Research Grants and Training Awards
2009-2010

In this, the 21st anniversary year of the Alzheimer Society Research Program, we are pleased to announce the following incentive grants and awards:

- Alzheimer Society of Canada/CIHR - Institute of Aging Fellowship Awards in Mobility and Dementia
- CIHR Institute of Aging – Alzheimer Society of Canada Collaborative Research to Action in Dementia Grants
- Dr. and Mrs. Albert Spatz Doctoral Award
- Dr. and Mrs. Albert Spatz Special Award for Music and Dementia Studies
- Firefly Spark Award
- Fonds de la recherche en santé du Québec and Alzheimer Society of Canada Partnership Program Trainee Awards
- Research Program on Care Practice in Cognitive Impairment in Aging
- Research Training Awards Program on Knowledge Translation and Dementia

We would like to acknowledge and thank our partners in these awards: the Canadian Institutes of Health Research - Institute of Aging (CIHR-IA), Fonds de la recherche en santé du Québec (FRSQ), the Canadian Dementia Knowledge Translation Network (CDKTN), the Canadian Nurses Foundation (CNF), the Canadian Institutes of Health Research - Institute of Circulatory and Respiratory Health (CIHR-ICRH), the Canadian Institutes of Health Research - Institute of Health Services and Policy Research (CIHR-IHSPR), the Heart and Stroke Foundation of Canada (HSFC), Parkinson Society Canada (PSC), the Canadian Home Care Association (CHCA), Mrs. Pauline Spatz and the Firefly Foundation.

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)
The Peer Review Panels met in January 2009 to assess the applications received. Based on excellence and relevance, the following grants and awards were approved for the 2009-2010 granting year:

**Contents**

Research Grants and Training Awards 2009-2010

Biomedical Research Grants

Krieger, Charles

Lavoie, Christine

Paudel, Hemant

Weaver, Donald

Biomedical Young Investigator Awards

Boehm, Jannic

Kerman, Kagan

Biomedical Post-Doctoral Awards

Bertrand, Johanne

Donkin, James

Drozd, John

Lacoste, Baptiste

Biomedical Doctoral Awards

Arsenault-Lapierre, Geneviève

Blanchard, Alexandre

Boridy, Sebastien

Medehouenou, Marc

Swardfager, Walter

Telpoukhovskaia, Maria

Yuzwa, Scott
Biomedical Research Grants

**Krieger, Charles**  
Simon Fraser University  
$80,000  
**Bone marrow-derived cells reduce amyloid plaque in Alzheimer’s disease**

**Lavoie, Christine**  
Université de Sherbrooke  
$150,000  
**The role of LRP9 in β-amyloid precursor protein trafficking and processing**

**Paudel, Hemant**  
Lady Davis Institute  
$150,000  
**EGR-1 and Alzheimer's disease**

**Weaver, Donald**  
Dalhousie University
$150,000
Design and optimization of disease altering drugs for Alzheimer's disease

Biomedical Young Investigator Awards

Boehm, Jannic  
Université de Montréal  
$90,000  
Insulin and GSK3beat in Alzheimer's disease

Kerman, Kagan  
University of Toronto  
$84,000  
Development of novel bioanalytical techniques for the investigation of amyloid formation

Biomedical Post-Doctoral Awards

Bertrand, Johanne  
Université de Montréal  
$81,000  
Supervisor: Dr. Nicole Leclerc  
Contribution of age related events to tau hyperphosphorylation and dysfunction

Donkin, James  
University of British Columbia  
$100,000  
Supervisor: Dr. Cheryl Wellington  
The role of ABCA1 in mediating the beneficial effects of GW3965 on biochemical and cognitive outcomes in the APP/PSI mouse model of Alzheimer's disease  
Recipient of the Ray Congdon Post-Doctoral Fellowship Award

Drozd, John  
Robarts Research Institute  
$81,000  
Supervisor: Dr. Robert Bartha  
Early detection of Alzheimer's disease

Lacoste, Baptiste  
Montreal Neurological Institute, McGill University  
$81,000  
Supervisor: Dr. Edith Hamel  
Morphological and functional evaluations for kinin B1 receptor involvement in the pathophysiology of Alzheimer's disease
Biomedical Doctoral Awards

Arsenault-Lapierre, Geneviève
Lady Davis Institute
$41,060
Supervisors: Dr. Howard Chertkow and Dr. Sonia Lupien
Longitudinal study of the neuropsychological, neuroanatomical and salivary cortisol profiles of individuals with mild cognitive impairment
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.

