



EUROPEAN COMMITTEE FOR TREATMENT
AND RESEARCH IN MULTIPLE SCLEROSIS

RESEARCH FELLOWSHIPS 2007-2023

2023 Awardees

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| Fellow: | Federico Ansaloni , PhD |
| Research Topic: | <i>Exploring the role of endogenous retroviruses and viral infection of oligodendroglia in multiple sclerosis at single-cell resolution</i> |
| Institution: | Karolinska Institutet Stockholm, Sweden |
| Mentor: | Dr. Gonalo Castelo-Branco |
| Duration: | 2 years |
| Fellow: | Giuseppe Pontillo , PhD |
| Research Topic: | <i>Towards individualized clinical predictions in Multiple Sclerosis: a data-driven predictome linking neuroimaging to outcomes</i> |
| Institution: | Amsterdam UMC, the Netherlands |
| Mentor: | Prof. Frederik Barkhof & Dr. Menno Schoonheim |
| Duration: | 2 years |
| Fellow: | Margareta Clarke , PhD |
| Research Topic: | <i>Predicting chronic activity in multiple sclerosis lesions from baseline MRI</i> |
| Institution: | University of Nottingham (UK) |
| Mentor: | Dr. Nikos Evangelou |
| Duration: | 2 years |
| Fellow: | Rocio Bravo Miana , MD |
| Research Topic: | <i>Central nervous system (CNS)-derived extracellular vesicles: specific circulating biomarkers and a promising window into the CNS of multiple sclerosis patients</i> |
| Institution: | Biodonostia Health Research Institute San Sebastian, Spain |
| Mentor: | Dr. David Otaegui |
| Duration: | 2 year |

2022 Awardees

Fellow: Tom Fuchs, PhD
Research Topic: Redefining Progressive MS
Institution: Amsterdam UMC, the Netherlands
Mentor: Dr. Menno Schoonheim
Duration: 2 years

Fellow: Eduardo Fernandez, PhD
Research Topic: *Illuminating axon conduction and cortical circuit functioning during myelin repair*
Institution: INSERM | Paris, France
Mentor: Dr. Maria Cecilia Angulo
Duration: 2 years

Fellow: Alberto Calvi, PhD
Research Topic: *Integration of MRI metrics and biological markers of chronic activity to predict*
Institution: Hospital Clinic Barcelona, Fundació Clínic per a la Recerca Biomèdica, Spain
Mentor: Dr. Sara Llufríu
Duration: 2 years

2021 Awardees

Fellow: Parisa Hariri, PhD
Research Topic: *Predictors of disease progression in Multiple Sclerosis*
Institution: Turku PET Centre, Turku University Hospital and University of Turku, Finland
Mentor: Dr. Laura Airas
Duration: 2 years

Fellow: Sarah Guimbal, PhD
Research Topic: *Discovering novel targets and their mechanisms in an innovative in vitro model of human blood-brain barrier as part of Multiple Sclerosis*
Institution: University of Bern, Switzerland
Mentor: Prof. Britta Engelhardt
Duration: 2 years

Fellow: Vasiliki Pantazou, PhD
Research Topic: *Modulation of microglial interaction with the node of Ranvier by adaptive immune cues*
Institution: Hopitaux Universitaires Pitié Salpêtrière | Paris, France
Mentor: Dr. Anne Desmazières
Duration: 2 years

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Fellow: Carmen Picon, MD
Research Topic: Unveiling inflammatory mechanisms underpinning selective neuronal vulnerability in Multiple Sclerosis
Institution: University of Geneva, Switzerland
Mentor: Dr. Doron Merkle
Duration: 2 year

2020 Awardees

Fellow: Alexandra Nicaise, PhD
Research Topic: Modeling Cellular Senescence in Progressive Multiple Sclerosis with Neural Stem Cells and Animal Disease Models
Institution: Department of Clinical Neurosciences, University of Cambridge, UK
Mentor: Prof. Stefano Pluchino
Duration: 2 years

Fellow: Leslie Kirby, PhD
Research Topic: An investigation into the interplay of inflammatory oligodendrocyte progenitor cells and B-lineage cells in a mouse model of multiple sclerosis
Institution: Karolinska Institutet | Stockholm, Sweden
Mentor: Dr. Gonçalo Castelo-Branco
Duration: 2 years

