

**Grace M. Egeland, Ph.D.**  
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**Education:**

Ph.D. 1989      Chronic Disease Epidemiology, Department of Epidemiology, Graduate School of Public Health, University of Pittsburgh, Pittsburgh, PA, 1984-1989.

New England Epidemiology Institute, Boston, Massachusetts, Summer Program 1987.

Doctoral Dissertation: Hormone Replacement Therapy and Cardiovascular Risk Factor Changes Through the Menopausal Transition, 1989.

B.A. 1981      Luther College, Decorah, Iowa, 1977-1981.

**Professional Experience:**

Present                      Canada Research Chair, 2002-present  
Associate Professor, McGill University, Center for Indigenous Peoples' Nutrition and Environment and School of Dietetics and Human Nutrition, Macdonald Campus, Ste.-Anne-de-Bellevue, Quebec, Canada.

1999 to 2001                Researcher and Instructor, Dept. of Public Health and Primary Health Care, University of Bergen, Bergen, Norway.

1998 to 1999                Consultant (State of Alaska, Section of Epidemiology, Anchorage, Alaska; and The National Health Screening Service of Norway, Oslo, Norway).

1994 to 1997                Program Manager, Environmental Health, Section of Epidemiology, State of Alaska, Department of Health and Social Services (DHSS) Anchorage, Alaska.

1989 to 1994                Epidemiologist, U.S. Centers for Disease Control and Prevention (CDC).

Senior Epidemiologist (91-94), Division of Birth Defects and Developmental Disabilities, National Center for Environmental Health, Alaska Office, CDC.

Epidemic Intelligence Service Officer (89-91), National Institute for Occupational Safety and Health (NIOSH), Cincinnati, OH, CDC.

### **Professional Awards, Fellowships, and Distinctions:**

Canada Research Chair, 2002-2007, Renewal Award 2007-2012  
Canadian Society for Circumpolar Health Travel Stipend Award, 2003  
Albrecht-Milan Foundation Stipend Award, 1997  
Alice Hamilton Science Award for Occupational Safety and Health - Honorable Mention, 1995  
The Unit Commendation Award, U.S. Public Health Service, 1992  
The Achievement Medal, U.S. Public Health Service, 1991  
Outstanding Young Women of America, 1991  
Arthritis Foundation, Western Pennsylvania Chapter Grant Award, 1989.  
Elected, Delta Omega Honor Society, 1989  
Outstanding Student Award, University of Pittsburgh, 1989  
National Dean's List, 1987 and 1988  
U.S. Public Health Service Predoctoral Research Fellowship, 1987-1989  
Academic Grant Award, Graduate School of Public Health, University of Pittsburgh, 1984

### **Recent Funding (Past 5 years):**

#### **Principal Investigator:**

**Health Canada, Contribution Agreement**, 2007, Inuit Health and Resiliency (\$1 million)

**International Polar Year, Canadian Federal Program**, 2007-2011, Inuit Health and Resiliency (\$6.4 million research award and \$3.7 million to Canadian Coast Guard for logistics support)

**CIHR-Operating Grant, 2005-2008.** Community Initiative in Country Food Health Promotion in Pangnirtung. (\$225,000).

**SSHRC Northern Research Development Program, 2005-2007.** Listening and Learning: Understanding the Inuit Perspective on Food and Health (\$40,000).

**Niskamoon Corporation.** Chichaschiinuu: A Multi-Community Environment-and-Health Longitudinal Study in Iiyiyiu Aschii, 2005. Egeland serves as lead for CINE component of a tri-university research project coordinated by the Cree Board of Health (CINE/McGill Budget \$78,000).

**Arctic Net, 2005** (Baffin Component of Dietary Transition- development of work for CCGS Amundsen Voyage for Inuit Health Voyage) (\$48,000).

**Arctic Net, 2006-2007.** Changes in diet and environment and development of work for CCGS Amundsen Voyage for Inuit Health Survey (\$80,000).

**McGill MaxBell Program, 2004 – 2007.** Improving the Health and Health Care Services in Aboriginal Communities Across Northern Canada (\$120,000).

**CIHR-Operating Grant, 2003 – 2006.** Diabetic Pregnancies: Longitudinal Follow-up of Mother-offspring Pairs (\$373,388).

**The Cree Euyou Namsess Grant Award, 2003-2005.** Fish and Fat in Cree Communities (\$72,000).

**CIHR-Aboriginal Capacity and Developmental Research Environment Planning Grant, 2002** (\$50,000).

**Canada Research Chair, 2002 – 2007** (\$100,000/yr). **Renewal 2007-2012** (\$100,000).

**Canadian Foundation for Innovation Award, 2002 – 2007** (\$121,745 includes matching funds).

**Canadian Foundation for Innovation Award, 2008 – 2012** (amount to be finalized).

**Co-investigator:**

**CIHR 2006 – 2011.** CIHR Team Grant in Circumpolar Health Research: Averting Emerging Chronic Diseases in Northern Populations (\$ 300,000/year average toward Egeland's research component).

**CIHR, 2005 – 2008.** Effectiveness of a community intervention program on food security and dietary quality (\$225,000).

**CIHR, 2004 – 2008.** Indicators for Health Promotion with Indigenous Peoples: A Global Health Project (\$500,000).

**CIHR, 2005 – 2008.** Aguaruna and Ingano Food System Interventions: Culture, Environment and Health (\$390,000).

**CIHR, 2005 – 2006.** Inuit Health in Transition Study: Omega-3 Fatty acids and Oxidative Stress and Diabetic Inuit Subjects (\$89,565).

