

# Research Grants and Training Awards 2008 - 2009

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In this, the 20<sup>th</sup> anniversary year of the Alzheimer Society Research Program, we are pleased to announce the following new incentive grants and awards:

- Alzheimer Society of Canada/CIHR Institute of Aging Fellowship in Mobility and Dementia
- Alzheimer Society of Saskatchewan Post Doctoral Fellowship
- Great-West Life, London Life and Canada Life Young Investigator Award
- Len Cullen Memorial Award

We would like to acknowledge and thank our partners in these awards: Alzheimer Society of Saskatchewan, Canadian Institutes of Health Research, The CIHR Institute of Aging (CIHR IA), The Canadian Nurses Foundation (CNF), Fonds de la recherche en santé du Quebec and Great-West Life, London Life and Canada Life.

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 2008 to assess the applications received. On recommendation of the Research Policy Committee, the Board of Directors approved the following grants & awards for the 2008-2009 granting year:

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## Biomedical Research Grants

### Albensi, Benedict

St. Boniface Research Centre

\$150,000

#### **Hippocampal Gene Expression Profiling and the Possible Involvement of Homer1 in Alzheimer's disease**

*The first year of this award (\$75,000) is funded by The Alzheimer Society Of Manitoba.*

### Aubert, Isabelle

Sunnybrook Health Sciences Centre

\$74,479

#### **Septohippocampal cholinergic re-innervations as a treatment strategy for AD**

### Chakravarthy, Balu

Carleton University

\$147,640

#### **Studies of the efficacy of $\beta$ -amyloid binding peptides (ABPs) in reducing A $\beta$ -toxicity in vitro and amyloid burden in Alzheimer's Disease (AD) transgenic mouse model**

### Leclerc, Nicole

University of Montreal

\$150,000

#### **The role of tau-membranous associations in the process of neurodegeneration**

**Posse de Chaves, Elena**

University of Alberta

\$150,000

**Cholesterol and apoE in the Regulation of A $\beta$ -induced axonal degeneration and neuronal death**

**Biomedical Young Investigator Awards**

**Allison, W. Ted**

University of Alberta

\$50,000

**Animal models of Alzheimer Disease: zebrafish as a powerful tool to study protein function**

*Recipient of the Great-West Life, London Life and Canada Life Young Investigator Award*

**Fernandes, Karl**

University of Montreal

\$60,000

**Neural progenitor migration patterns in a transgenic model of Alzheimer's disease**

*This Young Investigator Grants Program is funded by The Alzheimer Society of Saskatchewan.*

**Biomedical Post Doctoral Awards**

**Bagshaw, Richard**

Mount Sinai Hospital

\$81,000

Supervisor: Tony Pawson

**Identification and characterization of RhoGEFs and RhoGAPs in Amyloid Precursor Protein processing**

**Biomedical Doctoral Awards**

**Barker, Jennifer Marie**

University of British Columbia

\$41,060

Supervisor: Dr. Lisa Galea

**The effects of estradiol on adult hippocampal neurogenesis and memory**

**El Hayek, Joussef**

Toronto Western Hospital

\$41,060

Supervisor: Dr. Peter Carlen

**Aggravation of Hypoxic Neuronal Injury in Alzheimer's disease**

**Goggin, Kevin**

University of Laval

\$41,060

Supervisor: Dr. Georges Levesque

**Role fonctionnel de l'interaction entre les secretases dans la maladie d'Alzheimer**

*This project is jointly funded by the Alzheimer Society of Canada (ASC) Fonds de la recherche en santé du Québec (FRSQ)*

**Julien, Carl**

Universite Laval

\$41,060

Supervisor: Dr. Frederic Calon

**Study of impact of polyunsaturated fatty acids on oxidative stress, dentritic pathology and synaptic function in brain in Alzheimer's disease.**

*This project is jointly funded by the Alzheimer Society of Canada (ASC) Fonds de la recherche en santé du Québec (FRSQ)*

**Yiu, Adelaide**

Hospital for Sick Children

\$41,060

Supervisor: Dr. Sheena Josselyn

**Memory Deficits in Alzheimer's Disease: A possible Role of CREB?**

**Social & Psychological Research Grants**

**Bialystok, Ellen**

York University

\$94,826

**The effect of Lifelong Bilingualism on the Onset and Progression of Alzheimer's**

**Cole, Ardra**

University of Toronto

\$147,782.98

**The Care Café: Understanding Caregiving and Alzheimer Disease Across Canada**

**Ducharme, Francine**

Institut universitaire de gériatrie de Montréal

\$174,176

**Longitudinal study of a family carer cohort participating in a psycho-educational intervention at “career onset”: Evaluation of the program’s persistent and delayed effects**

*This project is jointly funded by the Alzheimer Society of Canada (ASC), and the Canadian Nurses Foundation (CNF).*

**Fischer, Corrine/Schweizer, Tom**

St. Michael’s Hospital

\$122,085.05

**Determining the Impact of Delusions on Functional Impairment in patients with Alzheimer’s Disease**

**McAiney, Carrie**

McMaster University

\$34,315.04

**Early Referral for Support of Dementia Caregivers: Evaluation of the First Link Demonstration Project**

**Naglie, Gary**

Toronto Rehabilitation Institute

\$150,000

**Assessing Driving in Persons with Mild Cognitive Impairment and Mild Dementia**

**Simard, Martine**

Laval University

\$145,386.30

**A randomized Cross-Over Controlled Study of Cognitive Training for Instrumental Activities of Daily Living in Alzheimer’s disease**

**Social & Psychological Post Doctoral Awards**

**Seitz, Dallas**

Baycrest Centre for Geriatric Care

\$100,000

Supervisor: Dr. Paula Rochon

**Acetyl cholinesterase Inhibitors and Postoperative Outcomes**

**Slaughter, Susan**

\$81,000

University of Calgary

Supervisor: Dr. Carole Estabrooks

**Optimizing the functional mobility of people with dementia who live in a long term care facility**

*Recipient of the Alzheimer Society of Canada/CIHR Institute of Aging Fellowship in Mobility Dementia Award*

**Social & Psychological Doctoral Awards**

**Caines, Megan**

\$41,060

University of Victoria

Supervisor – Dr. Holly Tuokko

**The Needs of Caregivers of Individuals with Atypical Forms of Dementia**

**Thivierge, Stephanie**

\$41,060

University of Laval

Supervisor: Dr. Martine Simard

**Randomized Controlled Study to Assess Efficacy of Errorless Learning and Spaced-Retrieval Techniques to Re-learn a Procedural Task Tailored on the Needs of Patients with Alzheimer's Disease**

*This project is jointly funded by the Alzheimer Society of Canada (ASC) Fonds de la recherche en santé du Québec (FRSQ)*

**Wilson, Rozanne**

\$60,000

University of Toronto

Supervisor: Elizabeth Rochon

**Communicating with individuals with Alzheimer's disease: Exploring successful communication strategies used by formal caregivers interacting with residents in a long-term care facility during an activity of daily living.**

*Recipient of the Len Cullen Memorial Award*