2017-2018 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 2017-2018 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, 26 Doctoral Studentships and 10 Master’s Studentship have been awarded as follows (listed in alphabetical order):

**Doctoral Studentships**

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
<th>Project Title</th>
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<tbody>
<tr>
<td>Jeeyoon Ahn</td>
<td>University Health Network</td>
<td>The relationship of obesity to autoimmune risk in EAE, an animal model of multiple sclerosis</td>
</tr>
<tr>
<td>Jessica Allanach</td>
<td>University of British Columbia</td>
<td>A humanized mouse model of MS to study EBV infection in disease</td>
</tr>
<tr>
<td>Emily Barlow-Krelina</td>
<td>York University</td>
<td>Trajectories of executive dysfunction in youth with pediatric-onset multiple sclerosis: A mixed methods approach to assessing cognitive outcomes</td>
</tr>
<tr>
<td>Rhiannon Campden</td>
<td>University of Calgary</td>
<td>The Role of Cathepsin Z in the Generation of IL-18</td>
</tr>
<tr>
<td>Marc Charabati</td>
<td>Centre de Recherche du CHUM</td>
<td>MCAM+ Cells Contribute to the Development of MS and Predict its Progression</td>
</tr>
<tr>
<td>Justin Chee</td>
<td>University Health Network</td>
<td>Enhancing the Safe Mobility of Individuals with Multiple Sclerosis by Advancing Approaches to Ambulatory Monitoring and Gait Biofeedback Training</td>
</tr>
<tr>
<td>Paulina Drohomyrecky</td>
<td>University Health Network</td>
<td>Evaluation of the role of peroxisome-proliferator activated receptor delta (PPARd) in microglial responses during experimental autoimmune encephalomyelitis (EAE)</td>
</tr>
<tr>
<td>Dylan Galloway</td>
<td>Memorial University of Newfoundland</td>
<td>Exploring the Clinical and Functional Significance of Altered MiR-223 Expression in Multiple Sclerosis and its Animal Models</td>
</tr>
<tr>
<td>Marjan Gharagozloo</td>
<td>Université de Sherbrooke</td>
<td>NLRX1 acts as an endogenous inhibitor of multiple sclerosis</td>
</tr>
<tr>
<td>Elizabeth Gowing</td>
<td>Centre de Recherche du CHUM</td>
<td>The role of integrin alpha8 in multiple sclerosis</td>
</tr>
<tr>
<td>Name</td>
<td>Institution</td>
<td>Project Title</td>
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<tr>
<td>Jesse Huang</td>
<td>Karolinska Institutet</td>
<td>Host genetic influence on humoral immunity to viral infections and its role in multiple sclerosis and progressive multifocal leukoencephalopathy</td>
</tr>
<tr>
<td>Prenitha Mercy Ignatius Arockia Doss</td>
<td>Université Laval</td>
<td>Role of CD8+ T cells in progressive EAE</td>
</tr>
<tr>
<td>Rajiv Jain</td>
<td>Western University</td>
<td>Elucidating the molecular mechanisms allowing pathogenic B and T cells to progress through and maintain the immune response in Multiple Sclerosis.</td>
</tr>
<tr>
<td>Samuel Jensen</td>
<td>University of Calgary</td>
<td>Assessment of physical exercise as an integrative treatment modality for promoting CNS remyelination in Multiple Sclerosis.</td>
</tr>
<tr>
<td>Samantha Kornfeld</td>
<td>Ottawa Hospital Research Institute</td>
<td>Uncovering and reversing causes of remyelination failure in progressive multiple sclerosis - miR-145-5p regulates MYRF in oligodendrocytes</td>
</tr>
<tr>
<td>Laurine Legroux</td>
<td>Centre de Recherche du CHUM</td>
<td>Role of NKG2D in multiple sclerosis</td>
</tr>
<tr>
<td>Hanwen Liu</td>
<td>University of British Columbia</td>
<td>Diffusely Abnormal White Matter in Different MS Phenotypes: Impact on Myelin, Axons and Brain Volume</td>
</tr>
<tr>
<td>Ana Citlali Marquez</td>
<td>University of British Columbia</td>
<td>Relationship Between Epstein-Barr Virus (EBV) Latency and the onset of Multiple Sclerosis</td>
</tr>
<tr>
<td>Nathan Michaels</td>
<td>University of Calgary</td>
<td>Aging exaggerates lesion size and axonal injury following demyelination: mechanisms and neuroprotection</td>
</tr>
<tr>
<td>Diane Nakamura</td>
<td>McGill University</td>
<td>Investigating a Novel Mechanism that Promotes Myelin Maintenance</td>
</tr>
<tr>
<td>Merlin Premalatha Thangaratris</td>
<td>University of Saskatchewan</td>
<td>Role of Sirt2 in oligodendrocyte development, myelination and in EAE mouse model of multiple sclerosis</td>
</tr>
<tr>
<td>Kevin Thorburn</td>
<td>University of Alberta</td>
<td>Development and characterization of animal models to study MS-related trigeminal neuralgia</td>
</tr>
<tr>
<td>Hanane Touil</td>
<td>Montreal Neurological Institute, McGill University</td>
<td>B cell-glial cell interactions: contribution to CNS-compartmentalized inflammation of MS</td>
</tr>
<tr>
<td>Christiane Whitehouse</td>
<td>Dalhousie University</td>
<td>Intra-Individual Variability as a Predictor of Cognitive Impairment in MS</td>
</tr>
<tr>
<td>Vanessa Wiggermann</td>
<td>University of British Columbia</td>
<td>Exploring MR gradient echo imaging as a novel tool to monitor cortical lesions in multiple sclerosis</td>
</tr>
<tr>
<td>Youngjin Yoo</td>
<td>University of British Columbia</td>
<td>Developing Artificial Neural Networks for Predicting Individual Disease Course in Multiple Sclerosis from Brain MRI Data</td>
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# Master’s Studentships

