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2018-2019 Annual Research Competition- Funding Decisions

DOCTORAL AND MASTER'S STUDENTSHIPS

The MS Society of Canada is pleased to announce the funding decisions for the applications submitted to the 2018-2019 Annual Research Competition. Doctoral Studentship applicants will receive \$22,000 for one year. Master Studentship applicants will receive \$20,000 for one year.

In total, **23 Doctoral Studentships** and **11 Master's Studentship** have been awarded as follows (listed in alphabetical order):

Doctoral Studentships

NAME	INSTITUTION	PROJECT TITLE
Jessica Allanach	University of British Columbia	A humanized mouse model of MS to study EBV infection in disease
Stephanie Blandford	Memorial University of Newfoundland	Investigating exosomal microRNAs as functionally relevant disease biomarkers in MS
Ana Carmena Moratalla	Centre de Recherche du CHUM	The role of NKG2D in multiple sclerosis.
Marc Charabati	Centre de Recherche du CHUM	MCAM+ cells contribute to the development of MS and predict its progression
Marie-Laure Clénet	Centre de Recherche du CHUM	Impact of IL-27 on T cells from Multiple Sclerosis patients
Thomas Edwards	University of Ottawa	The efficacy of functional electrical stimulation (FES) cycling for improving mobility in people with Multiple Sclerosis with severe mobility impairment
Dylan Galloway	Memorial University of Newfoundland	Exploring the clinical and functional significance of altered MiR-223 expression in Multiple Sclerosis and its animal models
Marjan Gharagozloo	Université de Sherbrooke	NLRX1 acts as an endogenous inhibitor of multiple sclerosis
Elizabeth Gowing	Centre de Recherche du CHUM	The role of integrin alpha8 in multiple sclerosis
Jesse Huang	Karolinska Institutet	Host genetic influence on humoral immunity to viral infections and its role in multiple sclerosis and progressive multifocal leukoencephalopathy

To be a leader in finding a cure for multiple sclerosis and enabling people affected by MS to enhance their quality of life.

Founding member of the Multiple Sclerosis Society International Foundation

NAME	INSTITUTION	PROJECT TITLE
Prenitha Mercy Ignatius Arokia Doss	Université Laval	Role of CD8+ T cells in progressive EAE
Junseok Kim	University of Toronto	Investigating the neuronal oscillatory properties of the dynamic pain connectome in chronic pain patients with MS: A magnetoencephalography study
Samantha Kornfeld	Ottawa Hospital Research Institute	Uncovering and reversing causes of remyelination failure in progressive multiple sclerosis - miR-145-5p regulates MYRF in oligodendrocytes
Hanwen Liu	University of British Columbia	Diffusely abnormal white matter in different MS phenotypes: impact on myelin, axons and brain volume
Wei-Qiao Liu	University of Calgary	Pilot trial of Domperidone for remyelination in Multiple Sclerosis
Josefina Maranzano	McGill University	Elucidating cortical lesion evolution in Multiple Sclerosis
Ana Citlali Marquez	University of British Columbia	Relationship between Epstein-Barr Virus (EBV) latency and the onset of Multiple Sclerosis
Nathan Michaels	University of Calgary	Aging exaggerates lesion size and axonal injury following demyelination: mechanisms and neuroprotection
Ali Mirza	Vancouver Hospital & Health Sciences Centre	Assessing the functional capacity of the Gut Microbiome in Pediatric MS
Diane Nakamura	McGill University	Investigating a novel mechanism that promotes myelin maintenance
Yodit Tesfagiorgis	University of Western Ontario	Identifying pathogenic B cells in an animal model of central nervous system autoimmunity and determining their susceptibility to therapeutic depletion
Kevin Thorburn	University of Alberta	Development and characterization of animal models to study MS-related trigeminal neuralgia
Alexandra Tremblay	Université du Québec à Montréal	Aging and cognition in Multiple Sclerosis: the role of cognitive reserve

Master's Studentships

NAME	INSTITUTION	PROJECT TITLE
Ana Catuneanu	University of Alberta	Examining sex differences in central nervous system plasticity and pain in a mouse model of Multiple Sclerosis
Samuel Clemot-DuPont	McGill University	Identify the contribution of netrin-1 and netrin receptors to remyelination following experimentally induced demyelination
Ellinore Doroshenko	University of Toronto	Sex Differences in T helper cell expansion as a cause of sex differences in EAE
Tracy Fabri	York University	Memory and Social Cognition in Pediatric-Onset Multiple Sclerosis
Timothy Friedman	University of Alberta	miRNA in EAE-related pain: a new perspective on post-transcriptional regulation
Carina Graf	University of British Columbia	Magnetic Resonance Imaging and Spectroscopy of Human Spinal Cord in Multiple Sclerosis
Riyeon Kim	The Hospital for Sick Children	Evaluating relationships between structural and functional visual pathway abnormalities in youth with demyelination: Visual evoked cortical magnetic responses and Optical Coherence Tomography (OCT)
Marco Law	The University of British Columbia	Using Artificial Intelligence to Predict Clinical Progression in Multiple Sclerosis using Brain MRIs
Yun Hsuan (Elena) Lin	Montreal Neurological Institute, McGill University	Metabolic Control of Human Macrophage-Mediated Myelin Phagocytosis: Implications for MS
Leina Saito	University of Alberta	Innate Immune Responses in Oligodendrocytes and Therapeutic Strategies.
Yang Zhang	Montreal Neurological Institute, McGill University	Roles of miRNAs in neuron degeneration and repair