

## **Federica Agosta**

Federica Agosta was born in Milano on 01/04/1978, took her Graduation in Medicine in 2003, Post-Degree Graduation in Neurology in 2008, and PhD in Experimental Neurology in 2012.

She is Associate Professor of Neurology at Vita-Salute San Raffaele University and Group Leader of the Neuroimaging of Neurodegenerative Diseases Unit, Division of Neuroscience, Ospedale San Raffaele (OSR), Milano, where she conducts clinical activity and research in patients with neurodegenerative diseases.

She has a broad background in clinical neurology and neuroimaging, with specific training and expertise in MRI and neurodegenerative diseases. In the period 2002-2007, as junior research fellow at the Neuroimaging Research Unit, OSR, she collaborated in many research projects on the use of quantitative MR techniques in the study of normal aging, multiple sclerosis, amyotrophic lateral sclerosis (ALS), and Parkinson's disease. During those years, she improved her skills on acquisition and post-processing techniques applied to functional MRI, diffusion tensor MRI and morphometry. This knowledge was instrumental in the success of her visiting fellowship at the Memory and Aging Center, UCSF in 2007-2008, during which she expanded her understanding of Alzheimer's disease, frontotemporal dementia, and primary progressive aphasia. During her PhD at Vita-Salute San Raffaele University (2009-2012), she dealt with several aspects of pathophysiology of neurodegenerative diseases using MR techniques, with particular interest in young onset dementia and ALS.

Dr. Agosta is participating actively to the Neuroimaging Subcommittee of the Italian Neurological Society (SIN) since 2008. In addition, she has been member of the Steering Committee of the Italian Society for the Study of Dementia (SINdem) from 2016 to 2018; then, she held the position of Secretary of the society from 2018 to 2020. In **SINdem**, she is now **Elected Treasurer** and the coordinator of the Neuroimaging Study Group.

Federica Agosta is also **Chair** of the **Neuroimaging Society in ALS (NISALS)** and of the **Neuroimaging Panel of the European Academy of Neurology**.

Her research has led to the publication of over 240 Pubmed-referenced papers (H Index 59, Scopus). Since 2016, Federica Agosta is **Associate Editor** of the *NeuroImage: Clinical* journal.

In 2010, Dr. Agosta has been selected as young researcher participant for the 60<sup>th</sup> Interdisciplinary Meeting of Nobel Laureates for her outstanding contribution to the application of MRI techniques to the study of neurological diseases. In 2016, she has been awarded an ERC Starting Grant.

**Curriculum Vitae****PERSONAL INFORMATION**

Name: Federica Agosta

Date of birth: 01/04/1978

Nationality: Italian

Researcher unique identifiers: <http://scholar.google.it/citations?user=RxTxruIAAAAJ&hl=it>  
<http://orcid.org/0000-0003-3121-4979>URL for web site: <https://www.univr.it/docenti/a/agosta-federica>**• EDUCATION**

- 2012 PhD, Experimental Neurology, International PhD Course in Molecular Medicine, Vita-Salute San Raffaele University, Milan, Italy. Name of PhD Supervisor: Prof. Massimo Filippi
- 2008 Residency in Neurology, Faculty of Medicine and Surgery, Department of Neurology, Vita-Salute San Raffaele University, Milan, Italy
- 2003 MD, Faculty of Medicine and Surgery, Vita-Salute San Raffaele University, Milan, Italy

**• CURRENT POSITION**

- 2020-present Associate Professor of Neurology, Vita-Salute San Raffaele University, Milan, Italy
- 2017-present Group Leader, Neuroimaging of Neurodegenerative Diseases Unit, Institute of Experimental Neurology, Division of Neuroscience, Ospedale San Raffaele (OSR), Milan, Italy

**• PREVIOUS POSITIONS**

- 2017-2020 Assistant Professor of Neurology (RTD-b), Vita-Salute San Raffaele University, Milan, Italy
- 2013-2016 Project Leader, Neuroimaging Research Unit, Institute of Experimental Neurology, Division of Neuroscience, OSR, Milan, Italy
- 2012-2013 Post-Doctoral Fellow, Neuroimaging Research Unit, Institute of Experimental Neurology, Division of Neuroscience, OSR, Milan, Italy
- 2009-2012 PhD Student, Neuroimaging Research Unit, University Vita-Salute San Raffaele
- 2005-2008 Research Fellow, MRI Unit, Centro "S. Maria Nascente" IRCCS Fondazione Don Gnocchi, Milan, Italy
- 2003-2008 Resident in Neurology, Department of Neurology, OSR, Vita-Salute San Raffaele University, Milan, Italy
- 2002-2008 Research Fellow, Neuroimaging Research Unit, OSR, Milan, Italy
- 2000 Fellow, Laboratory of Clinical Molecular Biology, OSR, Milan, Italy

