

## 2024-2025 Annual Research Competition- Funding Decisions

### POSTDOCTORAL FELLOWSHIPS

MS Canada is pleased to announce the funding decisions for the applications submitted to the 2024-2025 Annual Research Competition. The value of each approved Postdoctoral Fellowship award is \$41,000 for PhD and \$50,500 for MD for one year.

In total, **16 Postdoctoral Fellowships** have been awarded as follows (listed in alphabetical order):

Name	Institution	Project Title
Maxime Bigotte	Montreal Neurological Institute and Hospital	Evaluation of the pathogenic role of autoantibodies on ependymal cells in multiple sclerosis
Kevin Champagne-Jorgensen	University of Toronto	Manipulating the microbiome to prevent MS progression
Arthur Ribeiro de Abreu Chaves	University of Ottawa	Synergetic effects of aerobic exercise paired with non-invasive brain stimulation to prime neuroplasticity in multiple sclerosis
Brendan Cordeiro	St. Michael's Hospital	Sex and increased adiposity interact to enhance T helper 1 inflammatory pathways in multiple sclerosis (MS) and murine models of MS
Rianne Petra Gorter	University of Calgary	Preventing microglia from 'going over the edge': The role of extracellular matrix proteins in iron rim lesion expansion
Yasmine Kamen	Trustees of Dartmouth College	Impact of demyelination and remyelination on axonal structural plasticity and function
Woojin Kim	Ottawa Hospital	Multiple sclerosis and physician care in the last years of life: A population-based study
Julius Baya Mdzomba	University of Calgary	New focus on B cells' non-immune role in multiple sclerosis: Secretor of a toxic high molecular mass protein
Niall Pollock	University of Alberta	Identifying and understanding the genetic mechanisms behind pyroptosis in progressive multiple sclerosis
Atefeh Rayatpour	University of Calgary	Conferring neuroprotection and remyelination in multiple sclerosis by overcoming oxidative stress in lesions
Bozena Szulc	University of Alberta	Exploring the role of central nervous system cell glycans and glycosylation in a cuprizone mouse model of multiple sclerosis
Simon Thebault	University of Pennsylvania	Comparative study of immune phenotypic and functional patterns associated with new relapse biology in multiple sclerosis patients who enrolled in the MESCAMS study

Ashleigh Willis	University of British Columbia	Neural stem cell-mediated myelin repair: A potential positive role for microglial ligands
Moein Yaqubi	Montreal Neurological Institute and Hospital	Advanced multi-omics single cell analysis of human ventricular/subventricular brain in multiple sclerosis
Paul Yejong Yoo	The Hospital for Sick Children	Participation, environment, and key clinical and health outcomes in children with multiple sclerosis
Bettina Zierfuss	Centre Hospitalier de l'Université de Montréal	Targeting mannose receptor C type 2 on encephalitogenic leukocytes in multiple sclerosis