

PERSONAL INFORMATION

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14th June 1981

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EDUCATION

2018: PhD in Biomedical Sciences, University of Pavia, Italy. PhD Supervisor: Claudia A.M. Gandini Wheeler-Kingshott.

2015: Clinical Neuroradiology Fellow, Department of Medical Imaging, University of Toronto, Canada.

Jul 2011-Jul 2014 Post-doctorate Fellowship, UCSF Weill Institute for Neurosciences, Department of Neurology, University of California, San Francisco.

2011 Radiology Residency, Università degli Studi di Pavia, Italy

2006 M.D. School of Medicine, Università degli Studi di Pavia, Italy

2004 Attending, School of Medicine, University of Tampere, Finland

2000 High School Diploma, Liceo Classico Cesare Beccaria, Milano, Italy

CURRENT POSITION(S)

2021 – Assistant professor in Neuroradiology (RTD-B MED/37) Department of Brain and Behavioral Sciences, University of Pavia, Italy

2022 – Radiologist, Neuroradiologist Department, IRCCS C. Mondino Neurological Institute, Pavia, Italy.

PREVIOUS POSITIONS

September 2015 – June 2022 Associate Researcher Scientist, UCSF Weill Institute for Neurosciences, Department of Neurology, San Francisco CA, United States

July 2014 - June 2015 Clinical Neuroradiology Fellow, Department of Medical Imaging, University of Toronto, Canada.

August 2011- June 2014 Postdoctoral Fellow Department of Neurology, University of California San Francisco, USA.

January 2010 - July 2011 Junior Specialist, Department of Radiology and Biomedical Imaging, University of California San Francisco, USA.

Jul 2007 - Jul 2011 Radiology School Resident. Università degli Studi di Pavia, Italy.

Jan 2005 - Jul 2007 Medical Student-Clinical Practice Università degli Studi di Pavia, Italy Sept-

Dec 2004 Neuroradiology Internship Department of Neuroradiology TAYS Hospital, University of Tampere, Finland.

FELLOWSHIPS AND AWARDS

2022 POSTER AWARD. MWF of the corpus callosum is a robust measure of remyelination: Results from the ReBUILD trial. ECTRIMS 2022

2014 - 2015 Clinical Neuroradiology Fellow, Department of Medical Imaging, University of Toronto, Canada.

MERIT AWARD SUMMA CUM LAUDE. Experience with q-ball language tracking in brain tumor patients, ISMRM 2014, ISMRM

TEACHING ACTIVITIES

2021 – Current Neuroradiology, Department of Brain and Behavioral Sciences, University of Pavia, Italy

2015 - 2022 Supervisor of post-doctorate and graduate students of the ALBA and Roland Henry's Lab.

2015 - 2022 Supervisor of Radiology Residents as visitor scholar at University of California, San Francisco.

2015 - 2020 Course of Bioengineering, Berkeley Graduate course, School of Medicine, Berkeley University.

2014 - 2015 Clinical Neuroradiology Fellowship and Radiology Residency program, University of Toronto, Canada.

INSTITUTIONAL RESPONSIBILITIES (if applicable)

2021 – Faculty member, Biomedical Sciences, University of Pavia, Italy

REVIEWING ACTIVITIES (if applicable)

2015 – Peer reviewer for the following Scientific journals: AJNR, Neurology, Plos One, J Neuroimaging, Functional Neurology, Multiple Sclerosis, MS and related disorders, Neuroimage Clinical, New England Journal of Medicine, Clinical Neuroradiology, Journal of Neuroimaging.

2020 - 2022 Peer reviewer for grant applications. RAP program, Department of Neurology, UCSF, USA.

2018 – Peer reviewer for grant applications: Italian Ministry of Health (MOH)

2018 Peer reviewer for grant applications: Austrian Science Fund (FWF).

2010 – 2014 Service to Professional Publications: Associate Faculty Member: Neurological Disorders and Cognitive Neurology & Dementia in the Faculty of 1000 post-publication peer review.

MEMBERSHIPS OF SCIENTIFIC SOCIETIES (if applicable)

2014 – Member of International Society for Magnetic Resonance in Medicine (ISMRM), currently member of the following ISMRM study groups Diffusion, Electro-Magnetic Tissue Properties (SWI), High Field Systems & Applications, Quantitative MRI, White Matter.

