee of XIII Annual congress of AIRMM (Associazione Italiana di Risonanza Magnetica in Medicina), 23-25 November 2022. (<https://congressonazionaleairmm2022.it/ProgrammaAIRMM2022.pdf>)
4. Scientific Committee of the national congress “Update sulla disprassia verbale evolutiva: dalle basi teoriche scientifiche sulla pratica clinica.” 13-14 January 2023, Pisa, Italy.

### **Moderating**

1. Chairman of “Neuroapplications of Ultra-High Field” session (20 March 2022, 8:30), at ISMRM workshop on Ultra High Field MRI, 19-22 March 2022, Lisbon, Portugal (<https://www.ismrm.org/workshops/2022/UHF/>)
2. Chairman of “Pediatric MRI” session (24 Nov 2022, 10:00) at XIII Annual congress of AIRMM (Associazione Italiana di Risonanza Magnetica in Medicina), 23-25 November 2022, Pisa, Italy (<https://congressonazionaleairmm2022.it/ProgrammaAIRMM2022.pdf>)

### **Invited Lectures**

1. Lecture at Liceo Classico “N. Machiavelli” in Lucca, during the Week of Science 2005, 17 March 2005, Lucca, Italy. Title “Immagini funzionali in Medicina” (Functional Images in Medicine).
2. Lecture at the study group on MR of the AIFM (Italian Society for Medical Physics), 15 June 2007, Florence, Italy. Title: “Tecniche di Risonanza Magnetica Nucleare per la Misura della Perfusione Cerebrale” (MR Techniques for the in vivo measure of the cerebral perfusion).
3. Lecture at the course “Tecniche Avanzate in RM: dai principi alle applicazioni in vivo” (Advanced MR techniques: from principles to the applications in vivo) during the *Scuola Superiore di Fisica in Medicina “P. Caldirola”* (School on Medical Physics), 5-6 November 2008, Como, Italy. Title “Esercitazioni pratiche di fMRI” (Practical Training in fMRI).
4. Lecture at the course “La Risonanza Magnetica nelle neuroscienze dello sviluppo” (Magnetic Resonance in developing neuroscience), 20-21 November 2009, Pisa, Italy. Title: “Tecniche avanzate: Spettroscopia, Funzionale, Diffusione e Perfusione” (Advance techniques: Spectroscopy, fMRI, diffusion and perfusion imaging).
5. Lecture at the course “La Risonanza Magnetica nelle neuroscienze dello sviluppo” (Magnetic Resonance in developing neuroscience), 20-21 November 2009, Calambrone, Pisa, Italy. Title “The sensory-motor system and the mirror neuron system”.
6. Lecture at 44° Congresso Nazionale SIRM (National Congress of SIRM, Italian Society for Medical Radiology), 11-15 June 2010, Verona, Italy. Session “RM ad alto campo” (MR at high field), title “Cosa cambia con l’alto campo” (What does the high field change).

7. Lecture at Group Meeting di Neuroscienze di Base e Cliniche of University of Pisa, Pisa 1<sup>st</sup> February 2018. "Exploring the CNS in neurodevelopmental disorders and disabilities".
8. Invited Lecture at 1st Workshop of ANNA Consortium "Alzheimer prevention: how to assess and promote neuroprotective mechanisms". Title: "Beyond the plaques: functionality and training the brain", 25<sup>th</sup> February 2019, Max Planck Institute Tübingen, Germany
9. Invited presentation at the national congress "Update sulla disprassia verbale evolutiva: dalle basi teoriche scientifiche sulla pratica clinica." Title: "Neuroimaging cerebrale: applicazione di tecniche morfometriche e studio della connettività nella disprassia verbale", Pisa, Italy

