

Alzheimer Society

CANADA

Alzheimer Society Research Program 2015-2016 Grants and Awards



ALZHEIMER SOCIETY OF CANADA
20 EGLINTON AVE. WEST, 16TH FLOOR, TORONTO, ONTARIO M4R 1K8
TEL: 416-488-8772 FAX: 416-322-6656
WEB SITE: www.alzheimer.ca E-MAIL: info@alzheimer.ca
CHARITABLE REGISTRATION #: 11878 4925 RR001

Overview

The Alzheimer Society Research Program (ASRP) celebrates 28 years of funding Canadian researchers in the field of Alzheimer's disease and other dementias. We are pleased to announce the following 2016 ASRP grants and awards:

- Biomedical Masters, Doctoral and Post-doctoral Awards
- Biomedical Grants, New Investigator Grants and Career Change Grants
- Quality of Life Doctoral and Post-doctoral Awards
- Quality of Life Grants

Thank you!

We would like to acknowledge and thank our donors and partners in these grants and awards, including the Canadian Consortium on Neurodegeneration in Aging (CCNA), the Brain Canada Foundation, the Fonds de recherche du Québec – Santé (FRQS), the Firefly Foundation, the Pacific Alzheimer Research Foundation, the Rawlinson Family and the New Brunswick Health Research Foundation.

We also extend our thanks to the Alzheimer Societies who generously contribute to the Alzheimer Society Research Program each year:

- Alzheimer Society of Alberta and Northwest Territories
- Alzheimer Society of British Columbia
- Alzheimer Society of Manitoba
- Alzheimer Society of New Brunswick
- Alzheimer Society of Newfoundland and Labrador
- Alzheimer Society of Nova Scotia
- Alzheimer Society of Ontario and chapters (Brant-Haldimand Norfolk-Hamilton Halton; Chatham-Kent; Cornwall and District; Dufferin County; Durham Region; Elgin – St. Thomas; Grey-Bruce; Hastings – Prince Edward; Huron County; Kenora / Rainy River Districts; Kingston, Frontenac, Lennox and Addington; Lanark Leeds Grenville; London and Middlesex; Muskoka; Niagara Region; Ottawa and Renfrew County; Oxford; Peel; Perth County; Peterborough, Kawartha Lakes, Northumberland and Haliburton; Sarnia-Lambton; Sault Ste. Marie and Algoma

District; Simcoe County; Sudbury-Manitoulin North Bay and Districts; Thunder Bay; Timmins-Porcupine District; Toronto; Waterloo-Wellington; Windsor-Essex County; and York Region)

- Alzheimer Society of Prince Edward Island
- Alzheimer Society Of Saskatchewan
- Federation of Quebec Alzheimer Societies and chapters (Bas-Saint-Laurent, Centre-du-Québec, Chaudière-Appalaches, Côte-Nord, Estrie, Gaspésie Îles-de-la-Madeleine, Granby et régions, Haut-Richelieu, Lanaudière, Laurentides, Laval, Maskoutains-Vallée des Patriotes, Montréal, Outaouais québécois, Québec, Rive-Sud, Rouyn-Noranda Témiscamingue, Sagamie Saguenay Lac St-Jean, Suroît, and Vallée de l'Or)

Based on excellence and relevance, we are pleased to announce the following grants and awards approved by the Peer Review Panels for the 2015-2016 granting year:

Contents

Overview	2
Thank you!	2
Biomedical Masters Award	6
Lianne Trigiani	6
Biomedical Doctoral Awards.....	6
Nathalie Nilsson	6
Hadir AlQot	6
Marine Tournissac.....	6
Yusuke Naito	6
Iva Kristl Brunec	6
Paula Adler	6
Biomedical Post-Doctoral Awards.....	7
Myeong Jin Ju.....	7
Laura Hamilton.....	7
Biomedical Grants.....	7
Edith Hamel.....	7
Lisa Marie Munter.....	7
Emmanuel Planel	7
Margaret Fahnestock.....	7
Marco Antonio Maximo Prado.....	7
Hsiao-Huei Chen.....	8
Rebecca Jane Rylett	8
Simon Duchesne	8
Biomedical New Investigator Grants	8
Sylvia Villeneuve	8
Etienne Hebert-Chatelain	8

Biomedical Career Change Grant.....	8
Michel Cayouette.....	8
Quality of Life Doctoral Awards	9
Stephanie Chamberlain.....	9
Alexa Pichet Binette.....	9
Danielle Alcock.....	9
Quality of Life Post-Doctoral Awards.....	9
Rahel Rabi	9
Frédérique Escudier	9
Quality of Life Grants	10
Kristine Newman.....	10
Laura Middleton.....	10
Sharon Koehn.....	10
Edeltraut Kröger.....	10
Jennifer Baumbusch.....	10
Holly A. Tuokko	10
Christine Jonas-Simpson	10

Biomedical Masters Award

Lianne Trigiani

McGill University

\$20,000

Impact of pharmacological therapy and physical exercise on cognitive function in hypercholesterolemic TGF mice

This project is jointly funded by the ASRP and the CCNA.