**CIHR, 2005 – 2006.** Mentors-in-Motion: A physical activity intervention for obese adolescents (pilot study) (\$50,000).

**CIHR, 2003 – 2005.** Inuit Dietary Assessment (\$77,784).

**Network of Centers of Excellence: Arctic-NET.** The integrated natural, medical, social study of the changing Canadian Arctic (\$2.7 million/year up to 7 years, \$30-80,000/yr. to Egeland depending upon activities).

**CIHR, 2003 – 2004.** Food Security in Nunavut: Traditional and Market Foods (\$100,000).

**CIHR, 2003 – 2004.** Global Health Research Program Development (\$100,000).

***Publications submitted:***

**Egeland GM** and Meltzer SJ. Nature and Nurture - Following in Mom's footsteps: The Montreal Mother-Daughter Gestational Diabetes Cohort (submitted).

Meltzer SJ and **Egeland GM.** Risks persist at 15-years post-partum for normoglycemic women with a history of GDM (submitted).

Bird S, Wiles J, Okalik L, Kilabuk J, **Egeland GM.** Methodological Considerations of Story Telling in Qualitative Research Involving Indigenous Peoples.

Zhou Y, **Egeland GM**, Meltzer SJ, Kubow S. The association of desaturase 9 and plasma fatty acid composition with insulin resistance and adiposity in female adolescents (submitted).

Gallo S, Meltzer SJ, Legault L, Kubow S, **Egeland GM**. Plasma fatty acids and desaturase activity are associated with circulating adiponectin in health adolescent girls (submitted).

Dénomme D, Kuluguqtuq Johnny, Plourde Hugues, **Egeland GM**. International Physical Activity Questionnaire in a Baffin Inuit Community: A Pilot Assessment (submitted).

**Peer Reviewed Papers *published or in press*:**

58. Chateau-Degat ML, Dewailly E, Poirier P, Gingras S, **Egeland GM**. Comparison of diagnostic criteria of the metabolic syndrome in three ethnic groups in Canada. *Metabolism* (in press).
57. **Egeland GM**, Dénomme D, Lejeune P, Pereg D. Concurrent Validity of the International Physical Activity Questionnaire (IPAQ) in an Iiyiyiu Aschii (Cree) Community *Canadian Journal of Public Health*, in press.
56. **Egeland GM**, G Charbonneau-Roberts, J Kuluguqtuq, J Kilabuk, L Okalik, R Soueida and HV Kuhnlein. Chapter 8: Back to the Future - Using Traditional Food and Knowledge to Promote a Healthy Future among Inuit. In: HV Kuhnlein, B Erasmus and D Spigelski, eds. Indigenous Peoples' Food Systems: the many dimensions of culture, diversity, environment and health. *Food and Agriculture Organization of the United Nations* (2008, in press).
55. Bird SM, Wiles JL, Okalik L, Kilabuk J, **Egeland GM**. Living with diabetes on Baffin Island: Inuit story tellers share their experiences. *Canadian Journal of Public Health* 2008; 99(1):17-21.
54. Richmond C, Ross N, **Egeland GM**. Societal resources and thriving health: A new approach for understanding the health of Indigenous Canadians. *American Journal of Public Health* 2007; 97(10):1827-33.
53. Charbonneau-Roberts G, Young K, Egeland GM. Inuit anthropometry and insulin resistance. *International Journal of Circumpolar Health*, 2007; 66(2):129-134.
52. Chan HM, Fediuk K, Hamilton S, Rostas L, Caughey A, Kuhnlein H, **Egeland GM**, Loring E. Food security in Nunavut, Canada: barriers and recommendations. *International Journal of Circumpolar Health* 2006; 65(5):416-31.
51. Schmid MA, **Egeland GM**, Salomeyesudas B, Satheesh PV, Kuhnlein HV. Traditional food consumption and nutritional status of Dalit mothers in rural Andhra Pradesh, South India, *European Journal of Clinical Nutrition*, 2006; 60:1277-1283.
50. Hutcheon JA, Platt RW, Meltzer SJ, **Egeland GM**. Is birth weight modified during pregnancy? Using sibling differences to understand the impact of blood glucose, obesity, and maternal weight gain in gestational diabetes. *American Journal of Obstetrics and Gynecology* 2006; 195(2): 488-94.

