

Research Grants and Training Awards 2013-2014

The Alzheimer Society Research Program (ASRP) celebrates 26 years of funding Canadian researchers in the field of Alzheimer's disease and other dementias. We are pleased to announce the following 2014 ASRP grants and awards:

- Biomedical Doctoral and Post-doctoral Awards ;
- Biomedical Grants and New Investigator Grants ;
- Quality of Life Doctoral and Post-doctoral Awards ;
- Quality of Life Grants and New Investigator Grants ;

We would like to acknowledge and thank our donors and partners in these grants and awards, including Les Dakens, the McKerroll family, Pacific Alzheimer Research Foundation, Alzheimer Drug Discovery Foundation, and Fonds de recherche Quebec-Santé (FRQS).

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

- Alzheimer Society of B.C.
- Alzheimer Society of Alberta and Northwest Territories
- Alzheimer Society Of Saskatchewan
- Alzheimer Society of Manitoba
- Alzheimer Society of Ontario and Local Societies (Belleville-Hastings-Quinte, Brant, Cambridge, Chatham-Kent, Cornwall & District, Dufferin County, Durham Region, Elgin-St. Thomas, Simcoe County, Grey-Bruce, Guelph-Wellington, Haldimand-Norfolk, Hamilton and Halton, Huron County, Kenora/Rainy River Districts, Kingston, Kitchener-Waterloo, Lanark County, Leeds-Grenville, London and Middlesex, Muskoka, Niagara Region, North Bay & District, Ottawa and Renfrew County, Oxford, Peel, Perth County, Peterborough Kawartha Lakes Northumberland & Haliburton, Prince Edward County, Sarnia-Lambton, Sault Ste. Marie & Algoma District, Sudbury-Manitoulin, Thunder Bay, Timmins-Porcupine District, Toronto, Windsor-Essex County, York Region)
- Federation of Quebec Alzheimer Societies and Chapters (Bas Saint-Laurent, Centre du Québec, Chaudière-Appalaches, Côte-Nord, l'Estrie, Gaspésie les Îles, Granby et Régions, Haut-Richelieu, Lanaudière, Laurentides, Laval, Maskoutains-Vallée des

Patriotes, Montréal, Outaouais Québécois, Québec, Rouyn-Noranda, Sagamie-Saguenay-Lac St-Jean, Suroît, 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

Based on excellence and relevance, we are pleased to announce the following grants and awards approved by the Peer Review Panels for the 2013-2014 granting year:

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Biomedical Doctoral Awards

Benjamin Kolisnyk

University of Western Ontario

\$ 66,000

Unveiling and correcting molecular dysfunctions due to cholinergic failure in Alzheimer's disease

Recipient of the Annie Dakens Research Fund Award

Laura Ansell

University of Calgary

\$ 66,000

A Novel Role for Endogenous Amyloid Beta Protein in Stroke Induced Alzheimer's Disease

Shenghua Zhu

University of Manitoba

\$ 66,000

Oligodendrocyte dysfunction in Alzheimer's disease: mechanism and target for treatment

Maude Gratuze

Laval University

\$ 66,000

Impact of diabetes and obesity on tau pathology

Paul McKeever

University of Toronto

\$ 66,000

Translational Profiling of Cholinergic Neurons in the TgCRND8 Mouse Model of Alzheimer's Disease

Prateep Pakavathkumar

Jewish General Hospital

\$ 66,000

Studying Caspase-6 inhibitors in vitro and in vivo for the development of a novel therapeutic approach against Alzheimer Disease

This project is jointly funded by the Alzheimer Society Research Program (ASRP) and the Fonds de recherche du Québec-Santé (FRQS)

Kim Miredin

McGill University

\$ 66,000

Increasing Noradrenaline to Promote Plasticity and Strengthen Learning in a Mouse model of Alzheimer's Disease

Biomedical Post-Doctoral Awards

Beverly Francis

McMaster University

\$ 83,000

The A β -tau axis in cholinergic cell death: loss of trophic support

Shivraj Jhala

McGill University

\$ 83,000

Neuronal and astroglial dysfunctions mimicking alzheimer's disease alter sensory-evoked neuronal activity and hemodynamic responses

Rebecca MacPherson

University of Guelph

\$ 83,000

Exercise induced changes in brain AMPK signalling and tau phosphorylation

Yohan D'Souza

Queen's University

\$ 83,000

Mechanisms of cognitive deficit and rescue of CREB signalling in a novel oxidative stress-based model of Alzheimer's disease

Caroline Huard

Centre de recherche du CHU de Québec, CHUL

\$ 83,000

Study of the impact of miR-15 microRNA deregulation in Alzheimer's disease

Biomedical Grants

Frederic Calon

Laval University

\$150,000

Does a thermoregulatory deficit contribute to Alzheimer's disease?

Elizabeth Finger

University of Western Ontario
\$74,298

Delineating Early Functional Neural Pathology in Frontotemporal Dementia

Recipient of the McKerroll Family Biomedical Research Grant

Gordon Glazner

St Boniface Hospital Research Centre
\$150,000

Testing secreted amyloid precursor protein as a therapeutic agent in a murine model of diabetes-linked dementia

James Johnson

University of British Columbia
\$150,000

Can the loss of brain-derived insulin cause Alzheimer's disease?

This project is jointly funded by the Alzheimer Society Research Program (ASRP) and the Pacific Alzheimer Research Foundation (PARF)

Krista Lanctot

Sunnybrook Research Institute
\$111,626

Safety and efficacy of nabilone in institutionalized patients with Alzheimer's Disease: a pilot study

Marinko Sarunic

Simon Fraser University
\$150,000

Non-invasive imaging of Alzheimer's Disease biomarkers in the brain and eye

This project is jointly funded by the Alzheimer Society Research Program (ASRP) and the Pacific Alzheimer Research Foundation (PARF)

Tom Schweizer

St. Michael's Hospital
\$149,926

Driving in Alzheimer's disease and Mild Cognitive Impairment: An immersive MRI study

David Vocadlo

Simon Fraser University
\$150,000

Protective mechanism of O-glycosylation inhibitors in Alzheimer disease.

Biomedical New Investigator Grants

Chantelle Sephton

Laval University

\$225,000

Post-transcriptional Regulation of RNA by TDP-43 and FUS in FTLD.

Hideto Takahashi

Institut de recherches cliniques de Montréal (IRCM)

\$225,000

Roles of synaptogenic cell-adhesion complexes in synapse loss and preservation in Alzheimer's disease

Quality of Life Post-Doctoral Awards

Sienna Casper

University of Toronto

\$83,000

Implementing a responsive leadership intervention in residential care facilities: A feasibility study

Jessica Pace

McMaster University

\$83,000

Visualizing dementia: Using photovoice to document and understand southern and central Labrador Inuit experiences with Alzheimer's disease and dementia

Quality of Life Grants

Alison Phinney

University of British Columbia

\$119,870

Promoting Social Citizenship for People with Dementia through Community-Based Programming

Teresa Liu-Ambrose

University of British Columbia

\$119,938

Falls in Mild Cognitive Impairment: An Indicator of Increased Dementia Risk?

Dawn Guthrie

Wilfrid Laurier University

\$119,998

The development of a screening tool for caregiver burden in home care

Normand Teasdale

Laval University

\$119,113

Improving driving skills in persons with mild cognitive impairment

Quality of Life New Investigator Grants

Frank Rudzicz

University of Toronto

\$180,000

Software to engage individuals with Alzheimer's disease in conversation in support of speech therapy