

# Research Grants and Training Awards 2010-2011

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In this, the 22<sup>nd</sup> anniversary year of the Alzheimer Society Research Program, we are pleased to announce the following incentive grants and awards:

- Alzheimer Society of British Columbia Doctoral Studentship Award
- Alzheimer Society of British Columbia Post Doctoral Fellowship Award
- Alzheimer Society of Manitoba Biomedical Research Grant
- Alzheimer Society of Saskatchewan Post Doctoral Fellowship Award
- Alzheimer Society of Saskatchewan Young Investigator Grant
- David G. Dewar Research Grant
- Research Training Awards Program on Knowledge Translation and Dementia

We would like to acknowledge and thank our partners in these awards: the Alzheimer Society of British Columbia, the Alzheimer Society of Manitoba, the Alzheimer Society of Saskatchewan, the Canadian Institutes of Health Research - Institute of Aging (CIHR-IA), the Canadian Dementia Knowledge Translation Network (CDKTN), and Mrs. June Dewar.

We also extend our thanks to all our provincial member Alzheimer Societies, who contribute so generously to the Alzheimer Society Research Program, each year.

- Alzheimer Society of British Columbia
- Alzheimer Society of Alberta and Northwest Territories
- Alzheimer Society Of Saskatchewan
- Alzheimer Society of Manitoba

Alzheimer Society of Ontario and Chapters (Belleville-Hastings-Quinte, Brant, Cambridge, Cornwall & District, Dufferin County, Durham Region, Greater Simcoe County, Grey-Bruce, Guelph-Wellington, Hamilton and Halton, Huron County, Kenora/Rainy River Districts, Kingston, Kitchener-Waterloo, Lanark County, London and Middlesex, Muskoka, Niagara Region, North Bay & District, North East Simcoe County, Ottawa, Peel, Perth County, Prince Edward County, Thunder Bay, Timmins-Porcupine District, Toronto, Victoria County, York Region)

Federation of Quebec Alzheimer Societies and Chapters (Bas Saint-Laurent, Centre du Québec, l'Estrie, Haut-Richelieu, Laurentides, Laval, Maskoutains-Vallée des Patriotes, Montréal, Outaouais québécois, Rouyn-Noranda, Vallée de l'Or)

- Alzheimer Society of New Brunswick
- Alzheimer Society of Nova Scotia
- Alzheimer Society of Prince Edward Island

- Alzheimer Society of Newfoundland & Labrador

The Peer Review Panels met in January and February 2010 to assess the applications received. Based on excellence and relevance, the following grants and awards were approved for the 2010-2011 granting year:

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## Biomedical Research Grants

### Calon, Frédéric

Université Laval

\$ 150,000

**TDP43 in Alzheimer's disease**

### Chakrabartty, Avijit

University Health Network and University of Toronto

\$ 200,000

**Composition of neuropathological inclusion bodies using a novel proteomics technique**

*Recipient of the David G. Dewar Research Grant.*

### Gallo-Payet, Nicole

Université de Sherbrooke

\$ 150,000

**Link between expression and activation of the angiotensin II type-2 receptor (AT2R) with Alzheimer's disease**

**Glazner, Gordon**

St. Boniface Hospital Research Foundation

\$ 150,000

**Studies into the clinical relevance of interactions between brain insulin receptors and amyloid beta peptides**

*Recipient of the Alzheimer Society of Manitoba Biomedical Research Grant.*

**Biomedical Young Investigator Awards**

**Hébert, Sébastien**

Université Laval

\$ 180,000

**Importance of microRNA target site polymorphisms in Alzheimer's disease**

*Recipient of the Alzheimer Society of Saskatchewan Young Investigator Grant.*

**Lagace, Diane**

University of Ottawa

\$ 225,000

**The role of presenilin in adult neurogenesis and its relationship to Alzheimer's disease**

**Biomedical Post-Doctoral Awards**

**Delay, Charlotte**

Université Laval

\$ 81,000

Supervisor: Dr. Sébastien Hébert

**The role of tau alternative splicing in Alzheimer's disease and related dementia**

**Julien, Carl**

Université Laval

\$ 90,000

Supervisor: Dr. Emmanuel Planel

**Effect of type 2 diabetes on the *in vivo* pathogenesis of tau**

*Recipient of the Alzheimer Society of Saskatchewan Post Doctoral Fellowship Award.*

**Sargin, Derya**

Hospital for Sick Children

\$ 81,000

Supervisor: Dr. Sheena Josselyn

**Modulation of TORC1 activity to prevent memory decline in Alzheimer's disease**

**Vandenbosch, Renaud**

University of Ottawa

\$ 81,000

Supervisor: Dr. Ruth Slack

**Activation of neural precursor cell-mediated regeneration in Alzheimer's disease**

**Biomedical Doctoral Awards**

**Jones, Michael**

Simon Fraser University

\$ 61,590

Supervisor: Dr. Tim Storr

**Assessing the catalytic potential of Cu-A $\beta$  species in Alzheimer's disease for the site-specific generation of therapeutic substances**