49. Charbonneau G, Saudny-Unterberger H, Kuhnlein HV, **Egeland GM**. Body mass index may overestimate the prevalence of overweight and obesity among the Inuit. *International Journal of Circumpolar Health* 2005; 64:163-169.
48. Nakano T, Fediuk K, Kassi N, **Egeland GM**, Kuhnlein HV. Dietary Nutrients and anthropometry of Dene/Métis and Yukon children. *International Journal of Circumpolar Health* 2005; 64(2):137-146.
47. Kuhnlein HV, Chan L.H.M. Egeland GM, Receveur O. Canadian Arctic Indigenous Peoples, traditional food systems, and POPs. *SENRI Ethnological Studies* 2005; 67: 391-408.
46. Arbour L, Gilpin C, Millor-Roy V, Pekeles G, **Egeland GM**, Hodgins S, Eydoux P. Heart defects and other malformations in the Inuit in Canada: a baseline study. *International Journal of Circumpolar Health* 2004; 63(3):251-66.
45. **Egeland GM**, Kuhnlein HV, Berti P, Soueida R, Arbour L. Age differences in Vitamin A intake Among Canadian Inuit. *Canadian Journal of Public Health* 2004; 95(6):465-469.
44. **Egeland GM**. From talking circles to telehealth. Forward to Proceedings of the 12<sup>th</sup> International Congress on Circumpolar Health, September 10-14, 2003. Nuuk, Greenland. *International Journal of Circumpolar Health* Supplement 2/2004.
43. Kuhnlein HV, Receveur O, Soueida R, **Egeland GM**. Arctic Indigenous Peoples experience the nutrition transition with changing dietary patterns and obesity. *Journal of Nutrition* 2004; 124:1447-1453.
42. Chan HM, **Egeland GM**. Fish Consumption, Mercury Exposure and Heart Disease. *Nutrition Reviews* 2004; 62 (2):68-72.
41. Hollund BE, Moen BE, **Egeland GM**, Florvaag E, Omenaas E. Prevalence of airway symptoms and total serum-IgE among hairdressers in Bergen. *Journal of Occupational Environmental Medicine* 2003 Nov;45(11):1201-6.
40. **Egeland GM**, Tverdal A, Selmer RM, Meyer HE. Socioeconomic status and coronary heart disease risk factors and mortality: Married residents, three counties, Norway. *Norsk Epidemiologi* 2003; 13 (1): 155-162.
39. Kuhnlein HV, Chan HM, Receveur O, **Egeland GM**. Canadian Arctic Indigenous Peoples, Traditional Food Systems and POPs. In: Fenge T and Downey D (eds.). Northern Lights Against POPs: Combating Toxic Threats at the Top of the World. Montreal: McGill-Queens's University Press, 2003, 22-40.
38. **Egeland GM**, Skjærven R, Irgens L.M. Reproductive health of daughters of pregestational diabetic women. *Paediatric and Perinatal Epidemiology* 2002;16:290-296.
37. **Egeland GM**, Tverdal A, Meyer HE, Selmer RM. A Man's Heart and a Wife's Education. *International Journal of Epidemiology* 2002;31:799-805.

36. Hollund BE, Moen BE, **Egeland GM**, Florvaag E, Omenaas E. Occupational exposure to hairdressing chemicals and immunoglobulin E synthesis. *Scand J Work Environ Health* 2002; 22(4):264-269.
35. **Egeland GM**, Irgens LM. Is a multiple birth pregnancy a risk factor for gestational diabetes? Research Letter. *American Journal of Obstetrics and Gynecology* 2001;185:1257-6.
34. **Egeland GM**, Meyer H, Selmer R, Tverdal A, Vollset SE. Cod liver oil consumption, smoking, and coronary heart disease mortality: Three Counties, Norway. *International Journal of Circumpolar Health* 2001;60:143-149.
33. **Egeland GM**, Skjærven R, Irgens L.M. Birth characteristics of women who develop gestational diabetes: population based study. *British Medical Journal* 2000;321:546-7.
32. Landen MG, McCumber BJ, Asay ED, **Egeland GM**. Oubreak of boils in an Alaskan village. *Western Journal of Medicine* 2000;172:235-239.
31. Kvaavik E, Meyer HE, Selmer RM, **Egeland GM**, Tverdal A. Dietary habits in a Norwegian county by gender, education and marital status. Journal of the Norwegian Medical Society. *Tidsskr Nor Lægeforen* 1999; 119:3406-9.
30. **Egeland GM**, Ponce R, Knecht R, Bloom NS, Fair J, Middaugh JP. Trace metals in ancient hair from the Karluk archaeological site, Kodiak, Alaska. *International Journal of Circumpolar Health* 1999;58:52-56.
29. Bloom T, **Egeland GM**. Evaluation of Exposures to Fluorocarbon 113. *Am Industrial Hygiene Association Journal* 1999;60:486-494.
28. **Egeland GM**, Perham-Hester KA, Gessner BD, et al. Fetal Alcohol Syndrome in Alaska, 1977 through 1992: An Administrative Prevalence Derived from Multiple Data Sources. *American Journal of Public Health* 1998;88(5):781-786.
27. **Egeland GM**, Feyk LA, Middaugh JP. The use of traditional foods in a healthy diet in Alaska: Risks in perspective. Alaska Division of Public Health, Epidemiology *Bulletin* 1998;2(1).
26. Ponce RA, **Egeland GM**, Middaugh JP, Becker PR. Twenty years of trace metal analyses of marine mammals in Alaska: Evaluation and summation. *International Journal of Circumpolar Health* 1998;57 Suppl 1:576-81.
25. **Egeland GM**, Ponce RA, Middaugh JP. A public health perspective on the evaluation of subsistence food safety. *International Journal of Circumpolar Health* 1998;57 Suppl 1: 572-5.
24. **Egeland GM** and Middaugh JP. Fish consumption. Letter to the editor. *Science* 1998;279:640-641.
23. **Egeland GM** and Middaugh JP. Balancing fish consumption benefits with mercury exposure. *Science* 1997; 278:1904-1905.

