

NATIONAL RESEARCH PROGRAM AWARDS FOR 2012-2014 CYCLE

Granting period 1 July 2012 – 30 June 2014

| Researcher | Project Title | Institution | Amount Year 1 | Amount Year 2 | Total Award |
|--|--|--|---------------|---------------|-----------------|
| Pilot Project Grants | | | | | |
| Dr. Gail Eskes | Beyond the Physical: Enhancing Psychosocial Functioning in Parkinson's disease | Dalhousie University | \$44,899 | N/A | \$44,899 |
| Porridge for Parkinson's (Toronto) Pilot Project Grant Dr. Edward Fon | Regulation of Parkin function by deubiquitination | McGill University | \$45,000 | N/A | \$45,000 |
| Dr. Anthony Lang | Synuclein staining in biopsies of the rectosigmoid mucosa as a diagnostic marker for Parkinson's disease | University of Toronto (Toronto Western Hospital Movement Disorder Centre) | \$44,965 | N/A | \$44,965 |
| Dr. Thibault Mayor | Characterization of the role of UCHL1 activity in affecting the formation of cytosolic aggregates | University of British Columbia | \$45,000 | N/A | \$45,000 |
| Dr. Julie Messier | A quantitative analysis of the impact of a physical activity program on proprioceptive processing in Parkinson's disease | University of Montreal | \$45,000 | N/A | \$45,000 |
| Drs. Oury Monchi & Guy Rouleau | Investigation of COMT, DAT1, and MAPT polymorphisms on the cognitive profile of patients with Parkinson's disease | University of Montreal ('Centre de recherche, Institut Universitaire de Gériatrie de Montréal) | \$45,000 | N/A | \$45,000 |
| Pedaling for Parkinson's Pilot Project Grant Dr. Joanne Nash | Evaluation of Sirtuin 3 as a Disease modifying agent in Parkinson's disease | University of Toronto | \$45,000 | N/A | \$45,000 |
| Dr. Frank Russo | A novel singing therapy to improve communication of facial and vocal emotion | Ryerson University | \$44,834 | N/A | \$44,834 |
| Dr. Cory Toth | Is peripheral neuropathy occurring in association with idiopathic Parkinson's disease an Iatrogenic complication | University of Calgary | \$44,961 | N/A | \$44,961 |
| Pilot Project Grant – Funded by Parkinson Society British Columbia | | | | | |
| Dr. Doris Doudet | Validating a tracer of the noradrenaline system in primate | University of British Columbia | \$45,000 | N/A | \$45,000 |
| Pilot Project Grants – Funded by Parkinson Society Ottawa | | | | | |
| Dr. Marc Ekker | Transgenic zebrafish models for the study of dopaminergic neuron loss and regeneration | University of Ottawa | \$45,000 | N/A | \$45,000 |
| Dr. John Woulfe | Epstein-Barr virus as a viral trigger for Parkinson's disease | University of Ottawa | \$44,500 | N/A | \$44,500 |
| Pilot Project Grants – Funded by Fond Saucier – Van Berkomp – Parkinson Society Québec | | | | | |
| Dr. Jeremy Lee | Understanding the misfolding of alpha-synuclein | University of Saskatchewan | \$44,100 | N/A | \$44,100 |
| Dr. Louis-Eric Trudeau | Evaluating axonal arbor size as a vulnerability factor in Parkinson's disease | Université de Montréal | \$45,000 | N/A | \$45,000 |
| Pilot Project Grant – Funded by Fond Saucier – Van Berkomp – Parkinson Society Québec – Parkinson Society Newfoundland & Labrador | | | | | |
| Dr. Brian Staveley | The Pink1-parkin-Paris-Pgc-1a pathway in Drosophila models of Parkinson disease | Memorial University of Newfoundland | \$45,000 | N/A | \$45,000 |

