

Swiss Multiple Sclerosis Society: Supported Research Grants, 1. half 2011

	Applicant	Title
1	Danielle Burger, Ph.D., P.D. Hans Wilsdorf Laboratory, IARG Division of Immunology and Allergy University Hospital 4 rue Gabrielle Perret-Gentil 1211 Genève 14	Cytokine production by monocytes/macrophages in multiple sclerosis inflammatory processes
2	Prof. Tobias Derfuss Department of Neurology and Department of Biomedicine University Hospital Basel Petersgraben 4 4031 Basel	Correlation of Antibodies against native Myelin Oligodendrocyte Glycoprotein with Disease Course and Treatment Responses in Patients with Multiple Sclerosis
3	Prof. Renaud Du Pasquier, M.D. Assistant professor in neurology and Immunology Service de Neurologie CHUV, BH /10 /131 1011 Lausanne	Investigation of the role of Vitamin D and Vitamin A as potential immunomodulators in the pathogenesis of multiple sclerosis
4	Prof. Britta Engelhardt Theodor Kocher Institute (TKI) University of Bern Freiestrasse 1 CH-3012 Bern	In vivo analysis of the multistep-recruitment of T cells and monocytes across the blood-brain barrier: molecular cues beyond $\alpha 4$ -integrins and anatomical routes
5	Prof. Adriano Fontana Institut für Experimentelle Immunologie Universitätsspital Zürich Haldeliweg 4 CH-8044 Zürich	Fatigue in autoimmune diseases: Is the CD40 induced sickness behaviour syndrome mediated by activation of TNF receptor 1 in the liver or the brain?
6	Dr. Meritxell Garcia Alzamora Department of Diagnostic Radiology Institute for Radiology and Nuclear Medicine University Hospital Basel Petersgraben 4 CH-4031 Basel	Advanced MR techniques (Quantitative Magnetization Transfer and Diffusion Tensor Imaging) for increased image sensitivity in Multiple Sclerosis
7	Prof. Marcus Groettrup Biotechnologie Institut Thurgau an der Universität Konstanz Unterseestrasse 47 CH-8280 Kreuzlingen	Inhibitors of the immunoproteasome for the treatment of multiple sclerosis in pre-clinical models

8	Dr. Grossman Universitätsspital Basel Psychosomatik Hebelstrasse 2 CH-4031 Basel	Long-term Benefits of Mindfulness Intervention upon Well-Being of MS Patients and a Randomized Study of Effects of a Supplemental 6-Month Program
9	PD Dr. med. Patrice Lalive University Hospital of Geneva Department of Clinical Neuroscience Division of Neurology 1211 Geneva, 14	Immunomodulatory effects of hepatocyte growth factor in central nervous system autoimmunity
10	Prof. Raija Lindberg University Hospital Basel Department of Biomedicine Clinical Neuroimmunology Hebelstrasse 20 4031 Basel	MicroRNAs in serum and CSF from MS patients as indicators for disease activity and progression
11	Prof. Jan Lünemann Institute of Experimental Immunology Clinical Immunology a. Immunotherapy University of Zurich Building Y44, Room J07 Winterthurer Strasse 190 8057 Zurich	Frequencies and Functions of Dendritic Cells in Multiple Sclerosis
12	PD Dr. Iris-Katharina Penner University of Basel Department of Cognitive Psychology Missionsstr. 60/62 CH-4055 Basel	Cognitive training in juvenile MS and its influence on cognitive profile and psychosocial aspects (fatigue, depression, quality of life)
13	Dr. phil. Tobias Pflugshaupt Clinical Neuropsychologist Department of Neurology University Hospital Zürich Frauenklinikstrasse 26 CH-8091 Zürich	Towards a better understanding of cognitive impairment in patients with multiple sclerosis (MS): The role of cortical lesions, cognitive fatigue, and intracognitive dependencies
14	Prof. Walter Reith and Stéphanie Hugues Department of Pathology and Immunology Faculty of Medicine, University of Geneva 1 rue Michel-Servet CH-1211 Geneva	Role of MHC class II-mediated antigen presentation by plasmacytoid dendritic cells in conferring protection against autoimmune inflammation of the central nervous system
15	Regula Steinlin Egli Präsidentin FPMS Wilhelm Denz-Strasse 63 4102 Binningen	Projekt Atmung bei MS: Klinik - Forschung Eine randomisierte, kontrollierte Interventionsstudie (RCT)