Biomedical Doctoral Awards

Nathalie Nilsson

McGill University

\$75,000

Protection in Alzheimer's disease: The mechanism of a genetic variant in the HMGR gene

This project is jointly funded by the ASRP and the CCNA.

Hadir AlQot

University of Western Ontario

\$66,000

The functional role of nuclear 82-kDa ChAT in APP metabolism and its potential neuroprotective significance

Marine Tournissac

Laval University

\$66,000

Is there a thermoregulation deficit in Alzheimer's disease?

Yusuke Naito

McGill University

\$66,000

The role of synapse organizers in amyloid beta-induced synapse pathology

Iva Kristl Brunec

University of Toronto

\$66,000

Investigating the hippocampal role in encoding temporal information as a possible early indicator of Alzheimer's disease

Paula Adler

University of Ottawa

\$66,000

Exploring the role of the circadian clock in Alzheimer's disease

Biomedical Post-Doctoral Awards

Myeong Jin Ju

Simon Fraser University
\$83,000

Label-free Alzheimer's disease biomarkers in the retina

Laura Hamilton

University of Montreal
\$100,000

Triggers and behavioural consequences of elevated oleic acid in the AD brain

Recipient of the Firefly Spark Award

Biomedical Grants

Edith Hamel

McGill University
\$150,000

Role of a comprised cerebral circulation in susceptibility to cognitive failure

Lisa Marie Munter

McGill University
\$150,000

Peripheral and central pathways of cholesterol-induced Alzheimer's disease pathology

Emmanuel Planel

Laval University
\$145,000

Effects of perioperative factors on tau pathogenesis

Margaret Fahnestock

McMaster University
\$150,000

Mechanism of Tau-induced BDNF down-regulation in Alzheimer's disease

Marco Antonio Maximo Prado

University of Western Ontario

\$149,128

Mechanisms of anti-cholinergic activity mediated dementia and Alzheimer's pathology

Hsiao-Huei Chen

University of Ottawa

\$150,000

PTP1B inhibition targeting anxiety and Alzheimer's disease progression

Rebecca Jane Rylett

University of Western Ontario

\$148,372

The impact of brain insulin resistance on cholinergic neuron function

Simon Duchesne

Laval University

\$150,000

Multi-contrast MRI-derived brain aging trajectories: From cognitive health to dementia

Biomedical New Investigator Grants

Sylvia Villeneuve

McGill University

\$225,000

Tracking Alzheimer's disease progression at the earliest stages: A multimodal project

This project is jointly funded by the ASRP and the Brain Canada New Investigator Grant.

Etienne Hebert-Chatelain

University of Moncton

\$225,000

Role of mitochondrial c-Src kinase in Alzheimer's disease

This project is jointly funded by the ASRP, the Brain Canada New Investigator Grant and the New Brunswick Health Research Foundation.

Biomedical Career Change Grant

Michel Cayouette

University of Montreal

\$223,407

Novel mechanisms regulating intraneuronal Tau clearance as potential targets for Alzheimer's disease

This project is jointly funded by the ASRP and the Brain Canada Career Change Grant.

Quality of Life Doctoral Awards

Stephanie Chamberlain

University of Alberta

\$66,000

Unrepresented older adults: The impact of public guardianship on resident health and care needs in long-term care

Alexa Pichet Binette

McGill University

\$75,000

Early vascular brain changes and related protective factors in elderly at risk of Alzheimer's disease

This project is jointly funded by the ASRP, the CCNA and the FRQS.

Danielle Alcock

University of Western Ontario

\$66,000

Oral narratives of female indigenous caregivers for loved ones diagnosed with alcohol-related dementia

Quality of Life Post-Doctoral Awards

Rahel Rabi

University of Toronto

\$100,000

Stroop event-related potentials as neurocognitive markers for amnesic mild cognitive impairment

This project is funded by the Rawlinson Family.

Frédérique Escudier

University of Montreal

\$83,000

Judgement impairment and its neuroanatomical correlates in neurodegenerative diseases with frontal involvement

Quality of Life Grants

Kristine Newman

Ryerson University
\$120,000

Detection of agitation in people with dementia using multimodal sensors: Towards a predictive system

Laura Middleton

University of Waterloo
\$119,743

How do we get people with MCI and dementia to be physically active?

Sharon Koehn

Simon Fraser University
\$119,623

Building trust to facilitate access to dementia care for immigrant older adults: The role of the multicultural services sector

Edeltraut Kröger

Laval University
\$119,726

Deprescribing inappropriate medication in residents suffering from severe dementia: OptimaMed long term care, a demonstration project

Jennifer Baumbusch

University of British Columbia
\$116,280

Inclusion of families of older adults with Alzheimer's disease and related dementias in residential long-term care: A knowledge translation & exchange study

Holly A. Tuokko

University of Victoria
\$239,900

The development of comparison standards for the cognitive measures employed in Canadian Longitudinal Study on Aging

This project is jointly funded by the ASRP and the Pacific Alzheimer Research Foundation.

Christine Jonas-Simpson

York University

\$118,901

Musical engagement and relational dementia care: Evaluating knowledge translation through research-based documentary