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<thead>
<tr>
<th>Name</th>
<th>Institution</th>
<th>Project Title</th>
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</thead>
<tbody>
<tr>
<td>Ana Catuneanu</td>
<td>University of Alberta</td>
<td>Examining sex differences in central nervous system plasticity and pain in a mouse model of Multiple Sclerosis</td>
</tr>
<tr>
<td>Ellinore Doroshenko</td>
<td>University of Toronto</td>
<td>Sex Differences in T helper cell expansion as a cause of sex differences in EAE</td>
</tr>
<tr>
<td>Thomas Edwards</td>
<td>University of Illinois</td>
<td>Functional Electrical Stimulation Cycling in Severe Multiple Sclerosis</td>
</tr>
<tr>
<td>Carina Graf</td>
<td>University of British Columbia</td>
<td>Magnetic Resonance Imaging and Histology of post-mortem Spinal Cord in Multiple Sclerosis</td>
</tr>
<tr>
<td>Sasha Power</td>
<td>Memorial University of Newfoundland</td>
<td>Investigation into the Potential of miR-125b as a Multiple Sclerosis Biomarker</td>
</tr>
<tr>
<td>Leina Saito</td>
<td>University of Alberta</td>
<td>Innate Immune Responses in Oligodendrocytes and Therapeutic Strategies.</td>
</tr>
<tr>
<td>Diana Valdés Cabrera</td>
<td>University of Alberta</td>
<td>High Resolution Diffusion Tensor Imaging and Fiber Tractography in White Matter: An Approach to Studying the Relationship of Microstructural Changes to Disability in Multiple Sclerosis</td>
</tr>
<tr>
<td>Colin Wilbur</td>
<td>University of Toronto</td>
<td>Early retinal changes in children with demyelinating disorders</td>
</tr>
<tr>
<td>Ryder Wittaker Hawkins</td>
<td>Université Laval</td>
<td>Role of neutrophils as antigen-presenting cells in autoimmune demyelination</td>
</tr>
<tr>
<td>Yang Zhang</td>
<td>Montreal Neurological Institute, McGill University</td>
<td>Neuroprotective effects and mechanisms of miR-223 in neurons in multiple sclerosis</td>
</tr>
</tbody>
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