

Research Grants and Training Awards 2009-2010

In this, the 21th 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)

- Federation of Quebec Alzheimer Societies and Chapters (Bas Saint-Laurent, Centre du Québec, l'Estrie, Haut-Richelieu, Laurentides, Laval, Maskoutains-Vallée des Patriotes, Montréal, Outaouais québécois, Rouyn-Noranda, 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

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:

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Biomedical Research Grants

Krieger, Charles

Simon Fraser University

\$80,000

Bone marrow-derived cells reduce amyloid plaque in Alzheimer's disease

Lavoie, Christine

Universit  de Sherbrooke

\$150,000

The role of LRP9 in  -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 (CRIUGM)

\$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 Prévaille 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 amnesic 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