2018 Awardees

Fellow: Alerie Guzman de la Fuente, PhD
Research Topic: Does remyelination fail due to an immune-mediated depletion of ageing Central Nervous System progenitor cells?
Institution: Queen's Mary University, School of Medicine, Dentistry and Biomedical Sciences - Centre for Experimental Medicine | Belfast, UK
Mentor: Prof. Denise Fitzgerald, MD, PhD
Duration: 2 years

Fellow: Iris Kleerekooper, MD
Research Topic: Minimally invasive testing of mitochondrial function to predict progressive neurodegeneration in acute multiple sclerosis associated optic neuritis
Institution: Queen Square MS Centre, UCL Institute of Neurology & Moorfields Eye Hospital London, UK
Mentor: Dr. Anand Trip & Dr. Axel Petzold
Duration: 2 years

Fellow: Elena Morandi, PhD
Research Topic: Investigation of the impact of Multiple Sclerosis associated genetic variant CD226 Gly307Ser on T cell functions
Institution: INSERM - Université Toulouse III, CHU Purpan, France
Mentor: Abdelhadi Saoudi, PhD
Duration: 2 years

Fellow: Hideaki Nishihara, MD, PhD
Research Topic: Advancing human stem cell derived in vitro models of the human blood-brain barrier to study the migration of human immune cells into the central nervous system
Institution: Theodor Kocher Institute | Bern, Switzerland
Mentor: Prof. Britta Engelhardt
Duration: 2 years

2017 Awardees

Fellow: Gloria Castellazzi, PhD
Research Topic: Developing a clinical decision system based on characterising shared and specific functional features of MS subtypes
Institution: UCL Institute of Neurology, Queen Square MS Centre | London, UK
Mentor: Prof. Claudia Gandini Wheeler-Kingshott
Duration: 2 years

Fellow: Joanna Marczyńska, PhD
Research Topic: Mechanisms suppressing autoimmune responses in the central nervous system
Institution: University of Southern Denmark, Odense
Mentor: Prof. Trevor Owens
Duration: 2 years

Fellow: Kyla McKay, PhD
Research Topic: The causes and consequences of paediatric multiple sclerosis: A population based study
Institution: Karolinska Institutet | Stockholm, Sweden
Mentor: Prof. Jan Hillert
Duration: 2 years

Fellow: Emanuela Oldoni, PhD
Research Topic: Multiple sclerosis heterogeneity: patient-to-patient variation in cerebrospinal fluid biomarkers
Institution: KU Leuven, Department of Neurosciences, Belgium
Mentor: Prof. An Goris
Duration: 2 years

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2016 Awardees

Fellow: **Mansih Malviya**, PhD
Research Topic: *Molecular engineering of Tregs expressing recombinant TCR: study of their therapeutic effects in animal models of MS*
Institution: INSERM, Center of Pathophysiology of Toulouse (CPTP), France
Mentor: Prof. Roland Liblau
Duration: 2 years

Fellow: **Sabah Mozafari**, PhD
Research Topic: *Analysis of cellular behaviour of skin-derived myelin-producing human cells in vitro and in vivo after transplantation in the demyelinated central nervous system*
Institution: INSERM U1127, Sorbonne Université | Paris, France
Mentor: Prof. Anne Baron-Van Evercooren
Duration: 2 years

Fellow: **Bieke Broux**, PhD
Research Topic: *The unexplored role of interleukin-24 in MS*
Institution: Hasselt University, Biomedical Research Institute | Diepenbeek, Belgium
Mentor: Prof. Niels Hellings
Duration: 2 years

2015 Awardees

Fellow: **Carmen Tur**, MD, PhD
Research Topic: *What is the role of brain structural and functional connectivity in clinically isolated syndrome?*
Institution: UCL Institute of Neurology, Queen Square MS Centre | London, UK
Mentor: Prof. Olga Ciccarelli & Prof. Alan Thompson
Duration: 2 years

Fellow: **Ana Luisa Falcao**, PhD
Research Topic: *Epigenetic states underlying oligodendrocyte precursor differentiation in MS*
Institution: Karolinska Institute, Department of Medical Biochemistry and Biophysics
Stockholm, Sweden
Mentor: Dr. Gonçalo Caselo-Branco
Duration: 2 years

2013 Awardees

Fellow: **Armelle Klopstein, PhD**
Research Topic: *Molecular mechanisms and cellular pathways involved in the migration of CD8+ T cell subsets across the BBB in vitro and in vivo*
Institution: Theodor Kocher Institute | Bern, Switzerland
Mentor: Prof. Britta Engelhardt
Duration: 2 years