Blanchard, Alexandre
University of Ottawa
$41,060
Supervisors: Dr. Steffany Bennett and Dr. Daniel Figeys
The role of glycerophospholipid second messengers in signaling tau pathology in Alzheimer’s disease pathology

Boridy, Sebastien
McGill University
$46,060
Supervisor: Dr. Dusica Maysinger
Prevention of amyloid-beta oligomer pathology by artificial chaperones in Alzheimer’s disease: a novel therapeutic intervention
Recipient of the Dr. and Mrs. Albert Spatz Doctoral Award

Medehouenou, Marc
Université Laval
$41,060
Supervisor: Dr. Danielle Laurin
Exposure to environmental contaminants and risk of cognitive impairments among seniors in Canada
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.

Swardfager, Walter
University of Toronto
$41,060
Supervisor: Dr. Krista Lanctôt
Cognitive and neuroanatomical correlates of kynurenine elevation in early vascular cognitive impairment
Telpoukhovskaia, Maria  
University of British Columbia  
$41,060  
Supervisor: Dr. Chris Orvig  
**Glycosylated pro-drugs for metal passivation in Alzheimer's disease**

Yuzwa, Scott  
Simon Fraser University  
$41,060  
Supervisor: Dr. David Vocadlo  
**The function of O-GlcNAc on tau and its potential as a diagnostic tool for Alzheimer’s disease**

**Quality of Life Research Grants**

Cuddy, Lola  
Queen's University  
$21,000  
**Musical memory and Alzheimer’s disease**  
*Recipient of the Dr. and Mrs. Albert Spatz Special Award for Music and Dementia Studies*

Hudon, Carol  
Université Laval  
$119,991  
**Associations between depressive symptoms and episodic memory function in elderly patients with mild cognitive impairment**

Jacklin, Kristen  
Northern Ontario School of Medicine, Laurentian University  
$119,203  
**Cultural perceptions of dementia among aboriginal peoples in Ontario**

Letts, Lori  
McMaster University  
$107,819  
**Pilot study of the environmental skill building program for dementia caregivers**

MacCourt, Penny  
University of Victoria  
$120,000  
**Disenfranchised grief and dementia: a coaching intervention to empower Caregivers**

Wiersma, Elaine  
Lakehead University  
$36,363  
**Understanding Dementia in Rural Northern Communities**
Quality of Life Post-Doctoral Awards

Fallah, Nader
Dalhousie University
$81,000
Supervisors: Dr. Kenneth Rockwood and Dr. Arnold Mitnitski
Translating from a stochastic model of ageing to clinically observable events in older adults at risk for cognitive impairment

Gandini, Delphine
Centre de recherche de l'Institut universitaire de gériatrie de Montréal (CRIUIGM)
$81,000
Supervisor: Dr. Sven Joubert
Influence of visuo-spatial abilities on the processing of faces: a study in patients with Alzheimer's disease and patients with Lewy-body dementia

Gottlieb-Tanaka, Dalia
University of British Columbia
$81,000
Supervisor: Dr. Peter Graf
Creative expression activities programs for seniors with dementia: best practices

Imbeault, Hélène
Centre de recherche sur le vieillissement (CDRV) du Centre de santé et services sociaux-Institut universitaire de gériatrie de Sherbrooke (CSSS-IUGS)
$81,000
Supervisors: Dr. Lise Gagnon and Dr. Nathalie Bier
Use of an electronic agenda in patients with Alzheimer's disease

Potvin, Olivier
Université de Sherbrooke
$100,000
Supervisors: Dr. Michel Préville and Dr. Carol Hudon
Development of a biopsychosocial predictive model for the onset of cognitive impairment among elderly people living in the community
This project is jointly funded by the Alzheimer Society Research Program (ASRP) and the Fonds de la recherche en santé du Québec (FRSQ) through the FRSQ and ASC Partnership Program.

Rowe, Gillian
Baycrest Centre for Geriatric Care
$100,000
Supervisor: Dr. Angela Troyer
Use of implicit processes to support autobiographical and prospective memory in amnestic mild cognitive impairment and Alzheimer's disease
Recipient of the Firefly Spark Award, with funding from the Firefly Foundation
Tung, James
University of Waterloo
$81,000
Supervisor: Dr. Eric Roy
Evaluation of ambulatory gait analysis in Alzheimer's disease from continuous free-living behaviour
This project is jointly funded by the Alzheimer Society Research Program (ASRP) and the Canadian Institutes of Health Research Institute of Aging (CIHR-IA) through the ASC-CIHR-IA Fellowship Awards in Mobility and Dementia.

Quality of Life Doctoral Awards

Callahan, Brandy
Université Laval
$41,060
Supervisor: Dr. Carol Hudon
Emotional episodic memory bias in individuals at risk for developing Alzheimer's disease