22. Sweeney MH, Calvert GA, **Egeland GM**, Fingerhut MA, Halperin WE, Piacitelli LA. Review and update of the results of the NIOSH medical study of workers exposed to chemicals contaminated with 2,3,7,8-tetrachlorodibenzodioxin. *Teratogenicity Carcinogenicity and Mutagenicity* 1997-98;17:241-7.
21. Middaugh JP and **Egeland GM**. Intellectual function of children exposed to polychlorinated biphenyls in utero. Letter to the editor. *New England Journal of Medicine* 1997;336:660-661.
20. Backer LC, **Egeland GM**, Ashley DL, et al. Exposure to regular gasoline and ethanol oxyfuel during refueling in Alaska. *Environmental Health Perspectives* 1997;105:850-855.
19. Schnorr T, Steenland K, **Egeland G**, et al. Mortality of workers exposed to toluene diisocyanate in the polyurethane foam industry. *Occupational and Environmental Medicine* 1996;53:703-707.
18. The Alaska Fetal Alcohol Syndrome Prevention Steering Committee. The Alaska Fetal Alcohol Syndrome Prevention Project. *Federal Practitioner* 1996;59:54-56.
17. **Egeland GM**, Perham-Hester K, Hook EC. Use of capture-recapture analyses in fetal alcohol syndrome surveillance in Alaska. *American Journal of Epidemiology* 1995;141(4):335-341.
16. The Alaska Fetal Alcohol Syndrome Prevention Steering Committee. Alcohol-related knowledge, attitude, belief and behavior (KABB) surveys of Alaskan health professionals. *Alaska Medicine* 1995;37(1):5-10.
15. **Egeland GM**, Sweeney M, Fingerhut M, Wille K, Schnorr TM, Halperin WE. Total serum testosterone and gonadotropins in workers exposed to dioxin. *American Journal of Epidemiology* 1995;141(5):476-478.
14. **Egeland GM**, Sweeney M, Fingerhut M, Wille K, Schnorr TM, Halperin WE. Total serum testosterone and gonadotropins in workers exposed to dioxin. *American Journal of Epidemiology* 1994;139(3):272-281.
13. Centers for Disease Control and Prevention (CDC). Frequent alcohol consumption among women of childbearing age: Behavioral Risk Factor Surveillance System, 1991. *MMWR* 1994;43(18):328-335. Also reprinted in *JAMA* 1994;271(23):1820-1821.
12. CDC. Prevalence and characteristics of alcohol consumption and fetal alcohol syndrome awareness in Alaska. *MMWR* 1994;43:3-6.
11. CDC. Linking multiple data sources in fetal alcohol syndrome surveillance – Alaska. *MMWR* 1993;42: 312-314.
10. Cauley JA, Kwok KC, **Egeland GM**, et al. Serum sex hormones and severity of osteoarthritis of the hand. *Journal of Rheumatology* 1993;20:1170-5.

9. **Egeland GM**, Bloom T, Schnorr TM, Hornung RW, Surada T, Wille K. Fluorocarbon 113 exposure and cardiac dysrhythmias among aerospace workers. *American Journal of Industrial Medicine* 1992;22:851-857.
8. **Egeland GM**, Burkhart GA, Schnorr TM, Hornung RW, Fajen JM, Lee ST. Effects of exposure to carbon disulfide on low density lipoprotein cholesterol concentrations and diastolic blood pressure. *British Journal of Industrial Medicine* 1992;49:287-293.
7. Schnorr TM, Grajewski BA, Hornung RW, Thun MJ, **Egeland GM**, Murray WE, Conover DL, Halperin WE. Video display terminals and the risk of spontaneous abortion. *New England Journal of Medicine* 1991;324:727-733.
6. Beusterien KM, Etzel RA, Agocs MM, **Egeland GM**, Socie EM, Rouse MA, Mortensen BK. Indoor air mercury concentrations following application of interior latex paint. *Archives of Environmental Contamination and Toxicology* 1991;21:62-64.
5. **Egeland GM**, Kuller LH, Matthews KA, et al. Hormone replacement therapy and lipoprotein changes during early menopause. *Menopause Digest* 1991;4:31.
4. **Egeland GM**, Kuller LH, Matthews KA, Kelsey SF, Cauley J, Guzick D. Premenopausal determinants of menopausal estrogen use. *Preventive Medicine* 1991;20:343-349
3. **Egeland GM**, Kuller LH, Matthews KA, Kelsey SF, Cauley J, Guzick D. Hormone replacement therapy and lipoprotein changes during early menopause. *Obstetrics and Gynecology* 1990;76:776-782.
2. Meilahn EN, Matthews KA, **Egeland GM**, Kelsey SF. Characteristics of women with hysterectomies. *Maturitas* 1989;11: 319-329.
1. **Egeland GM**, Matthews KA, Kuller LH, Kelsey SF. Characteristics of noncontraceptive hormone users. *Preventive Medicine* 1988; 17 (4):403-411.

#### **Non-Refereed Publications (Government and Technical Reports)**

**Egeland GM.** Needs Assessment for a Health Canada Methylmercury Risk Management Policy Document. Health Canada, Safe Environments Programme, March 2007.

**Egeland GM.** The changing landscape of nutrition transition and obesity in Canada and in the Circumpolar Region. Northern Contaminants Program (NCP) Human Health Assessment Report III. Health Canada, Safe Environments Programme, Risk Management Bureau, April 2007

**Egeland GM.** Fatty Acid Composition of Fish and Commonly Consumed Food in a Cree Community in Northern Quebec. Cree Eeyou Nameess Corporation, 2005.

**Egeland GM.** Technical report regarding strategies for ascertaining the extent of undiagnosed type 2 diabetes mellitus among Canadian Inuit. For Inuit Tapiriit Kanatami (2004).