2012 – Member of Organization for Human Brain Mapping (OHBM)

2009 – Member of the European Society of Neuroradiology (ESNR).

2008 – Member of the Italian Medical Radiology Society (SIRM)

2008 – Member of Italian Neuroradiology Society (AINR).

INVITED PRESENTATIONS

SBM detects early volumetric changes among functionally and/or structurally correlated sensorial and motor regions in MS. ECTRIMS, Amsterdam 2022.

Myelin water fraction of the corpus callosum is a robust measure of remyelination in a double blind-placebo controlled clinical trial. ECTRIMS Amsterdam 2022.

Quantificazione del danno strutturale encefalico. AINR Funzionale meeting, Padova 2022.

Criteri radiologici nei pazienti pediatrici e adulti di sclerosi multipla. SIRM, Rome 2022.

Advanced MRI techniques: DTI and fMRI SIRM 2022 workshop.

Fanconi Anemia Research Fund (FARF) 2021.

Gyrification abnormalities in presymptomatic c9orf72 expansion carriers. International Society for Frontotemporal Dementias Annual meeting 2018.

Abnormal cortical folding and neurite architecture during brain maturation in children with developmental dyslexia. Society for the Neurobiology of Language Annual meeting 2017.

State of the art of MRI in CJD Diagnostics & Therapeutics of Prion Diseases. Co-Chairs of the Diagnostics & Therapeutics of Prion Diseases Annual World Congress of SBMT 2017.

Predicting visual function clinical outcome in MS: a MRI and OCT metrics study. ISMRM 2017 Annual Meeting.

Clinical Applications Of Advanced Multi-Compartment Diffusion Models IV Congresso Nazionale Di Neuroradiologia Funzionale (AINR) 2017.

Visualizing Tissue Structure with NODDI. ASNR 2015 Annual Meeting

Experience with q-ball language tracking in brain tumor patients, ISMRM 2014, ISMRM MERIT AWARD SUMMA CUM LAUDE.

Role of MRI in MS diagnosis and treatment management. Biogen Idec preceptorship, UCSF, San Francisco, April 2014.

Differential diagnosis and research update in CJD. ASNR Annual meeting 2012.

Brain involvement in Systemic Lupus Erythematosus, 1° Congress of Functional Neuroradiology, Italian Neuroradiology Society (AINR) Milano (Italy) 2011.

Quantitative cortical and subcortical gray matter diffusion and atrophy in sCJD, 1° Congress of Functional Neuroradiology, Italian Neuroradiology Society (AINR) Milano (Italy) 2011.

Neurocorrelates of intensive Romantic Love Italian Neuroradiology Society (AINR) Bergamo (Italy) 2007.

MAJOR COLLABORATIONS

Francesco San Vito, Clinical application of the novel Multi-Echo Perfusion Sequence (ME PERF), Brain Tumor Imaging Laboratory, University of California Los Angeles USA.

Nico Papinutto and Roland Henry, Spinal cord imaging, Weill Institute for Neurosciences, Department of Neurology, UCSF, USA

Peder E Larson, Optimization of myelin content assessment using ultrashort echo time in a clinically translatable 3t system, Department of Radiology and Biomedical Imaging UCSF USA

Daniel Ontaneda, Central Vein Sign in the early diagnosis of Multiple Sclerosis Pilot Study (CAVS MS), Cleveland Clinic Foundation.

Heiko Neeb, Myelin water dedicated imaging with MD, University of Applied Sciences Koblenz, Germany.

Michael Geschwind, Imaging in Sporadic Creutzfeldt-Jakob Disease. Memory and Aging center, Department of Neurology, UCSF, USA.

Maria Luisa Gorno-Tempini and Maria Luisa Mandelli, Imaging in Dyslexia, Memory and Aging center, Department of Neurology, UCSF, USA.

Ari Green and EPIC group. Imaging in Remyelinating clinical trials. Weill Institute for Neurosciences, Department of Neurology, UCSF, USA

PEER-REVIEWED PUBLICATIONS

<https://www.ncbi.nlm.nih.gov/myncbi/1xiayd7EqqRQI/bibliography/public/>