### Oral presentations

1. Oral presentation at ISMRM workshop: "Quantitative Cerebral Perfusion Imaging Using MRI: a Technical Perspective", 21-23 March 2004, Isola di San Servolo, Venice, Italy. Title: "Age dependent variation of cerebral perfusion assessed by continuous arterial spin labeling".
2. Oral presentation at the International Symposium "Treatment of paretic hand in childhood: new approaches", 2-3 October 2009, Pisa, Italy. Title: "Anterior intraparietal cortex codes complexity of observed hand movements"
3. Oral presentation at the Joint Annual Meeting ISMRM-EMRMB, 10-16 May 2014, Milan, Italy. Session "Normal Developing Brain", Title: "Development of visual cortex in infants" (74).
4. Oral presentation at the Symposium "La Risonanza Magnetica ad Ultra Alto Campo (UHF) a Pisa", Title: "Tecniche di Risonanza Magnetica Funzionale a 7T".
5. Oral presentation at 34<sup>th</sup> Congress of EMRMB, 19-21 October 2017, Barcelona, Spain. Session "Brain: Focus on fMRI", Title: "Investigation of primary somatosensory area with 7T functional MRI by using a pneumatic tactile stimulus." (471).
6. Oral presentation at Child Vision Society's 2019 Biennial Meeting 15-17 June 2019. Title: "Development of visual cortex in 5 weeks old infants".
7. Oral presentation at Course on MR safety "BRIC: Attività di ricerca, routine diagnostica e sicurezza in RM da 7 Tesla ai campi clinici una procedura per la stima del SAR indotto dal campo elettromagnetico", 11 December 2019, Pisa, Italy. Title: "L'esperienza della RM a campo ultra alto: procedura standardizzata per la valutazione del SAR in tutti i sistemi RM".
8. Oral presentation at XI Annual congress of AIRMM, virtual edition, 10-11 December 2020. Title: "Ultra-high field MR findings in radio-chemotherapy induced toxic leukoencephalopathy".
9. Oral presentation at "Metabolic Imaging with PET, MR and PET/MR" session, PSMR-TBP 2022 9th Conference 28 May – 2 June 2022, Isola d'Elba, Italy. Title: "Cerebral Blood Flow assessed by MRI in a naturalistic cohort of MCI subjects".

## **ANNEX A.4. Continuing education and training activities**

### **Scientific Meeting, Courses, Workshop attended**

#### **2002**

1. Course GE Healthcare, “*MR Spectroscopy Course*”, 24-28 April 2002, Calambrone, Pisa, Italy.
2. 10<sup>th</sup> Scientific Meeting and Exhibition of ISMRM, 18-24 May 2002, Honolulu, Hawaii, USA.
3. 4<sup>th</sup> International fMRI meeting and Autumn School, 25-27 October 2002, Sorrento, Naples, Italy.

#### **2003**

4. 11<sup>th</sup> Scientific Meeting and Exhibition of ISMRM, 10-16 July 2003, Toronto, Ontario, Canada.
5. Course “*fMRI analysis with AFNI and SUMA*”, 6-10 October 2003, Pisa, Italy.

#### **2004**

6. ISMRM workshop on Cerebral Perfusion: “*Quantitative Cerebral Perfusion Imaging Using MRI: a Technical Perspective*”, 21-23 March 2004, Isola di San Servolo, Venice, Italy.
7. 12<sup>th</sup> Scientific Meeting and Exhibition of ISMRM, 15-21 May 2004, Kyoto, Japan.
8. International Conference of IEEE in Nuclear Science Symposium (NSS) and Medical Imaging Conference (MIC), 16-22 October 2004, Roma, Italy.

#### **2005**

9. 13<sup>th</sup> Scientific Meeting and Exhibition of ISMRM, 7-13 May 2005, Miami Beach, Florida, USA.
10. 22<sup>th</sup> Annual Meeting of ESMRMB, 15-18 September 2005, Basel, Switzerland.

#### **2006**

11. 14<sup>th</sup> Scientific Meeting and Exhibition of ISMRM, 6-12 May 2006, Seattle, Washington, USA.
12. 12<sup>th</sup> Annual Meeting of Human Brain Mapping, 11-15 June 2006, Florence, Italy.

