

**ECTRIMS-MAGNIMS MAGNETIC RESONANCE IMAGING
IN MULTIPLE SCLEROSIS FELLOWS
2010-2026**

2026 Awardees

Fellow: Lonneke Bos, PhD
Research Topic: Brain Age Related Multiple Sclerosis Severity Score (BARMSS): Improved prediction of clinical outcomes using MRI
Institution: Neuroradiology Department at Karolinska Institutet | Stockholm, Sweden.
Mentor: Prof Tobias Granberg
Duration: 1 year

Fellow: Mar Barrantes-Cepas, PhD
Research Topic: LET'S RECONNECT MS! Lesion-Driven Network Disconnection and Remyelination in Multiple Sclerosis
Institution: University Hospital Basel, Biomedical Engineering of the University Basel Basel, Switzerland
Mentor: Prof Cristina Granziera
Duration: 1 year

2025 Awardees

Fellow: Alessandro Cruciani, PhD
Research Topic: Assessing the clinical relevance of spinal cord atrophy rates in MS using an automatic registration-based method: a multi-center MAGNIMS project
Institution: University College London (UCL), Department of Neuroinflammation London | United Kingdom
Mentor: Prof Olga Ciccarelli
Duration: 1 year

Fellow: Katrin Giglhuber, PhD
Research Topic: Phenotyping single-subject cortical similarity networks in multiple sclerosis, neuromyelitis optica spectrum disorder and myelin oligodendrocyte glycoprotein antibody disease
Institution: University College London (UCL), Queen Square Institute of Neurology, Queen Square Multiple Sclerosis Centre | London, United Kingdom
Mentor: Prof Ahmed Toosy
Duration: 1 year

2024 Awardees

Fellow: Mads Madsen, PhD
Research Topic: Network lesion mapping of fatigue in multiple sclerosis
Institution: MS Centre Amsterdam, Amsterdam UMC | Amsterdam, the Netherlands
Mentor: Prof Frederik Barkhof & Dr Menno Schoonheim
Duration: 1 year

Fellow: Neus Mongay-Ochoa, PhD
Research Topic: Exploring the grey-to-white matter borders in multiple sclerosis: A comprehensive analysis through neuroimaging and histopathology
Institution: University medical centre of the Johannes Gutenberg University Mainz | Mainz, Germany
Mentor: Sergiu Groppa and Gabriel Gonzalez-Escamilla
Duration: 1 year

2023 Awardees

Fellow: Alessia Bianchi, PhD
Research Topic: Identifying multiple sclerosis phenotypes and predicting disability with MRI using machine learning
Institution: Department of Medicine, Surgery and Neurosciences, University of Siena, Siena, Italy
Mentor: Prof Nicola De Stefano
Duration: 2 years

Fellow: Riccardo Nistri, PhD
Research Topic: Investigating the relationships between paramagnetic rim lesions, clinical and MRI measures of disability at different stages of MS: a multi-centre MAGNIMS study
Institution: UCL Institute of Neurology, Queen Square MS Centre | London, United Kingdom
Mentor: Prof. Olga Ciccarelli and Dr. Floriana De Angelis
Duration: 1 year

2022 Awardees

Fellow:	Elisa Colato, PhD
Research Topic:	<i>Identifying cross-sectional and longitudinal cognitive and brain damage phenotypes in multiple sclerosis using machine learning and MRI techniques</i>
Institution:	MS Centre Amsterdam, Amsterdam UMC Amsterdam, the Netherlands
Mentor:	Dr Menno Schoonheim
Duration:	1 year
Fellow:	Antonia Wenger, PhD
Research Topic:	<i>Determinants of 'age of onset' and cognitive impairment in MS: a multi-centric combined analysis of network alterations and cortical damage</i>
Institution:	IRCCS San Raffaele Scientific Institute Milan, Italy
Mentor:	Prof Mara Rocca, MD
Duration:	1 year

2021 Awardees

Fellow:	Gerard Martí-Juan, PhD
Research Topic:	<i>The Virtual Brain: generative wholebrain models in Multiple Sclerosis</i>
Institution:	Vall d'Hebron University Hospital, Neuroradiology Barcelona, Spain
Mentor:	Deborah Pareto, Jaume Sastre-Garriga, Àlex Rovira.
Duration:	1 year
Fellow:	Guiseppe Pontillo, Dr
Research Topic:	<i>Towards a unified brain network model in multiple sclerosis: a multilayer coreness analysis of structural, diffusion, and resting- state functional MRI data</i>
Institution:	UCL Queen Square Institute of Neurology, Faculty of Brain Sciences, University College London London, United Kingdom
Mentor:	Prof Frederick Barkhof
Duration:	1 year

