

## Swiss Multiple Sclerosis Society Research Grants 2021/2022

	<b>Applicant</b>	<b>Project Title</b>
1	<b>Bansi, Jens</b> Rehabilitation Centre Valens Department of Neurology	Influence of high-intensity interval compared to standard moderate continuous training on physical fitness, patient-related outcomes and disease specific biomarkers in persons with primary progressive Multiple Sclerosis
2	<b>Buch, Thorsten</b> University of Zurich Institute of Laboratory Animal Sciences	Targeting CARD9-mediated signaling for treatment of Multiple Sclerosis
3	<b>Disanto, Giulio</b> Lugano Civic Hospital Neurocentre of Southern Switzerland	Monitoring of COVID-19 vaccinations in multiple sclerosis patients under different disease-modifying treatments
4	<b>Engelhardt, Britta</b> University of Bern Theodor Kocher Institute	The contribution of intrinsic alterations in blood-brain barrier function to the outbreak of multiple sclerosis
5	<b>Ineichen, Benjamin</b> University Hospital Zurich, Department of Neuroradiology	In-depth characterization of multiple sclerosis lesion signature by artificial-intelligence empowered multiplex imaging and magnetic resonance imaging
6	<b>Lambercy, Olivier</b> ETH Zurich Rehabilitation Engineering Laboratory	Advancing clinical decision making in upper limb neurorehabilitation of persons with multiple sclerosis through computational models
7	<b>Locatelli, Giuseppe</b> University of Bern Theodor Kocher Institute	Oxidative dysfunction in oligodendrocyte mitochondria as early trigger for multiple sclerosis
8	<b>Manjaly, Zina-Mary</b> Schulthess Clinic Zurich Department of Neurology	Mechanisms of Fatigue in Multiple Sclerosis - Investigations with fMRI (FAMRI)

9	<b>Münz, Christian</b> University of Zurich Institute of Experimental Immunology	The HLA-DRB1*1501 restricted cross-talk of CD4+ T cells and B cells in the increased risk for MS after symptomatic Epstein Barr virus (EBV) infection
10	<b>Oechtering, Johanna</b> University Hospital Basel Neurology Clinic and Policlinic	Clinical phenotype, advanced MRI and biomarker profile in patients with early Multiple Sclerosis and intrathecal Immunoglobulin M synthesis
11	<b>Pikor, Natalia</b> Cantonal Hospital of St. Gallen Institute of Immunobiology	Elucidating mechanisms of disease pathogenesis in a coronavirus-induced model of Multiple Sclerosis
12	<b>Pistor, Maximilian</b> Bern University Hospital Department of Neurology	Analysis of sex differences in the efficacy of Sphingosine-1-Phosphate Receptor modulating immunotherapies
13	<b>Pot, Caroline</b> Lausanne University Hospital Service of Neurology	Modulating the gut microbiome to attenuate myelin-specific Th17 lymphocytes and improve the disease course of Experimental Autoimmune Encephalomyelitis and Multiple Sclerosis