#### **2007**

13. Training Course for “*Esperti Responsabili della Sicurezza in Risonanza Magnetica*”, (Responsible Expert for the MR Safety) organized by the *Associazione Italiana di Fisica Medica (AIFM)*, 22-24 March 2007, Rome, Italy.
14. Joint Annual Meeting ISMRM-ESMRMB, 19-25 May 2007, Berlin, Germany.
15. V Congresso Nazionale AIFM, 17-20 September 2007, Castelvecchio Pascoli (LU), Italy.
16. First European Conference on Medical Physics- Xth EFOMP Congress, 20 - 22 September 2007, Castelvecchio Pascoli (LU), Italy.

#### **2008**

17. ISMRM Workshop on High Field Systems and Applications: “*What's Special about 7T+?*”, 15-17 October 2008, Roma, Italy.
18. Course “*Tecniche Avanzate in RM: dai principi alle applicazioni in vivo*” (Advanced MR techniques: from principles to the applications in vivo) during the Scuola Superiore di Fisica in Medicina “P. Caldirola” (School on Medical Physics), 5-6 November 2008, Como, Italy.

#### **2009**

19. 17<sup>th</sup> Scientific Meeting and Exhibition of ISMRM, 18-24 April 2009, Honolulu, Hawaii, USA.
20. Course GE Healthcare, “*Advanced MR Spectroscopy Training Class*”, 4-7 June 2009, Pisa, Italy.
21. International Symposium, “*Treatment of paretic hand in childhood: new approaches*”, 2-3 October 2009, Calambrone Pisa, Italy.
22. Course “*La Risonanza Magnetica nelle neuroscienze dello sviluppo*” (Magnetic Resonance in developing neuroscience), 20-21 November 2009, Calambrone. Pisa, Italy.

#### **2010**

23. First Annual Meeting of Italian Chapter of ISMRM “*Risonanza Magnetica in Medicina: dalla ricerca tecnologica avanzata alla pratica clinica*” (Magnetic Resonance in Medicine: from the technology to the clinical practice), 4-5 February 2010, Milano, Italy.



24. Conference “*Ultra High Field Magnetic Resonance Imaging: Neuroscience and Beyond*,” 27 March 2010, Calambrone. Pisa, Italy.
25. 18<sup>th</sup> Scientific Meeting and Exhibition of ISMRM, 1-7 May 2010, Stockholm, Sweden.
26. 44° Congresso Nazionale SIRM (National Congress of SIRM, Italian Society for Medical Radiology), 11-15 June 2010, Verona, Italy.

### **2011**

27. Annual Meeting of Italian Chapter of ISMRM “*Risonanza Magnetica in Medicina: dalla ricerca tecnologica avanzata alla pratica clinica*”, 30 March-1 April 2011, Roma, Italy.
28. 19<sup>th</sup> Scientific Meeting and Exhibition of ISMRM, 7-13 Maggio 2011, Montréal, Quebec, Canada.
29. Course GE Healthcare, “*EPIC course*”, 31 May-3 June 2011, Pisa, Italy.

### **2012**

30. ISMRM workshop on Cerebral Perfusion MRI: “Standardization, Beyond CBF & Everyday Clinical Applications”, 11-14 October 2012, Amsterdam, The Netherlands.

### **2013**

31. ISMRM workshop on Ultra High Field MRI: “What is in Full Bloom & What is Sprouting?”, 2-5 March 2013, Noordwijk aan Zee, The Netherlands.

### **2014**

32. Joint Annual Meeting ISMRM-ESMRMB, 10-16 May 2014, Milan, Italy.
33. XII Congresso Nazionale AiNR di Neuroradiologia Padiatrica (National Congress on Pediatric Neuroradiology of AiNR, Italian Society for Neuroradiology), 2-4 October 2014, Milan, Italy.