Fellow: **Fanny Chalmin, PhD**
Research Topic: *Interleukin-27 drives TH17-like cell generation in the absence of signal transducers and activators of transcription (STAT)1*
Institution: University Hospital | Geneva, Switzerland
Mentor: Dr. Caroline Pot
Duration: 1 year

2012 Awardees

Fellow: **Benedetta Bodini, MD, PhD**
Research Topic: *Exploring demyelination and remyelination in MS through a combination of positron emission tomography and advanced magnetic resonance imaging*
Institution: Department of Neuroimaging, King's College London, UK
Mentor: Prof. Federico Turkheimer
Duration: 2 years

Fellow: **Andreia Carvalho, PhD**
Research Topic: *Mitochondrial dynamics in Multiple Sclerosis*
Institution: VU University Medical Center | Amsterdam, the Netherlands
Mentor: Prof. Jan van Horsen
Duration: 2 years

Fellow: **Androniki Voulgari-Kokota, PhD**
Research Topic: *Dissection of the effects of mesenchymal stem cells on glial cells involved in neurogenesis*
Institution: Department of Neurology, University of Genova, Italy
Mentor: Prof. Antonio Uccelli
Duration: 2 years

2011 Awardee

Fellow: Aurélie Ruet, MD, PhD
Research Topic: Relation of grey and white matter damage in MS: comparison between relapsing-remitting secondary and primary progressive patients
Institution: VU University Medical Center | Amsterdam, the Netherlands
Mentor: Dr. Hugo Vrenken
Duration: 2 years

2010 Awardees

Fellow: Anu Kemppinen, PhD, Master of Science
Research Topic: Somatic mutations in Multiple Sclerosis
Institution: Cambridge University, Neurology Unit, Cambridge, UK
Mentor: Prof. Stephen Sawcer
Duration: 2 years

Fellow: Jens Kuhle, MD
Research Topic: Multivariate clinically isolated syndrome risk factor study - towards a Multiple Sclerosis risk calculator
Institution: Center of Neuroscience and Trauma, The Royal London Hospital | London, UK
Mentor: Prof. Gavin Giovannoni
Duration: 2 years

Fellow: Nicolas Molnarfi, PhD
Research Topic: Role of B-cell-derived transforming growth factor (TGF)-beta1 expression in central nervous system (CNS) auto immunity
Institution: University Hospital Geneva, Switzerland
Mentor: Prof. Patrice Lalive
Duration: 2 years

2009 Awardees

Fellow: Oriane Cedile, PhD
Research Topic: Chemokines in regulation of autoimmune T-cell development and response in EAE
Institution: Medical Biotechnology Center, University of Southern Denmark, Odense
Mentor: Prof. Trevor Owens
Duration: 2 years

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Fellow: Clemens Warnke, MD
Research Topic: *Impact of neutralising antibodies against recombinant interferon beta on viral immunosurveillance by inhibition of endogenous interferon*
Institution: Department of Clinical Neuroscience Center for Molecular Medicine
Karolinska Institutet | Stockholm, Sweden
Mentor: Prof. Jan Hillert & Prof. Anna Fogdell-Hahn
Duration: 2 years

2008 Awardees

Fellow: Camilla Reali, PhD
Research Topic: *Mechanisms of demyelination and neurodegeneration in Multiple Sclerosis*
Institution: Department of Cellular and Molecular Neuroscience Division of Neuroscience
Imperial College London, Hammersmith Hospital | London, UK
Mentor: Prof. Richard Reynolds
Duration: 1 year

Fellow: Adi Vaknin-Dembinsky, MD, PhD
Research Topic: *Transplantation of autologous human bone-derived mesenchymal stem cells in patients with MS: clinical, neuroradiological and immunological follow-up*
Institution: MS Center, Department of Neurology, Hadassah Ein-Kerem University Hospital
Jerusalem, Israel
Mentor: Prof. Demitrios Karussis
Duration: 2 years

2007 Awardees

Fellow: Sven Jarius, MD
Research Topic: *Antibodies to aquaporin-4 in neuromyelitis optica (NMO)*
Institution: Division of Neuroimmunology, University of Heidelberg, Germany
Mentor: Prof. Brigitte Wildemann
Duration: 2 years

Fellow: Marcin Mycko, MD, PhD
Research Topic: *Heat shock protein 70 as an endogenous adjuvant modulating development of autoimmune demyelination*
Institution: Department of Neurology, University of Bochum, Germany
Mentor: Prof. Ralf Gold
Duration: 2 years

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