**• FELLOWSHIPS**

- 2007-2008 Visiting Research Fellow, Memory and Aging Center, Department of Neurology, University of California San Francisco, San Francisco, CA, USA

**• PUBLICATIONS** (see <http://scholar.google.it/citations?user=RxTxruIAAAAJ&hl=it>)

Total number of Publications: 244

H index: 59 (Scopus), 67 (Google Scholar)

**• AWARDS**

- 2020 Member Club "Top Italian Women Scientists"
- 2019 European Grand Prix for Young Researcher, Foundation for Research on Alzheimer
- 2015 Best Poster Presentation, First ALS Symposium, AriSLA
- 2015 Best scientific publication, Italian Society of Neurology
- 2013 Best scientific presentation at the LIMPE/DISMOV-SIN Congress
- 2013 Junior Faculty Awards at the 11<sup>th</sup> International Conference on Alzheimer's and Parkinson's
- 2012 Investigator Award 2012 "Neuroimaging & sonology" at the 16<sup>th</sup> Congress of the European Federation of Neurological Societies
- 2011 Investigator Awards 2011 "Neuroimaging & sonology" and "Dementia & cognitive neurology" at the 15<sup>th</sup> Congress of the European Federation of Neurological Societies
- 2010 Best Poster Presentation Award at the XLI Congress of the Italian Neurological Society

- 2010 Investigator Award 2010 “Neuroimaging & sonology” at the 14<sup>th</sup> Congress of the European Federation of Neurological Societies
- 2010 Human Brain Mapping Trainee Abstract Travel Award
- 2010 I was selected as young researcher participant for the **60<sup>th</sup> Interdisciplinary Meeting of Nobel Laureates** from June 27 to July 2, 2010, at Lindau (Germany)
- 2007 First prize European Charcot Foundation, Young Investigators Awards For Multiple Sclerosis Research

#### • MEMBERSHIPS OF / ROLES IN SCIENTIFIC SOCIETIES

- 2020-present **Elected Treasurer**, Italian Society for the Study of Dementia (SINdem)
- 2020-present **Elected Chair** European Academy of Neurology (EAN) Neuroimaging Subcommittee
- 2020-present Chair Task Neuroimaging, Istituto Virtuale Parkinson, RIN (Rete IRCCS delle Neuroscienze e della Neuroriabilitazione)
- 2019-present **Elected Chair** Steering Committee Neuroimaging Society in ALS (NiSALS)
- 2019-present OSR Representative Task Neuroimaging, Istituto Virtuale Demenze, RIN (Rete IRCCS delle Neuroscienze e della Neuroriabilitazione)
- 2019-present Coordinator Neuroimaging in Dementia Group, Italian Society for the Study of Dementia (SINdem)
- 2018-present Member Scientific Committee ITALPLANED (Italian Platform for Neurodegenerative Diseases)
- 2017-2020 **Elected Secretary**, Italian Society for the Study of Dementia (SINdem)
- 2017-2019 Elected Member Steering Committee Neuroimaging Society in ALS (NiSALS)
- 2016-2017 Elected Member Steering Committee Italian Society for the Study of Dementia (SINdem)
- 2015-present Member, Tauopathy Genetics Consortium
- 2015-present Member, Italian Society of Neurology
- 2014-present Member, European Academy of Neurology (EAN), & EAN Neuroimaging Subcommittee (2016-2020, Elected Member of the Management group)
- 2014-present Member, Italian Frontotemporal Dementia Network (FTD Group-SINdem)
- 2012-present Associate Faculty Member, F1000 Prime - Neurological disorders
- 2012-present Member, Italian Neurology Society for the Study of Dementia (SINdem)
- 2011 Member, EFNS Task Force Neuroimaging of dementia
- 2011-present Member, The European Diffusion Tensor imaging study in dementia (EDSD) group
- 2010-present Member, Neuroimaging Society in ALS (NiSALS)
- 2009 Member, EFNS Task Force Neuroimaging of motor neuron disease
- 2008-2014 Member, EFNS Panel of Neuroimaging and Sonology
- 2008-2014 Member, ENS Neuroimaging Subcommittee
- 2008-present Member, Neuroimaging Study Group of the Italian Society of Neurology
- 2003-2009 Member, MAGNIMS (European Network for Magnetic Resonance in Multiple Sclerosis)