### **2015**

34. Summer School of Ultra-High Field Magnetic Resonance Imaging (HiMR). 13-16 May 2015, Isola d’Elba, Italy.
35. Meeting del progetto Europeo “TRIMAGE”, 11-12 December 2015, Paris France

### **2016**

36. ISMRM workshop on Ultra High Field MRI: “Technological Advances & Clinical Applications”, 6-9 March 2016, Heidelberg, Germany.
37. 24<sup>th</sup> Scientific Meeting and Exhibition of ISMRM, 7-13 May 2016, Singapore.
38. Symposium “La Risonanza Magnetica ad Ultra Alto Campo (UHF) a Pisa”, 24 June 2016, Pisa, Italy.
39. GE MR-ultra field users meeting, 7-8 October 2016, Milan, Italy.

### **2017**

40. WSMD 2017- Workshop on Schizophrenia and other Mental Disorders, 15-16 June 2017, Pisa, Italy.
41. 24<sup>th</sup> Annual Meeting of ESMRMB, 19-21 October 2017, Barcelona, Spain.

### **2018**

42. ECR 2018, 28 February-4 March 2018, Wien, Austria
43. Meeting RIN project, 31 May 2018, Milan, Italy
44. Joint Annual Meeting ISMRM-ESMRMB, 16-21 June 2018, Paris, France
45. First *MRtrix3* workshop, June 22-24, Paris, France
46. Meeting RIN project, 24-25 October, Pozzilli, IS, Italy

### **2019**

47. 1<sup>st</sup> Workshop of the ANNA Consortium “Alzheimer prevention: how to assess and promote neuroprotective mechanisms”. 25-27 February 2019, Max Planck Institute Tübingen, Germany
48. Child Vision Society’s 2019 Biennial Meeting, VRS 15-17 June 2019, Pisa, Italy.
49. Course on medical device “Le indagini cliniche sui dispositivi medici: confronto tra etica e regolatorio”, 15 November 2019, Florence, Italy.

50. Course on MR safety “BRIC: Attività di ricerca, routine diagnostica e sicurezza in RM da 7 Tesla ai campi clinici una procedura per la stima del SAR indotto dal campo elettromagnetico” 11 December 2019, Pisa, Italy.

## **2020**

51. Training on new SIGNA7T platform, 13-16 January 2020, GE Healthcare headquarter, Waukesha, WI, USA.
52. Meeting RIN project, 31 January 2020, Rome, Italy.
53. First Annual Congress of RIN, 8-9 July 2020, virtual edition.
54. XI Annual congress of AIRMM (Associazione Italiana di Risonanza Magnetica in Medicina), virtual edition, 10-11 December 2020.

## **2021**

55. WORKSHOP ARTIFICIAL INTELLIGENCE IN NMR,MRI AND NEUROSCIENCE, virtual edition, 26 March 2021
56. 2021 Annual Scientific Meeting and Exhibition of ISMRM, virtual edition, 15-20 May 2021
57. XII Annual congress of AIRMM (Associazione Italiana di Risonanza Magnetica in Medicina), virtual edition, 16-17 December 2021

## **2022**

58. ISMRM workshop on Ultra High Field MRI, 19-22 March 2022, Lisbon, Portugal
59. PSMR-TBP 2022 9th Conference 28 May – 2 June 2022, Isola d’Elba, Italy
60. QMR Lucca, 2022 Joint Workshop on MR phase, magnetic susceptibility and electrical properties mapping, 16-19 October 2022, Lucca Italy
61. XIII Annual congress of AIRMM (Associazione Italiana di Risonanza Magnetica in Medicina), 23-25 November 2022, Pisa, Italy
62. II Annual congress of RIN, 15-16 December 2022, Bologna, Italy.

## **2023**

63. Convegno “Update sulla disprassia verbale evolutiva: dalle basi teoriche scientifiche sulla pratica clinica.” 13-14 January 2023, Pisa, Italy.