**MacDonald, Ryen**

Lady Davis Institute for Medical Research

\$ 61,590

Supervisor: Dr. Hemant Paudel

**Transcriptional dysregulation in Alzheimer's disease**

**Mixer, Rachel**

University of Western Ontario

\$ 61,590

Supervisor: Dr. Jane Rylett

**Effect of aging, Alzheimer's disease and related neurological disorders on the subcellular localization and function of human choline acetyl transferase**

**Namjoshi, Dhananjay**

University of British Columbia

\$ 61,590

Supervisor: Dr. Cheryl Wellington

**The role of apolipoproteins in the brain amyloid beta metabolism following traumatic brain injury**

**O'Leary, Timothy**

Dalhousie University

\$ 41,060

Supervisor: Dr. Richard Brown

**A cross-sectional and longitudinal assessment of learning, memory and neurodegeneration in the 5XFAD mouse model of Alzheimer's disease**

**Petkau, Terri**

University of British Columbia

\$ 69,090

Supervisor: Dr. Blair Leavitt

**The role of progranulin in the CNS**

*Recipient of the Alzheimer Society of British Columbia Doctoral Studentship Award.*

**Quality of Life Research Grants**

**Joubert, Sven**

Centre de recherche de l'Institut universitaire de gériatrie de Montréal

\$ 112,551

**Contribution of retrograde amnesia to the semantic organization in mild cognitive impairment and Alzheimer's disease**

**Phillips, Natalie**

Concordia University

\$ 118,630

**Executive function and EEG coherence in Mild Cognitive Impairment and Alzheimer's disease**

**Rapoport, Mark**

Sunnybrook Health Sciences Centre

\$ 78,870

**Driving and dementia in Ontario**

**Tierney, Mary**

Sunnybrook Health Sciences Centre

\$ 107,928

**The feasibility of computer-administered cognitive assessment of older adults in family medicine**

**Quality of Life Young Investigator Awards**

**Taler, Vanessa**

University of Ottawa

\$ 159,532

**Development of parallel story recall forms for assessment of cognitive impairment**

## Quality of Life Post-Doctoral Awards

### Pino, Lou

University of Western Ontario

\$ 81,000

Supervisor: Dr. Vladimir Hachinski

**Development of a joint risk score for stroke and Alzheimer's disease**

### Vanderhill, Susan

Rotman Research Institute

\$ 90,000

Supervisor: Dr. Morris Moscovitch

**Differential patterns of problem solving in MCI subtypes: cognitive, neuroimaging, and functional implications**

*Recipient of the Alzheimer Society of British Columbia Post Doctoral Fellowship Award.*

## Quality of Life Doctoral Awards

### Baranyaiova Frtusova, Jana

Concordia University

\$ 61,590

Supervisor: Dr. Natalie Phillips

**The effect of adding visual speech information on higher order functioning in adults with mild cognitive impairment and Alzheimer's disease: an electrophysiological study**

### Boudreault, Véronique

Université Laval

\$ 61,590

Supervisor: Dr. Philippe Landreville

**Treatment of behavioral symptoms in dementia: development of a standardized assessment method for any significant clinical change**

### Chan, Sarah

University of Regina

\$ 61,590

Supervisor: Dr. Thomas Hadjistavropoulos

**Evidence-based development and validation of the pain assessment checklist for seniors with limited ability to communicate-II (PACSLAC-II)**

**Gaudreau, Geneviève**

Université Laval

\$ 61,590

Supervisors: Dr. Carol Hudon, Dr. Laura Monetta

**Study of the language pragmatics in the elderly with mild cognitive impairment**

**Poock, Jocelyn**

University of Saskatchewan

\$ 20,530

Supervisor: Dr. Margaret Crossley

**The effects of a "walking while talking" dual-task on gait in patients with Alzheimer's disease and healthy older adults: the role of higher brain functions in clinical gait assessment**

**Reimer, Holly**

University of Guelph

\$ 20,530

Supervisor: Dr. Heather Keller

**Promoting person-centered mealtime care practices in nursing homes: staff reflections**

*This project is jointly funded by the Alzheimer Society Research Program (ASRP) and the Canadian Dementia Knowledge Translation Network (CDKTN) through the Research Training Awards Program on Knowledge Translation and Dementia.*

**Roncero, Carlos**

Concordia University

\$ 41,060

Supervisor: Dr. Roberto G. de Almeida

**Examining whether inhibition deficits or computational impairments explain Alzheimer's disease patients' difficulties with metaphor comprehension**