2020 Awardees

Fellow:	Monica Margoni, MD
Research Topic:	<i>Exploring in-vivo brain myelin content in patients with multiple sclerosis through the T1/T2 ratio mapping: a multicenter study</i>
Fellowship Institution:	Neuroimaging Research Unit, Division of Neuroscience, IRCCS San Raffaele Scientific Institute, Milan, Italy
Mentor:	Prof Massimo Filippi
Fellowship Duration:	1 year

Fellow: Antonio Carotenuto, Dr
Research Topic: Network centrality in multiple sclerosis
Fellowship Institution: Neuroimaging of CNS White Matter Unit, Division of Neuroscience, IRCCS San Raffaele Scientific Institute, Milan, Italy
Mentor: Mara Rocca, MD
Fellowship Duration: 1 year

2019 Awardees

Fellow: Lukas Haider, PhD
Research Topic: “Dirty” Virchow Robin Spaces in Controls and MS-Histological Clinical Validation of a Novel MRI Feature Fellowship
Institution: UCL Institute of Neurology, London
Mentor: Prof Barkhof, Dr Chard and Prof Ciccarelli
Fellowship Duration: 1 year

Fellow: Rosa Cortese, PhD
Research Topic: Towards a better understanding of MOG-Antibody-associated disease and new MAGNIMS MRI criteria
Fellowship Institution: University of Siena, Italy
Mentor: Prof Ciccarelli and Prof De Stefano
Fellowship Duration: 1 year

2018 Awardees

Fellow: Alberto Calvi, PhD
Research Topic: Slowly Evolving Lesions (SELs) in multiple sclerosis
Fellowship Institution: Queen Square Multiple Sclerosis Centre, University College London, United Kingdom
Mentor: Prof Barkhof and Prof Ciccarelli
Fellowship Duration: 1 year

Fellow: Margareta Clarke, PhD
Research Topic: Iron rims around multiple sclerosis lesions. A new MRI marker of disease activity and progression?
Fellowship Institution: Hospital Universitari Vall d'Hebron | Barcelona, Spain
Mentor: Prof Rovira
Fellowship Duration: 1 year

2017 Awardees

Fellow: Soheil Damangir, PhD
Research Topic: Optimizing crowd-sourced solutions toward generating large reference datasets for WM lesion segmentation in MS
Fellowship Institution: VU University Medical Center | Amsterdam, Netherlands
with collaboration at the Vall d'Hebron University Hospital | Barcelona, Spain
Mentor: Dr Vrenken and Prof Barkhof
Fellowship Duration: 1 year

Fellow: Marcello Moccia, PhD
Research Topic: Improving longitudinal spinal cord atrophy measurements for clinical trials in multiple sclerosis by using the Generalised Boundary Shift Integral (GBSI)
Fellowship Institution: UCL Institute of Neurology, National Hospital for Neurology & Neurosurgery, Queen Square | London, United Kingdom
Mentor: Prof Ciccarelli and Prof Barkhof
Fellowship Duration: 1 year

2016 Awardees

Fellow: Alessandro d'Ambrosio, MD
Research Topic: Relating functional connectivity to cognition in multiple sclerosis: from stationary to time-varying analysis of strategic large-scale networks
Fellowship Institution: Ospedale San Raffaele, Neuroimaging Research Unit, Milan, Italy
Mentor: Prof Massimo Filippi
Fellowship Duration: 1 year

Fellow: Sara Collorone, MD
Research Topic: To investigate how longitudinal changes in Structural Cortical Networks relate to disease evolution in Clinically Isolated Syndrome using 3D T1-weighted high-resolution scans from the MAGNIMS CIS cohort
Fellowship Institution: UCL Institute of Neurology, National Hospital for Neurology & Neurosurgery, Queen Square | London, United Kingdom
Mentor: Dr Ahmed Toosy and Prof Frederik Barkhof
Fellowship Duration: 1 year

