Swiss Multiple Sclerosis Society
Research Grants 2021/2022

	Applicant	Project Title
1	**Bansi, Jens** 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	**Buch, Thorsten** University of Zurich Institute of Laboratory Animal Sciences	Targeting CARD9-mediated signaling for treatment of Multiple Sclerosis
3	**Disanto, Giulio** Lugano Civic Hospital Neurocentre of Southern Switzerland	Monitoring of COVID-19 vaccinations in multiple sclerosis patients under different disease-modifying treatments
4	**Engelhardt, Britta** University of Bern Theodor Kocher Institute	The contribution of intrinsic alterations in blood-brain barrier function to the outbreak of multiple sclerosis
5	**Ineichen, Benjamin** 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	**Lambercy, Olivier** ETH Zurich Rehabilitation Engineering Laboratory	Advancing clinical decision making in upper limb neurorehabilitation of persons with multiple sclerosis through computational models
7	**Manjaly, Zina-Mary** Schulthess Clinic Zurich Department of Neurology	Mechanisms of Fatigue in Multiple Sclerosis - Investigations with fMRI (FAMRI)
8	**Münz, Christian** 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

9	**Oechtering, Johanna** 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
10	**Pikor, Natalia** Cantonal Hospital of St. Gallen Institute of Immunobiology	Elucidating mechanisms of disease pathogenesis in a coronavirus-induced model of Multiple Sclerosis
11	**Pistor, Maximilian** Bern University Hospital Department of Neurology	Analysis of sex differences in the efficacy of Sphingosine-1-Phosphate Receptor modulating immunotherapies
12	**Pot, Caroline** 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