

Research Grants and Training Awards 2012-2013

The Alzheimer Society Research Program (ASRP) celebrates 25 years of funding Canadian researchers in the field of Alzheimer's disease and other dementias. We are pleased to announce the following 2013 ASRP grants and awards:

- Biomedical Doctoral and Post-doctoral Awards
- Biomedical Grants
- Quality of Life Doctoral and Post-doctoral Awards
- Quality of Life Grants

We would like to acknowledge and thank our donors and partners in these grants and awards, including, Mrs. Pauline Spatz, Paul Higgins Jr. and Michael Higgins (co-CEOs of Mother Parkers Tea & Coffee), the Firefly Foundation and, the Pacific Alzheimer Research Foundation (PARF).

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 Chapters (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 2012-2013 granting year:

Contents

Biomedical Doctoral Awards	4
Wai Hang Cheng	4
Mahwesh Saleem	4
Leah Cuddy	4
Daniel Felsky.....	4
Anthony Dudilot.....	4
Maya Dickler	4
Biomedical Post-Doctoral Awards.....	4
Chenjie Xia	4
Ido Strauss	5
Liesel-Ann Meusel	5
Razieh Eskandari	5
Zhongxiao Wan	5
Anastasia Noel.....	5
Biomedical Grants	5
Sébastien Hébert.....	5
Cheryl Wellington.....	6
Margaret Fahnestock	6
Benjamin Blencowe	6
William Jia.....	6
Ging-Yuek Hsiung	6
	2

Kari Hoffman	6
Maria Natasha Rajah.....	7
Edith Hamel.....	7
Stephane Lefrancois	7
Susan George	7
Tiina Kauppinen.....	7
Biomedical Young Investigator Grants.....	7
Lisa Munter	7
Quality of Life Doctoral Awards	8
Nicole Carson.....	8
Chun Liang Hsu.....	8
Quality of Life Post-Doctoral Awards.....	8
Pooja Viswanathan.....	8
Renée Biss.....	8
Carlos Roncero.....	8
Quality of Life Grants	9
Sherry Dupuis.....	9
Roger Butler.....	9
Vanessa Taler	9
George Heckman	9
Anne Bourbonnais.....	9
Isabelle Rouleau	9
Quality of Life Young Investigator Grants	10
Simona Maria Brambati	10
Dominique Giroux	10

Biomedical Doctoral Awards

Wai Hang Cheng

University of British Columbia

\$ 73,500

The interaction of mild repetitive traumatic brain injury and apolipoproteinE (apoE) genotype on the development and progression of Alzheimer's disease (AD)

Recipient of the Dr. And Mrs. Albert Spatz Doctoral Award

Mahwesh Saleem

University of Toronto

\$ 66,000

Ceramides and Response to Exercise in a Cognitively At-risk Population

Leah Cuddy

University of Western Ontario

\$ 44,000

Regulation of the high-affinity choline transporter activity and trafficking by its association with lipid rafts

Daniel Felsky

University of Toronto

\$ 66,000

Neuroimaging and Genetics to Detect Early Neural Risk for Alzheimer's Disease

Anthony Dudilot

University of Montreal

\$ 66,000

Implication of Regulator of Calcineurin1 (RCAN1) on the abnormal synaptic transmission and plasticity in Alzheimer disease

Maya Dickler

Université Laval

\$ 66,000

Effects of anesthesia on the pathological markers of Alzheimer's disease

Biomedical Post-Doctoral Awards

Chenjie Xia

Harvard University

\$ 103,000

Affective processing in behavioural variant frontotemporal dementia

Ido Strauss

University of Toronto

\$ 51,500

The neuromodulatory effect of deep brain stimulation of the fornix on memory networks in Alzheimer's disease

Recipient of the Firefly Spark Award

Liesel-Ann Meusel

University of Toronto

\$ 100,000

Resting-State Network Connectivity in Older Adults with Impaired Fasting Glucose and Type 2 Diabetes Mellitus

Recipient of the Firefly Spark Award

Razieh Eskandari

Simon Fraser University

\$ 83,000

Improved Molecular Probes to Evaluate the Role of Glycosylation in Alzheimer Disease

Zhongxiao Wan

University of British Columbia

\$ 83,000

Adiponectin as a novel mechanism linking obesity to increased risk of Alzheimer's disease

Anastasia Noel

Université Laval

\$ 83,000

Repeated mild craniocerebral trauma: Impact on tau pathology and effects of an LXR agonist