16	Prof. Tobias Suter Klinik für Immunologie Häldeliweg 4 8044 Zürich	Über die Rolle von Antigen-präsentierenden Zellen in Erkrankungen des Zentralnervensystems
17	Nanco van der Maas Principle Investigator MSQPT Specialized group Physiotherapy in MS Physioswiss c/o Institut für Physiotherapieforschung Lindenweg 48 2503 Biel	Study to evaluate the responsivity and minimal clinical important difference (MCID) of the ,Multiple Sclerosis Questionnaire for Physiotherapists' (MSQPT®)

Swiss Multiple Sclerosis Society: Supported Research Grants, 2. half 2011

	Applicant	Title
1	Gilles Allali, MD, PhD Department of Clinical Neurosciences Division of Neurology 1211 Geneva 14	Dual task-related gait changes as a marker of multiple sclerosis handicap and prognosis: follow-up study
2	Prof. Burkhard Becher PhD University Irchel, Zürich Institute of Experimental Immunology Y44-J92 (office), J38/42 (Lab) Winterthurerstrasse 190 8057 Zürich	IGF1R role in ODC damage and CNS inflammation
3	Dr. med. Sandra Bigi Im Eggacker 8 4312 Magden	Developing a Clinical Care and Research Program for Children with Multiple Sclerosis in Switzerland
4	Dr. Laura Codarri, PhD Institute of Experimental Immunology University of Zurich Winterthurerstrasse 190 8057 Zurich	The role of GM-CSF in Multiple Sclerosis
5	Prof. Andera Huwiler Institute of Pharmacology University of Bern Friedbühlstrasse 49 3010 Bern	Functional contribution of sphingosine kinases 1 and 2 to the development of experimental autoantigen-induced encephalomyelitis (EAE) and to fingolimod treatment
6	Dr. Ruth Lyck University of Bern Theodor Kocher Institute Freiestrasse 1 3012 Bern	Detailed in vitro analysis of the molecular and cellular pathway of T cell extravasation across the highly specialized BBB endothelium
7	Dr. Ursula Malipiero Clinical Immunology University Hospital Zürich Haldeliweg 4 8091 Zürich	Lack of TGF β signaling pathway in myeloid cells prevents recovery in experimental autoimmune encephalomyelitis
8	Doron Merkler, MD, SNSF Professor Division of Clinical Pathology, Geneva University Hospital Department of Pathology and Immunology Centre Médical Universitaire 1 rue Michel Servet 1211 Geneva	Regulatory functions of microRNAs during remyelination in multiple sclerosis: involvement of miRNA regulated K ⁺ channel in the differentiation and myelination of oligodendrocytes

9	Nicolaas Molnarfi, PhD University Hospital of Geneva (HUG) Department of Clinical Neurosciences Division of Neurology Patrice Lalive Research Group Rue Gabrielle Perret-Gentil 4 1211 Geneva 14	Role of B-cell-derived transforming growth factor (TGF)-beta 1 expression in central nervous system autoimmunity
10	Jean Pieters, PhD Biozentrum, University of Basel Klingelbergstrasse 50 4056 Basel	Dissecting the Role for Coronin 1-Dependent Signaling in the Generation of Encephalomyelitic T cells
11	Dr. med. Rajeev Kumar Verma Universitätsinstitut für Diagnostische und Interventionelle Neuroradiologie Inselspital Freiburgstrasse 4 3010 Bern	The impact of cerebral grey matter changes on MRI imaging in multiple sclerosis
12	Dr. med. Jens Kuhle Neurology and Clinical Neuroimmunology Departments of Medicine and Biomedicine University Hospital Basel Petersgraben 4 4031 Basel	Start-up grant for the Swiss Multiple Sclerosis Cohort-Study