#### • EDITORIAL BOARDS OF SCIENTIFIC JOURNALS

- 2020-present Editorial Board, Neurology
- 2019-present Associate Editor, Frontiers in Aging Neuroscience
- 2016-present **Associate Editor, NeuroImage: Clinical**
- 2016-present Associate Editor, Editorial Board of Applied Neuroimaging, Frontiers in Neurology
- 2015-2020 Editorial Board, Journal of Neuroimaging
- 2014-present Member International Peer Review Panel, ALS Canada/Brain Canada
- 2014 Reviewer, eBrain (e-learning resource by the Joint Neurosciences Council, EFNS and ENS), Dementia & Neuroradiology sections
- 2012-present Editorial Board, Journal of Neurology
- 2012-present Editorial Board, International Journal of Clinical Neuroscience and Mental Health
- 2012-2015 Guest Associate Editor, Frontiers in Dementia

#### • PANELIST / REVIEWER FOR FUNDING AGENCIES

- 2019-2020 **Reviewer and Member of the Panel, LS5 Neuroscience, ERC StG Grants**
- 2019-2020 Reviewer Swiss National Science Foundation
- 2018 Reviewer Polish National Science Centre (NCN)
- 2018 Reviewer Alzheimer’s Society UK

2018	Reviewer Alzheimer's Research UK
2015-2017	Reviewer, Deutsche Forschungsgemeinschaft German Research Foundation
2014-2016	Member International Peer Review Panel, ALS Canada/Brain Canada
2014	Reviewer, eBrain (e-learning resource by the Joint Neurosciences Council, EFNS and ENS), Dementia & Neuroradiology sections
2011	Reviewer, The Health Research Board (HRB), Ireland
2009-2014	Reviewer, UK MS Society

#### • MANUSCRIPT REVIEWING

Reviewer for: **Alzheimer's & Dementia**; Alzheimer Disease & Associated Disorders; American Journal of Neuroradiology; Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration; **Annals of Neurology**; Behavioural Neurology; BioMed Research International; **BMC Medicine**; **Brain**; Brain and Language; Brain Imaging and Behavior; Clinical Neurology and Neurosurgery; Communications Biology; Cortex; Dementia and Geriatric Cognitive Disorders; European Journal of Neurology; Experimental Gerontology; Expert Opinion On Medical Diagnostics; Frontiers in Dementia; Frontiers in Aging Neuroscience; Human Brain Mapping; **JAMA Neurology**; Journal of Alzheimer's Disease; Journal of Magnetic Resonance Imaging; Journal of Neuroimaging; Journal of Neurology; **Journal of Neurology, Neurosurgery, and Psychiatry**; **Movement Disorders**; Multiple Sclerosis; Neurobiology of Aging; Neurocase; NeuroImage; NeuroImage: Clinical; Neurological Sciences; **Neurology**; Neurorehabilitation and Neural Repair; Neuroscience; Neuroscience & Biobehavioral Reviews; Parkinson's Disease; Parkinsonism & Related Disorders; PLoS ONE; Scientific Reports; Sleep Medicine; Stem Cell Research & Therapy.

#### • TEACHING / FACULTY ACTIVITIES

2020-present	Associate Professor of Neurology, Vita-Salute San Raffaele University, Milan, Italy
2020-present	Chair Commissione Paritetica Docenti Studenti, Bachelor's Degree in Nursing, Vita-Salute San Raffaele University, Milan
2020-present	Erasmus+ Departmental Coordinator, International MD Program, Vita-Salute San Raffaele University, Milan
2020	PhD Thesis Examiner, PhD program in Neuroscience, Curriculum in Clinical Neuroscience, Università degli Studi Milano-Bicocca
2019-present	Erasmus+ Departmental Coordinator, Bachelor's Degree in Physiotherapy & Master of Sciences in Health Professions of Rehabilitation Sciences, Vita-Salute San Raffaele University, Milan
2019	Member Commissione per la digitalizzazione in medicina, Vita-Salute San Raffaele University, Milan
2019	PhD Thesis Examiner, Department of Psychology, The University of Sydney, Australia
2019	PhD Thesis Examiner, PhD Course in Neuroscience and Imaging, Università di Chieti-Pescara
2019	Project Examiner, Bando di Ateneo Joint Projects, Università di Verona
2018-present	PhD Teaching Board, PhD program in Cognitive Neuroscience, Vita-Salute San Raffaele University, Milan
2018-2019	PhD Thesis Examiner, Dottorato di Ricerca in Scienze Biomediche e Medicina Traslazionale, Curriculum Neuroscienze, Università degli Studi di Brescia
2018	PhD Thesis Examiner, Dottorato di Ricerca in Scienze Cliniche e Traslazionali, Università di Pisa
2017-2020	Assistant Professor of Neurology (RTD-b), Vita-Salute San Raffaele University, Milan
2017-present	Visiting Professor, University of Belgrade, Serbia
2017-present	Member, Interfaculty Centre for Gender Studies, Vita-Salute San Raffaele University, Milan
2017	Qualification as Associate Professor of Scienze delle professioni sanitarie e delle tecnologie mediche applicate (MED/50)
2008-2017	Non-Tenured Professor - Neurology, Bachelor's Degree in Physiotherapy, Vita-Salute San Raffaele University, Milan
2011-2017	Non-Tenured Professor - Neurology, Bachelor's Degree in Nursing, Vita-Salute San Raffaele University, Milan
2012-2017	Non-Tenured Professor - Neurology, Master Degree School of Medicine and Surgery, Vita-Salute San Raffaele University, Milan