| New Investigator Awards – Funded by Fond Saucier – Van Berkom – Parkinson Society Québec | | | | | |
|---|---|---|----------------------|----------------------|--------------------|
| Dr. Mary Joanne Lemieux | In vitro functional and structural study of PINK1 cleavage in Parkinson's disease | University of Alberta | \$45,000 | \$45,000 | \$90,000 |
| Dr. David Stellwagen | TNFalpha mediated synaptic plasticity in Parkinson's disease and levodopa-induced dyskinesia | McGill University | \$45,000 | \$45,000 | \$90,000 |
| New Investigator Award | | | | | |
| Dr. Shirley Fecteau | Improving speech and voice in adults with Parkinson's disease with noninvasive neuromodulation and the Lee Silverman Voice Treatment | Laval University | \$44,989 | \$44,960 | \$89,949 |
| Dr. Ron Levy | Role of abnormal neuronal synchronization in the pathophysiology of Parkinson's disease | Queen's University | \$45,000 | \$45,000 | \$90,000 |
| Fellow | Project Title | Institution | Amount Year 1 | Amount Year 2 | Total Award |
| Basic Research Fellowships | | | | | |
| Dr. Sang Soo Cho | The neural network underlying fatigue in Parkinson's disease | University of Toronto (Centre for Addiction and Mental Health) | \$50,000 | \$50,000 | \$100,000 |
| The George F. Ingram Basic Research Fellowship In Honour of Parkinson Society Central & Northern Ontario's Peterborough Chapter Dr. Aarlenne Khan | Benefits of cognitive training in Parkinson's disease | Queen's University | \$50,000 | \$50,000 | \$100,000 |
| Dr. Scott Ryan | Rescuing cellular defects in an Isogenic human stem cell model of PD following agrochemical exposure (rotenone, paraquat) | Sanford Burnham Medical Research Institute | \$50,000 | \$50,000 | \$100,000 |
| Basic Research Fellowship – funded by Parkinson Society British Columbia | | | | | |
| Dr. Marjorie Gonzalez | Study of treatment- related psychiatric complications in Parkinson's disease using multimodality brain imaging | University of British Columbia | \$40,000 | \$40,000 | \$80,000 |
| Clinical Movement Disorder Fellowship (1 Year) | | | | | |
| PSC-TEVA Canada Innovation Clinical Movement Disorder Fellowship Dr. Madeleine Sharp | Clinical Fellowship in the diagnosis, management and treatment of Parkinson's disease | Columbia University | \$50,000 | N/A | |
| Clinical Research Fellowship | | | | | |
| Dr. Andre Felicio | The relationship between serotonergic innervation and levodopa-derived dopamine release in parkinson's disease: an in vivo PET study | University of British Columbia (Pacific Parkinson Research Centre) | \$25,000 | N/A | \$25,000 |
| Dr. Tiago Mestre | The Minimal Clinically Important Change in Parkinson's disease patients with dyskinesia: improving the translational process for new treatments using the i.v. levodopa paradigm. | University of Toronto (Toronto Western Hospital Movement Disorder Centre) | \$50,000 | \$25,000 | \$75,000 |
| Student | Project Title | Institution | Amount Year 1 | Amount Year 2 | Total Award |
| Graduate Student Awards | | | | | |
| The Lawrason Foundation Graduate Student Award | Identifying the Dopaminergic Basis of Cognitive Impairment in Parkinson's Disease | Centre for Addiction and Mental Health | \$15,000 | \$15,000 | \$30,00 |

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|--|--|---|----------|----------|-----------------|
| Ms. Leigh Christopher | | | | | |
| Ms. Valerie Lefebvre | Functional Genomic screening identifies novel regulators of PINK1-Parkin mediated mitophagy | University of Ottawa (CHEO Research Institute) | \$15,000 | \$15,00 | \$30,000 |
| Ms. Leigh MacIntyre | Neurotrophic Hypothesis of Parkinson's Disease: Examining Anterograde transport of BDNF in the thalamostriatal system | McGill University | \$15,000 | \$15,000 | \$30,000 |
| Graduate Student Award – Funded by Parkinson Society Ottawa | | | | | |
| Ms. Mabel Ao | Investigation of <i>cis</i> -and <i>trans</i> - regulatory elements and signaling pathways of Parkinson's-linked <i>Parkin</i> gene expression | University of Ottawa (Ottawa Hospital Research Institute) | \$15,000 | \$15,000 | \$30,000 |
| Graduate Student Award – Funded by Parkinson Society Saskatchewan | | | | | |
| Mr. Omid Tavassoly | Nanopore analysis of the factors which enhance or prevent the formation of the initial partially folded intermediates of alpha-synuclein | University of Saskatchewan | \$15,000 | \$15,000 | \$30,000 |