**Egeland GM.** Technical report related to future directions for funding priorities for northern contaminants research. For Department of Indian and Northern Affairs, Canada (2003).

Colberg K, **Egeland GM**, Perham-Hester K. Fetal Alcohol Syndrome. Prevalence, Risk Factors, and Prevention. Alaska Division of Public Health, Epidemiology *Bulletin* 1997;1(2).

Backer L and **Egeland GM.** Gasoline components in blood after refueling. Part A: Fairbanks, and Part B: Anchorage. Alaska Division of Public Health, Epidemiology *Bulletin* 1995 (30), and *Bulletin* 1995 (31).

#### **Published Abstracts in Conference Proceedings:**

55. Williamson L, Saudny-Unterberger H, Okalik L, Osborne G, Sobol I, Young K, Gunn L, Lennie C, Wood M, **Egeland GM.** International Polar Year Adult Inuit Health Survey: Accomplishments in 2007 and Plans for 2008. First Nations and Inuit Health Branch's Inaugural First Nations, Inuit and Métis Health Research Meeting, Montreal, April 16<sup>th</sup>-18<sup>th</sup>, 2008.
54. Rosol R, Boulet V, Ford A, Tagak G, Saudny-Unterberger H, **Egeland GM.** A tribute to Minnie Grey: Using a DVD to assist in administering informed consent for the Nunavut Health Survey: *Qanuippitali*, how about us, how are we? ArcticNet, Collingwood, Ontario, December, 2007.
53. Pacey A, Faraj N, **Egeland GM.** Iron Deficiency and *H. pylori* among Inuit Children. ArcticNet Student Day, Collingwood, Ontario, December, 2007.
52. Okalik L and **Egeland GM.** Importance of remembering the C.D. Howe in Arctic Health Research involving the CCGS Amundsen. ArcticNet, Collingwood, Ontario, December, 2007.
51. Faraj N, Pacey A, Williamson L, Gunn L, Osborne G, **Egeland GM.** Methodology of the Inuit Child Health Survey. ArcticNet, Collingwood, Ontario, December, 2007.
50. Zhou Y, **Egeland GM**, Kubow S. Insulin resistance, age, obesity level are related to activity of desaturase 5 activity. Canadian Diabetes Association Conference, Vancouver, British Columbia, October 2007.
49. Alkazemi D, Kubow S, Vaya J, Meltzer S, **Egeland GM.** Modulating factors of serum oxysterol concentrations in daughters from gestational diabetic and non-gestational diabetic pregnancies. Canadian Diabetes Association Conference, Vancouver, British Columbia, October 2007.
48. Gallo S, Meltzer SJ, Legault L, **Egeland GM.** The determinants of adiponectin in female adolescents. Canadian Diabetes Association Conference, Vancouver, British Columbia, October 2007.
47. Yohannes S, Kisa S, Kilabuk J, Kulugutuq J, Charbonneau-Roberts G, Egeland GM. Traditional Knowledge as a Nutritional Intervention in an Inuit Community. North American Indigenous Food Symposium, Saskatchewan, June 1, 2007.

46. Pereg D, Nieboer E, Dewailly É, **Egeland GM**, Ayotte P, Fontaine J, Bonnier Viger Y. Levels and sources of environmental exposure to toxic metals and persistent organic pollutants in a Cree community of Québec. ICT XI, International Congress of Toxicology, Montréal, QC, July 2007
45. Charbonneau-Roberts G, Tremblay A, Dewailly E, **Egeland GM**. Comparisons of obesity measures among Inuit of Nunavik. ArcticNet, 3<sup>rd</sup> Annual Scientific Meeting, Victoria, BC, December 2006.
44. Charbonneau-Roberts G, Okalik L, Kilabuk J, **Egeland GM**. Linking Health Screening with Health Promotion Among Inuit. Arctic Net, 3<sup>rd</sup> Annual Scientific Meeting, Victoria, BC, December 2006.
43. **Egeland GM**, Charbonneau-Roberts G, Okalik L, Kilabuk J, Young TK. Early warning signs for epidemiologic transition in Baffin Inuit Communities. ArcticNet, 3<sup>rd</sup> Annual Scientific Meeting, Victoria, BC, December 2006.
42. Chateau-Degat ML, Dewailly E, Dery S., **Egeland GM**., Blanchet C., St Laurent D, Bruneau, S. "Prevalence and nutritional risk factors for cardiovascular disease among Inuit from Nunavik: the Nunavik part of the International Inuit Cohort Study" ArcticNet 3<sup>rd</sup> Annual Scientific Meeting, Victoria, BC, December 2006.
41. Chateau-Degat ML, Dewailly E, Rochette L, Ekoe JM, **Egeland GM**. Metabolic Syndrome, Diabetes and Related Conditions in Inuit from Nunavik. ArcticNet, 3<sup>rd</sup> Annual Scientific Meeting, Victoria, BC, December 2006.
40. Meltzer SJ, **Egeland GM**. Canadian GDM Mother-Daughter Cohort – Preliminary Results of Metabolic Status at 15 years Post-Partum. Oral presentation, IDF International Conference, Cape Town, South Africa, December 2006.
39. **Egeland GM**, Meltzer SJ. Mom's Current Diabetes Status and GDM History as it Relates to Daughter's Health and Lifestyle. Oral presentation, CDA Conference, Toronto, October 2006.
48. **Egeland GM**, Hutcheon JA, Meltzer SJ. Canadian GDM Mother-Daughter Cohort – Methods and Overview. CDA Conference, Toronto, October 2006.
37. Meltzer SJ, **Egeland GM**. Mother-Daughter Pairs: Long-Term Follow-up of Metabolic Parameters. CDA Annual Meeting, Toronto, October 2006.
36. Bird S, Okalik L, Kilabuk J, Wiles JL, **Egeland GM**. Using storytelling to understand the experience of Inuit living with diabetes. A multi-case study on Baffin Island. Canadian Diabetes Association Conference, Toronto, Ontario, October 2006.
35. **Egeland GM**, Meltzer SJ. Following n Mom's Footsteps? Preliminary assessment of the Health and Lifestyle Status of Teenage Girls Born to Gestational Diabetic Women. Oral presentation, EASD International Conference, Copenhagen, Denmark, September 2006.
34. Kilabuk J. and **Egeland GM**. Baseline data from the Pangnirtung Initiative in Health Promotion. CINE Global Health Workshop, Montreal, Québec, August 2006.