2015 Awardees

Fellow:	Mohammad Aboulwafa, MD
Research Topic:	<i>Whole-cord and voxel-based assessment of cervical cord atrophy in MS patients with different clinical phenotypes: a multi-centre assessment</i>
Fellowship Institution:	Neuroimaging Research Unit, INSPE, Division of Neuroscience, San Raffaele Scientific Institute and Vita-Salute San Raffaele University Milan, Italy
Mentor:	Prof Massimo Filippi
Fellowship Duration:	1 year
Fellow:	Arman Eshaghi, MD, PhD
Research Topic:	<i>To explore imaging phenotypes of patients with multiple sclerosis using 4-dimensional voxel-based morphometry</i>
Fellowship Institution:	UCL Institute of Neurology, National Hospital for Neurology & Neurosurgery, Queen Square London, United Kingdom
Mentor:	Prof Olga Ciccarelli
Fellowship Duration:	1 year

2014 Awardees

Fellow:	Mariano Cabezas Grebol, PhD
Research Topic:	<i>Automatic detection and analysis of new lesions in serial MRI of MS patients</i>
Fellowship Institution:	Fundacio Hospital Universitari Vall d'Hebron, Institut de Recerca, Barcelona, Spain
Mentor:	Dr. Alex Rovira
Fellowship Duration:	1 year
Fellow:	Yaou Liu, MD, PhD
Research Topic:	<i>Validation of deep gray matter atrophy measurement in Multiple Sclerosis for multi-center studies: a MUSCAT project</i>
Fellowship Institution:	MS Center Amsterdam, VU University Medical Center Amsterdam, Netherlands
Mentor:	Prof Frederic Barkhof
Fellowship Duration:	1 year

2013 Awardees

Fellow:	Alvino Bisecco, MD
Research Topic:	<i>Disconnection and regional WM change WRT cognition in setting of Multicentre MAGNIMS study</i>
Fellowship Institution:	Neuroimaging Research Unit, INSPE, Division of Neuroscience, San Raffaele Scientific Institute and Vita-Salute San Raffaele University Milan, Italy
Mentor:	Prof Massimo Filippi
Fellowship Duration:	1 year

ECTRIMS – MAGNIMS Fellowship Programme

2012 Awardees

Fellow:	Özgür Yaldizli, MD
Research Topic:	<i>The dynamics of cortical grey matter lesion and non-lesional abnormalities and its correlation with clinical and cognitive measures in MS: a serial magnetic resonance imaging study</i>
Fellowship Institution:	University College of London London, United Kingdom
Mentor:	Prof David Miller
Fellowship Duration:	1 year
Fellow:	Georgina Arrambide, MD
Research Topic:	<i>Contribution of 3T MRI and spinal cord MRI to the diagnosis of adult and paediatric patients with clinically isolated syndromes suggestive of Multiple Sclerosis</i>
Fellowship Institution:	Multiple Sclerosis Centre of Catalonia, Hospital Vall d'Hebron, Barcelona, Spain
Mentor:	Dr Alex Rovira / Prof Xavier Montalban
Fellowship Duration:	1 year

2011 Awardees

Fellow:	Marco Battaglini, PhD
Research Topic:	<i>Development of novel multimodal segmentation techniques to improve quantitative assessment of MR images in MS</i>
Fellowship Institution:	Nuffield Department of Clinical Neurosciences, University of Oxford Oxford, United Kingdom
Mentor:	Prof. Jacqueline Palace
Fellowship Duration:	1 year
Fellow:	Dušan Damjanović, MD
Research Topic:	<i>Common Dataset project</i>
Fellowship Institution:	Neuroimaging Research Unit, INSPE, Division of Neuroscience, San Raffaele Scientific Institute and Vita-Salute San Raffaele University Milan, Italy
Mentor:	Prof Massimo Filippi
Fellowship Duration:	1 year

2010 Awardees

Fellow: **Benedetta Bodini**, MD, PhD
Research Topic: *Is grey matter damage secondary to white matter abnormalities in different MS subtypes?*
Fellowship Institution: Department of Medicine, Surgery and Neuroscience, University of Siena
Siena, Italy
Mentor: Prof Nicola de Stefano
Fellowship Duration: 1 year

Fellow: **Veronica Popescu**, MD
Research Topic: *Investigating the long-term clinical predictability of atrophy.
Further refinement of post-processing procedures obviating the need for
manual correction and application to 3D data-sets*
Fellowship Institution: MS Center Amsterdam, VU University Medical Center,
Amsterdam, Netherlands
Mentor: Prof Frederik Barkhof
Fellowship Duration: 1 year