Biomedical Grants

Sébastien Hébert

Université Laval

\$150,000

In vivo study of miR-132 dysfunction in sporadic Alzheimer's disease

Cheryl Wellington

University of British Columbia

\$149,565

Revisiting the vascular contribution to Alzheimer's Disease

This project is jointly funded by the Alzheimer Society Research Program and the Pacific Alzheimer Research Foundation

Margaret Fahnestock

McMaster University

\$150,000

Role of Tau in BDNF Down-Regulation in Alzheimer's Disease

Benjamin Blencowe

University of Toronto

\$150,000

Investigating the Function of Alternative Splicing Regulatory Networks Misregulated in Alzheimer's Disease

William Jia

University of British Columbia

\$150,000

Stress-related cytoplasmic TDP-43 aggregation and its role in neuronal apoptosis in a cell culture model of PGRN deficiency Alzheimer's Disease

This project is jointly funded by the Alzheimer Society Research Program and the Pacific Alzheimer Research Foundation

Ging-Yuek Hsiung

University of British Columbia

\$150,000

Characterization of Dementia due to mixed Alzheimer and Subcortical Vascular Pathology

This project is jointly funded by the Alzheimer Society Research Program and the Pacific Alzheimer Research Foundation

Kari Hoffman

York University

\$149,240

Memory and neural circuit function following direct stimulation treatment for Alzheimer's disease

Maria Natasha Rajah

McGill University

\$100,000

Neural correlates of context memory in middle aged adults with vs. without a family history of late onset Alzheimer's Disease

Edith Hamel

McGill University

\$149,999

Hypertension as an exacerbating contributor to cerebrovascular and memory deficits in Alzheimer's disease

Stephane Lefrancois

Université de Montreal

\$150,000

Characterization of a novel therapeutic target for the treatment of Alzheimer's disease

Susan George

University of Toronto

\$150,000

Reduced BDNF signaling in cortical parvalbumin-positive inhibitory interneurons underlies cognitive impairment in Alzheimer's disease: Therapeutic role for dopamine D5 receptors

Tiina Kauppinen

University of Manitoba

\$149,600

The role of PARP-1 as a modulator for microglial functions in Alzheimer's disease

Biomedical Young Investigator Grants

Lisa Munter

McGill University

\$225,000

Lipid/APP metabolism as a new target for therapeutic exploration in Alzheimer's disease

Quality of Life Doctoral Awards

Nicole Carson

York University

\$66,000

Promoting Autobiographical Memory in amnesic Mild Cognitive Impairment with the Self-Reference Effect

Chun Liang Hsu

University of British Columbia

\$66,000

Is a history of falls indicative of increased dementia risk?

Quality of Life Post-Doctoral Awards

Pooja Viswanathan

University of Toronto

\$83,000

A Wizard-of-Oz Study to Inform the Design of An Intelligent Wheelchair for Long-Term Care Residents with Dementia

Renée Biss

Baycrest Centre for Geriatric Care

\$83,000

Co-opting implicit strategies to boost memory for face-name associations in individuals with amnesic mild cognitive impairment

Carlos Roncero

McGill University

\$83,000

Anomia in Alzheimer's Disease: What causes an inability to name objects and how could the situation be improved?

Quality of Life Grants

Sherry Dupuis

University of Waterloo

\$120,000

Enhancing Person-Centred and Relational Care through Research-Based Drama

Roger Butler

Memorial University of Newfoundland and Labrador

\$26,160

Telegerontology: A novel approach to optimize health and safety and to "age in place" among people with dementia in Newfoundland and Labrador

Vanessa Taler

University of Ottawa

\$117,564

Cognitive function and neuropsychological assessment in bilingual MCI and AD

George Heckman

University of Waterloo

\$95,169

Ensuring High Quality Care for Canadians with Alzheimer's Disease and Related Disorders: Developing Quality Assurance and Standardized Care Processes for Primary Care Memory Clinics

Anne Bourbonnais

Université de Montreal

\$118,978

Pilot evaluation of an intervention approach based on the meaning of screaming in persons with Alzheimer's disease

Isabelle Rouleau

Université du Québec à Montréal

\$114,642

Prospective memory in mild cognitive impairment: assessment and management

Quality of Life Young Investigator Grants

Simona Maria Brambati

Universite de Montreal

\$112,399

Differentiating language symptoms and anatomical features in Alzheimer's disease and semantic variant of primary progressive aphasia

Dominique Giroux

Université Laval

\$77,171

Evaluation of the capacity of elderly persons with cognitive deficits to care for themselves and administer their property: validation of a computer-based decision model to guide health professionals and social services