22/09/2014 Qualification as Associate Professor of Neurology (MED/26)  
 2013-present Director of Studies, Neuroscience and Experimental Neurology Line, PhD Course Molecular Medicine

• **ON-GOING/PREVIOUS FUNDING (Principal Investigator)**

2017-2022 European Research Council (ERC Starting Grant 2016). “NeuroTRACK - Tracking and predicting neurodegeneration spreading across the brain connectome”.  
 2014-2017 Italian Ministry of Health, Bando Progetti di Ricerca Giovani Ricercatori. “Multimodal magnetic resonance imaging diagnosis of frontotemporal lobar degeneration (FTLD): using supervised Machine Learning Techniques to classify individual FTLD and Alzheimer's disease patients”.  
 2012-2016 Italian Ministry of Health, Bando Progetti di Ricerca Giovani Ricercatori. “The topological organization of anatomical and functional cortical brain networks in patients with the behavioral variant of frontotemporal dementia and primary progressive aphasia”.  
 2013 AriSLA, Pilot Grant MacLearnALS “The utility of machine learning in the identification of ALS and other motor neuron diseases”. Period: 2014-2015.  
 2011-2015 Italian Ministry of Health, Bando Progetti di Ricerca Giovani Ricercatori. “The morphological and microstructural MRI correlates of motor, cognitive and neurobehavioral impairment in Parkinson disease”. Period: 2011-2015.

• **ORGANISATION OF SCIENTIFIC MEETINGS**

2021 Chair, 11<sup>th</sup> Annual NiSALS “virtual” symposium. Milan, Italy  
 2020 Course director, Scientific Session “Neuroimaging challenges: a case-based workshop”. XV Congress of the Italian Society for the Study of Dementia (SINdem). Firenze, Italy  
 2019-2020 Organising Committee, 2020 Congress of the Italian Neurological Society (SIN)  
 2019-2020 Organising Committee, 2019 & 2020 Congresses of the Italian Society for the Study of Dementia (SINdem)  
 2019 Scientific Committee, “MR Techniques in Neurodegenerative Diseases. 3<sup>rd</sup> Course - The clinical, pathological and imaging continuum of major CNS proteinopathies”. Milan, Italy  
 2019 Site Selection Committee for the 2022 International Conference for the International Society of Frontotemporal Dementias (ICFTD2022 site selection committee)  
 2018 Course director, Teaching Course “Neuroimaging and early detection of neurological diseases – Level 2”, 4<sup>th</sup> Congress of the European Academy of Neurology (EAN). Lisbon, Portugal.  
 2018-present Programme committee, ENCALS (European Network for the Cure of ALS)  
 2016 Scientific Committee, ENCALS (European Network for the Cure of ALS) 2016, Milan, Italy  
 2015-present Scientific Committee, Winter Seminars on Dementia, Italian Neurology Society for the Study of Dementia, Brixen, Italy  
 2015 Scientific Committee, “MR Techniques in Neurodegenerative Diseases. 2<sup>nd</sup> Course - The clinical, pathological and imaging continuum of major CNS proteinopathies”. Milan, Italy  
 2015 Scientific Committee, Meeting of the Italian Chapter of the ISMRM, Verona, Italy  
 2015 Organising Committee, Ospedale San Raffaele Retreat 2015, Stresa  
 2013 Scientific Committee, “MR Techniques in Neurodegenerative Diseases. 1<sup>st</sup> Course - Alzheimer's disease and frontotemporal lobar degeneration spectrum”. Milan, Italy  
 2013 Organizing Committee, 4<sup>th</sup> Annual NiSALS Symposium. Milan, Italy

• **SCIENCE OUTREACH ACTIVITIES (school, funding agencies, newspapers/mass media/web etc.)**

2019 Sesta edizione di “Giovani della Pace”, Auditorium della Guardia di Finanza, Bergamo (11/05/2019)  
 2018 Lunch with the expert “Setting up a lab: experiences from an ERC awardee”. San Raffaele Scientific Retreat, Baveno, Italy (17/03/2018)  
 2017-present Member Scientific Board, Family Health <http://magazine.familyhealth.it/>  
 2016-2017 DA GRANDE ANCH'IO project, Associazione Mercurio - Ospedale San Raffaele  
 2016 “Segnali dal cervello” MEETMeTonight 2016 & AriSLA - Fondazione Italiana di ricerca per la SLA (30/09/2016)