

Swiss Multiple Sclerosis Society Research Grants 2017

	Applicant	Title
1	Bieri, Oliver Department of Radiology University Hospital Basel	A new MRI Approach for Rapid Spinal Cord Imaging Using Multi-Slice Averaged Myelon Inversion Recovery Acquisitions
2	Bouri Mohamed Laboratoire de Systems robotiques EPFL Lausanne	AUTONOMYO-MS-1: Evaluation of a powered exoskeleton with 6 degrees of freedom for Multiple Sclerosis patients
3	Du Pasquier, Renaud Service de neurologie CHUV Lausanne	Establishment of a CNS in vitro human model to assess the recognition of putative CNS autoantigens by CD8+ T cells in Multiple Sclerosis patients
4	Gonzenbach, Roman Rudolf Rehabilitation Centre Valens	Impact of in-patient rehabilitation on walking in daily life
5	Jacob, Claire Department of Biology University of Fribourg	Enhance remyelination in young and old adults by modulating chromatin-remodeling enzyme expression and activity
6	Kool, Jan Rehabilitationszentrum Valens	Evaluation of upper limb motor performances using tablet-based tests
7	Lalive, Patrice Department of Clinical Neurosciences University Hospital of Geneva	Phenotypic and functional characterization of cMet-expressing CD4+ T cells in Experimental Autoimmune Encephalomyelitis
8	Lindberg, Raija Departments of Biomedicine and Neurology University Hospital Basel	Functional importance of extracellular vesicles (EVs) in immune regulation of Multiple Sclerosis (MS)
9	Mehling, Mathias Neurology Department University Hospital Basel	Growth and differentiation factor-15 (GDF-15) in multiple sclerosis
10	Merkler, Doron Dept. Of Pathology and Immunology University of Geneva	Analysis of functional and transcriptional landscape of brain-resident memory T cells in a mouse model of multiple sclerosis
11	Monticelli, Silvia Institute for Research in Biomedicine Università della Svizzera Italiana	Transcription factors regulating T lymphocyte pathogenic potential in Multiple Sclerosis
12	Mossu, Adrien Theodor Kocher Institut Bern	Investigation of the cellular and molecular mechanisms mediating the migration of disease relevant human T cells from MS patients across the human brain barriers in vitro
13	Münz, Christian University of Zurich	The role of MS-associated genetic risk factors in shaping Epstein-Barr virus specific immune control and its contribution to MS
14	Pieters, Jan Biozentrum University of Basel	Development and validation of a novel class of drugs for the treatment of autoimmune encephalomyelitis

15	Pravatà, Emanuele Neuroradiology Ospedale regionale di Lugano	High Resolution MRI of the Optic Nerves in Patients with Multiple Sclerosis
16	Reith, Walter Department of Pathology and Immunology University of Geneva	A novel T-cell co-inhibitory pathway conferring protection against CNS autoimmunity
17	Sanderson, Nicholas Department of Biomedicine University of Basel	CSF antibodies against cell surface components as a prognostic feature predicting aggressive disease course of Multiple Sclerosis
18	Schaeren-Wiemers, Nicole Neurobiology Lab University Hospital Basel	New identified gene subgroups in MS NAWM with so far unknown relation to MS disease mechanisms – A deep data mining of a Multiple Sclerosis Gene Expression Database (MuSGED)
19	Schlaeger, Regina Neurology Univeristy Hospital Basel	Brainstem Atrophy in Multiple Sclerosis
20	Schurch, Brigitte Département des neurosciences cliniques CHUV Lausanne	Injections of botulinum toxin A versus anticholinergic drugs as a first line treatment for neurogenic detrusor overactivity in multiple sclerosis patients (SEPTOX)
21	van der Maas, Nico Institut für Physiotherapieforschung Biel	A single-centre, prospective and cross-sectional study to evaluate the reliability and validity of the Modified Manual Muscle Test for persons with MS
22	Vanbellingen, Tim Neurozentrum, Luzerner Kantonsspital	Feasibility of a videogame based virtual reality dexterity training in Multiple Sclerosis: a pilot study
23	Wagner, Franca Department of Interventional and Diagnostic Neuroradiology Inselspital Bern	Fully automatic segmentation of MS lesions and brain volume: Proposal for a diagnostic tool for disease monitoring
24	Zecca, Chiara Neurocenter of Southern Switzerland Lugano	Fingolimod compared to Dy-methyl-fumarate in the treatment of relapsing-remitting Multiple Sclerosis. Pragmatic, multi-centre, randomized trial.

«Quality of Life» Research Grants

	Applicant	Title
1	Biller-Andorno, Nikola Institut für Biomedizinische Ethik und Medizingeschichte Universität Zürich	Talking About Life With Multiple Sclerosis. A Qualitative Study of Patient Experiences
2	Hoepner, Robert Department of Neurology Inselspital Bern	Markers of quality of life in multiple sclerosis: the impact of nonverbal social communication

Total amount granted in 2017 by the Swiss MS-Society: CHF 1,1 Mio.