33. Okalik L and **Egeland GM**. Pangnirtung Initiative in Health Promotion. Invited lecture at the Health Canada Aboriginal Diabetes Initiative Workshop, Toronto, Ontario, 2006.
32. **Egeland GM**. Diet and the Inuit: a world in transition and its potential impact on chronic disease. North American Congress of Epidemiology. Seattle, WA, June 2006.
31. Richmond C, Ross NA, **Egeland GM**. Societal resources and their implications for Aboriginal health in Canada. 97<sup>th</sup> Annual meeting of the Canadian Public Health Association, Vancouver, May 28-31<sup>st</sup>, 2006.
30. Richmond C, Ross NA, **Egeland GM**. Social support and health in place: An exploration among the Canadian Aboriginal population. Annual Meeting of the Association of American Geographers, Chicago, March 7-11<sup>th</sup>, 2006.
29. **Egeland GM**, Meltzer SJ. Mothers and Teen Daughters: Exploration of the role of gestational diabetes in pregnancies and shared lifestyle factors. American Diabetes Association 5<sup>th</sup> International Gestational Diabetes Mellitus Conference, Chicago, November 11-13, 2005.
28. Meltzer SJ, Gougeon C, **Egeland GM**. Nature vs. Nurture: Daughters of gestational diabetic pregnancies share mother's dietary and physical activity habits. Oral presentation, Canadian Diabetes Association, Edmonton, October 19-22, 2005.
27. Hutcheon JA, Platt RW, Meltzer SJ, **Egeland GM**. Birth Weight Differences in Gestational Diabetes: Is Maternal Weight Gain, Blood Glucose or Obesity more Important? American Diabetes Association 5<sup>th</sup> International Gestational Diabetes Mellitus Conference, Chicago, November 11-13, 2005.
26. Markin CP, Sauvé G, Cargo M, LaForte D, **Egeland GM**, Legault L. Mentors in Motion: A physical activity intervention for obese adolescents. North American Association for the Study of Obesity. Vancouver, October 15-19, 2005.
25. Rosol R, Leggee D, **Egeland GM**. Fatty Acid Composition of Food in a Cree Community. Sixth Conference of the Canadian Rural Health Research Society & the First Conference of the Canadian Society for Circumpolar Health. Quebec City, Oct 28-29, 2005.
24. Schmid MA, Salomeyesudas B, Satheesh V, **Egeland GM**, Hanley JA and Kuhnlein HV. An intervention which improves traditional food use in Dalit communities in rural Andhra Pradesh, South India. 18<sup>th</sup> International Congress of Nutrition. Nutrition Safari for Innovative Solutions, Durban, South Africa, September 19 – 23, 2005.
23. Richmond C, Ross NA, **Egeland GM**. Social Support and Aboriginal Health. 11<sup>th</sup> International Medical Geography Symposium, Fort Worth, Texas, July 5-9<sup>th</sup>, 2005.
22. Charbonneau-Roberts G, **Egeland GM**, Kuhnlein HV, Dewailly E, Young TK. Anthropometric determinants of underlying risk factors for type 2 diabetes mellitus among Inuit. Arctic Net, Québec City, Dec 6-8, 2004.

