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
- 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
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

Wai Hang Cheng
Mahwesh Saleem
Leah Cuddy
Daniel Felsky
Anthony Dudilot
Maya Dickler

Biomedical Post-Doctoral Awards

Chenjie Xia
Ido Strauss
Liesel-Ann Meusel
Razieh Eskandari
Zhongxiao Wan
Anastasia Noel

Biomedical Grants

Sébastien Hébert
Cheryl Wellington
Margaret Fahnestock
Benjamin Blencowe
William Jia
Ging-Yuek Hsiung
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 amnestic 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 amnestic 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 Montréal  
$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