

Agnese Tamanti

Policlinico "G.B. Rossi" Borgo Roma, Piazzale L.A. Scuro 10, 37134 Verona (Italia)

Date of birth: 05/07/1992

Nationality: Italian

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Current activities

Research Assistant

Department of Neuroscience, Biomedicine and Movement Sciences, Neurology Section, University of Verona, Verona (Italy)

Research activity in advanced MRI techniques applied to Multiple Sclerosis performed at the Neurologia B, Policlinico Borgo Roma, Verona, Italy.

Supervisor prof. Massimiliano Calabrese

Start(2021,03) - end(2022,03)

PhD student of the course in Neuroscience, Psychological and Psychiatric Sciences, and Movement Sciences

University of Verona, Department of Neurological, Biomedical and Movement Sciences, Policlinico G.B Rossi, P.le L.A. Scuro, 10, 37134- Verona-Italy

Supervisor prof. Massimiliano Calabrese

Start(2017,10) - end(2021,04)

EDUCATION

Graduated in Bioengineering
(University of Padova)

Start 2015, 01 –End 2017, 04

Final Grade: 105 (over 110)

Final Degree Project: QSM reconstruction combining Structure Tensor of magnitude images and TGV method

Supervisor: Prof.ssa Bertoldo Alessandra, Prof. Christian Langkammer

First level degree in Biomedical Engineering
(University of Padova)

Start 2011, 09 –End 2014, 11

Final Grade: 102 (over 110)

Final Degree Project: Automatic identification from MRI data of lesions to the hippocampus of Multiple Sclerosis patients.

Supervisor: Prof. Grisan Enrico

High School Diploma in Science and Technology

Liceo Scientifico-Tecnologico A. Serpieri, Rimini (RN), Italy

Start 06, 09 –End 11, 07

Grade: 100 (over 100)

EDUCATIONAL EXPERIENCES

4th international workshop on MRI phase contrast and Quantitative Susceptibility Mapping (Graz, 26-28 Sep. 2016)

Participation to the Erasmus+ program for 1 year

Technical University of Graz, Graz (Austria)

Start 15, 09 –End 16,08

AWARDS "Biomedical Signal Processing and Imaging" prize of the Italian National Bioengineering Group (GNB) for my master thesis titled "QSM reconstruction combining Structure Tensor of magnitude images and TGV method"

ENGLISH B2

Computer skills

Advanced: Matlab

Intermediate: Microsoft Office, Software for processing of MRI images (ANTs, Freesurfer, FSL)

Basic: Python, NumPy, SciPy, Bash

ACCEPTED PUBLICATIONS

M. Castellaro, A. Tamanti*, A. I. Pisani*, F. B. Pizzini, F. Crescenzo and M. Calabrese, *The Use of the Central Vein Sign in the Diagnosis of Multiple Sclerosis: A Systematic Review and Meta-analysis*, Diagnostics 2020, doi: [10.3390/diagnostics10121025](https://doi.org/10.3390/diagnostics10121025)

R. Magliozzi, V. Mazziotti, L. Montibeller, A. I. Pisani, D. Marastoni, A. Tamanti, S. Rossi, and F. Crescenzo and M. Calabrese, *Cerebrospinal Fluid IgM Levels in Association With Inflammatory Pathways in Multiple Sclerosis Patients*, Front Cell Neurosci. 2020; doi: [10.3389/fncel.2020.569827](https://doi.org/10.3389/fncel.2020.569827)

R. Magliozzi, A. Scalfari, A.I. Pisani, S. Ziccardi, D. Marastoni, F.B. Pizzini, A. Bajrami, A. Tamanti, M. Guandalini, S. Bonomi, S. Rossi, V. Mazziotti, M. Castellaro, S. Montemezzi, S. Rasia, R. Capra, M. Pitteri, C. Romualdi, R. Reynolds and M. Calabrese, *The CSF Profile Linked to Cortical Damage Predicts Multiple Sclerosis Activity*. Ann Neurol. 2020 doi:[10.1002/ana.25786](https://doi.org/10.1002/ana.25786)

ACCEPTED PRESENTATIONS

A. Tamanti, K. Bredies, M. Castellaro, S. Ropele, B. Bilgic, C. Langkammer, Structure Tensor enhanced Quantitative Susceptibility Mapping, Poster presentation for the joint meeting ISMRM-ESMRMB, Paris 2018.

A. Tamanti, K. Bredies, M. Castellaro, Alessandra Bertoldo, S. Ropele, B. Bilgic, C. Langkammer, Total Generalized Variation QSM algorithm with Structure Tensor stabilization, Oral presentation for ISMRM 2018 Italian Chapter, Padova 2018.

A. Tamanti, A.I. Pisani, A. De Luca, F.B. Pizzini, M. Castellaro, C. Zuco, D. Marastoni, F. Crescenzo, A. Scalfari, A. Bertoldo, M. Pitteri, R. Magliozzi, M. Calabrese, Evaluation of NODDI indexes in white and gray matter for the characterization of MS clinical features: pathological phenotypes, EDSS and disease duration, Poster presentation for the 34th Congress of ECTRIMS, Berlin 2018.

A. Tamanti, M. Castellaro, F. Pizzini, C. Mainero, J. Jovicich, V. Mazziotti, D. Marastoni, R. Reynolds, S. Monaco, M. Calabrese and R. Magliozzi, Structural and inflammatory components of cortical pathology in multiple sclerosis, Poster for the annual FISM congress, Rome 2018

F. Crescenzo, M. Clarke, A. Tamanti, D. Pareto, F. Pizzini, M. Alberich, M. Calabrese and A. Rovira, Susceptibility Weighted Imaging in Relapsing-Remitting Multiple Sclerosis: an exploratory study comparing the detection of iron rims using two different 3T MRI pulse sequences, Poster for the 35th Congress of the ECTRIMS 2019

S. Bonomi, E. Miles, R. Magliozzi, A. Tamanti, M. Calabrese, R. Nicholas, Relationship of brain predicted age change disability accumulation in multiple sclerosis, Poster for the 35th Congress of the ECTRIMS 2019

M. Calabrese, A. Brillo, F. Crescenzo, A. Tamanti, F. B. Pizzini, A. Pisani, M. Pitteri, D. Marastoni, R. Magliozzi, New double inversion recovery MRI sequence identified Dark Rim lesions and enhanced the prognostic accuracy in Multiple Sclerosis. A 15 years longitudinal study, Poster for the 35th Congress of the ECTRIMS 2019

I authorize the University of Verona to publish my curriculum vitae on the University's website, in the form I have drafted, in accordance with the art. 15 of the Italian Legislative Decree n. 33/2013