21. **Egeland GM**, Meltzer SJ, Legault L, Gray-Donald K, Ross N. Teen daughters of diabetic pregnancies; Methodological considerations for the Royal Victoria Hospital Study. Canadian Diabetes Association, Québec City, October 27-30, 2004.
20. **Egeland GM**, Soueida R, Kuhnlein H, Arbour L. Vitamin A intake in Inuit women in Canada. 12<sup>th</sup> International Congress for Circumpolar Health, Nuuk, Greenland, Sept. 2003.
19. **Egeland GM**, Kuhnlein H, Soueida R. Dietary Chronic Disease Risk Factors: Generational Trends in Canadian Inuit Communities. 12<sup>th</sup> International Congress for Circumpolar Health, Nuuk, Greenland, Sept. 2003.
18. Kuhnlein HV, Receveur O, Soueida R, **Egeland GM**. Arctic dietary change, use of Indigenous peoples' traditional food, and increasing obesity. Canadian Foundation for Biological Sciences, Montreal, June 2002.
17. **Egeland GM**, Kuhnlein H, Soueida R, Receveur O. Dietary composition and changes in Canadian Inuit Communities: Implications for future chronic disease patterns. XVI International Epidemiological Association World Congress of Epidemiology, Montreal, Canada August, 2002.
16. **Egeland GM**, Skjærven R, Irgens L. Reproductive Histories of Daughters of Diabetics. First Nordic Epidemiology Conference, Bergen, Norway, June, 2000; and XVII European Congress of Perinatal Medicine, Porto, Portugal, June, 2000.
15. **Egeland GM**, Meyer H, Selmer R, Tverdal A, Vollset SE. Do smokers benefit from omega-3 fatty acids? Eleventh International Congress for Circumpolar Health, Harstad, Norway, June 2000.
14. **Egeland GM**. Are capture-recapture methods useful in epidemiologic surveillance in Norway? Norwegian Epidemiology Conference. Oslo, Norway, June, 1998. Abstract. *Norsk Epidemiologi* 1998,8 (Suppl 1):40.
13. **Egeland GM**. Fish consumption advisories: A public health perspective. American Public Health Association, Indianapolis, IN, November 1997.
12. Calvert GM, Sweeney MH, Wall D; **Egeland GM**, Fingerhut MA. An evaluation of non-cancer outcomes among U.S. workers exposed to 2,3,7,8-TCDD-contaminated substances, with a focus on cardiovascular outcomes. International Symposium on Dioxins and Furans: Epidemiologic Assessment of Cancer Risks and Other Human Health Effects, Heidelberg, Germany, November 1996.
11. **Egeland GM** and Ponce RA. An archeological perspective on mercury exposures. Tenth International Congress on Circumpolar Health, Anchorage, Alaska, May 1996.
10. **Egeland GM**, Perham-Hester, Gessner BD. Fetal alcohol syndrome in Alaska. Tenth International Congress on Circumpolar Health, Anchorage, Alaska, May 1996.
9. Ingle DE, Owen PG, **Egeland GM**, et al. Alcohol use patterns among women of reproductive age in Alaska. Tenth International Congress on Circumpolar Health, Anchorage, Alaska, May 1996.

8. Ponce RA, **Egeland GM**, Becker PR. Twenty years of trace metal analyses of marine mammals in Alaska: Evaluation and summation. Tenth International Congress on Circumpolar Health, Anchorage, Alaska, May 1996.
7. **Egeland GM**. Epidemiologic methods in environmental health topics. Governor's Safety and Health Conference, Anchorage, AK, March 1996.
6. Backer LC, **Egeland GM**, Ashley DL, et al. Exposure to regular and 10% ethanol oxyfuel (E-10) during refueling in Alaska. Society for Occupational and Environmental Health, Bethesda, MD, December 1995. Also presented at the International Society for Environmental Epidemiology, Edmonton, Canada, August 1995.
5. **Egeland GM**. Capture-recapture statistical applications in fetal alcohol syndrome surveillance in Alaska. Ninth International Congress on Circumpolar Health. Reykjavik, Iceland, June 1993.
4. **Egeland GM**. Linking multiple data sources in fetal alcohol syndrome surveillance in Alaska. FAS Prevention Workshop, CDC, Atlanta, February 1993.
3. **Egeland GM**, Sweeney M, Fingerhut M, et al. Serum dioxin and total serum testosterone and gonadotropins in occupationally exposed men. Society for Epidemiologic Research, Minneapolis, MN, June 1992.
2. **Egeland GM**. Scientific issues in fetal alcohol syndrome surveillance. CDC, Atlanta, March 1992.
1. **Egeland GM**, Bloom T, Schnoor, T, Hornung R, Suruda T. Fluorocarbon 113 exposure and dysrhythmias among aerospace workers. Society for Epidemiologic Research, Buffalo, NY, June 1991.

#### **Invited Presentations and Guest Lectures**

**Egeland GM**. Invited lecture. Methodological Considerations in working with Indigenous Peoples. A Tribute to Roald Amundsen. Multicultural Venues in Health and Education. University of Bergen. Bergen, Norway, April 18, 2008.

**Egeland GM.** Invited Panelist Speaker. Inuit Health. “Canada’s North: On Top of the World?” Assistant Deputy Ministers’ (ADM) Forum. Ottawa, Canada, October, 2007.

**Egeland GM.** Invited Plenary Speaker. Environment and Northern Health. Health Canada Science Forum, Ottawa, Canada, November 2007.

**Egeland GM.** Diet and the Inuit: a world in transition and its potential impact on chronic disease. North American Congress of Epidemiology. Seattle, WA, June 2006.

**Egeland GM.** Nutritional Considerations in Obesity. Obesity Challenges and Solutions Conference. Canadian Obesity Network, Montreal, June, 2006.

**Egeland GM.** Nutritional considerations in prevention of Type 2 diabetes mellitus (DM). Congress of Aboriginal Peoples – Type 2 Diabetes Workshop. Ottawa, March 2006.

**Egeland GM.** Food and the Promotion of Health in Aboriginal communities. What are we eating? Annual conference of the McGill Institute for the Study of Canada. Montreal, February 2006.

Nudi M, Gougeon CL, Hutcheon JA, Meltzer SJ, **Egeland GM.** Health Consequences of Gestational Diabetes and Lifestyle Choices for Mothers and their Teenage Daughters. Endocrine Retreat, Montreal, 2006.

**Egeland GM.** Traditional Food Safety. Environmental contaminants workshop. First Nations of Quebec and Labrador Health and Social Services. Quebec City, November 2005.

**Egeland GM,** Chan HM. Invited Lecture. Diet and Health Among Aboriginal Peoples in Northern Canada. Circumpolar Health: Populations in Transition. Public Health Sciences Research Day. University of Toronto, February 2004.

**Egeland GM.** Invited Lecture. Fatty acids and type 2 diabetes mellitus: A review. Université Laval, February 2004.

**Egeland GM.** Invited Lecture. Traditional Food Risks and Benefits in Perspectives. Health Canada First Nations and Inuit Health Branch, Thunder Bay, February 2004.

**Egeland GM.** Invited Lecture. Risk and Benefits Revisited. National Forum on Contaminants in Fish. U.S. EPA, San Diego, California, January 2004.

**Egeland GM.** Invited Session Chair. Epidemiological studies on contaminants and neuro-developmental effects. Northern Contaminants Programme. Canadian Arctic Contaminants Assessment Symposium, Ottawa, March 2003.

**Egeland GM.** Benefits of Fish Consumption. Invited address. Health Canada Expert workshop. Developing human tissue contaminants guidelines using methyl mercury as an example. Ottawa, March 2002.

**Egeland GM.** Epidemiologic methods in evaluating methylmercury effects. Guest lecture. University of Washington, Northwest Center for Occupational health and Safety Extension Course, Anchorage, Alaska, March 1997.

**Egeland GM.** The Alaska comparative dietary risk study. Gest lecture. The Joint American Fisheries Society and Environmental Protection Agency's Forum on Contaminants in Fish. Alexandria, VA, December 1997.

**Egeland GM.** Fish consumption advisories: A public health perspective. American Public Health Association, Indianapolis, IN, November 1997.

**Egeland GM.** Epidemiological methods in assessing environmental hazards. Guest lecture. University of Washington, Northwest Center for Occupational Health and Safety, Anchorage, Alaska, March 1997.

**Egeland GM.** Guest Lecture. Core Concepts in Health Sciences, University of Alaska, Anchorage, Alaska, November 1995, November 1996, and University of Alaska-Fairbanks, Rural Health and Development Course, Fairbanks, Alaska, November 1996.

**Egeland GM.** Reproductive health hazards of the workplace. Invited presentation for the Third Annual Labor Roundtable, Reproductive Rights in the Workplace, College of Law, West Virginia University, Morgantown, WV, March 1991.

#### **OTHER PROFESSIONAL CONTRIBUTIONS AND ACTIVITIES:**

##### **Invited member to Committees and Professional Consultation Activities:**

- Invited attendee and informant for the International Review Panel for the External Review of CIHR 2000-2005, Ottawa, February 13, 2006.
- CIHR Grants Review Committee, Nutrition, Food and Health (2005-2006).
- Assembly of First Nations, Public Health Advisory Committee to Chiefs Committee on Health (2005 - present).
- Consultation, Inuit and Diabetes Network, Inuvik, NWT, March 2006.
- Consultation, Akwesasne Community regarding health promotion research, September 2005.
- Consultation, Cree Board of Health, ongoing (2002 to present).
- Consultation, National Inuit Committee on Health, Ottawa, March 2006.
- Consultation, Congress of Aboriginal Peoples, Ottawa, March 2006.
- Consultation, Band Council of Mistissini, July 2005.
- Member, Cree Board of Health, Mercury Advisory Board (2004-present).
- Department of Indian and Northern Affairs, 2003.
- Inuit Tapiriit Kanatami, 2004.
- Member, Scientific Advisory Committee on Rural and Northern Health Research, 2003-2005.

- Advisory Committee, Eleventh International Congress for Circumpolar Health, Harstad, Norway, June 2000.
- Organizing Committee, First Nordic Conference in Epidemiology, Bergen, June, 2000.
- Board Member, International Union for Circumpolar Health, 1996- 1998.
- Board Member, American Society for Circumpolar Health, 1993- 1998.
- Science Committee Chair, Tenth International Congress for Circumpolar Health, Anchorage, Alaska, May 1996.

**Invited External Reviewer for:**

Reviewer for two Canada Research Chair applications, 2005.  
 U.S. Agency for Toxic Substances Disease Registry (ATSDR) (2004).  
 Alberta Medical Heritage Foundation (2003).  
 CIHR, INMD, Nutrition Food and Health, IAPH (2003, 2004, 2005).  
 Canadian Diabetes Association (2004).

**Invited Referee for Peer Reviewed Journals (past 4 years):**

*American Journal of Public Health*  
*Canadian Journal of Public Health*  
*European Journal of Endocrinology*  
*Gynecology And Endocrinology*  
*International Journal of Circumpolar Health*  
*International Journal of Epidemiology*  
*Journal of Aboriginal Health*  
*Pediatric and Perinatal Epidemiology*  
*Preventive Medicine*  
*Public Health Nutrition*  
*Science Total Environment*

**University Activities:**

**University:**

Advisory Committee, Selection of Dean, Faculty of Medicine, McGill University (2004/2005).

**Faculty:**

Information Technologies Committee, Macdonald Campus, McGill University, 2002-2005.

**School of Dietetics and Human Nutrition:**

Advisory Committee for the Selection of Chair of the School of Dietetics and Human Nutrition, 2003-2004.

Search and Recruitment Committee for Social Nutritionist Professor for the School of Dietetics and Human Nutrition and CINE, 2004.

Member, Award Committee, McGill Eben Hobsen Bursary Student Award, April 2002.  
Acting Director, CINE during intermittent leave of absences of CINE's Director, 2002-present.