

Kelsey Dancause

CURRICULUM VITAE, December 2018

Section I – Identification and Personal Information

Name

Kelsey Needham Dancause, PhD

Address

Université du Québec à Montréal (UQAM)
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Citizenship

United States

Research Interests

Developmental origins of health and disease
Obesity
Prenatal stress and nutrition
Health disparities
Public health, global health

Appointments

Assistant Professor
Department of Physical Activity Sciences, Faculty of Sciences
Université du Québec à Montréal (UQAM)
Montreal QC, Canada
June 2014-present

Research Scientist (non-salaried affiliation)
Department of Anthropology
Binghamton University
Binghamton NY, USA
June 2015-present

Section II – Education and Training

05/2010-05/2014 Postdoctoral Fellowship

McGill University, Department of Psychiatry; Douglas Hospital Research Center, Psychosocial Research Division. Montréal QC, Canada

Director: Dr. Suzanne King, PhD

Project: *Effects of prenatal stress on physical and metabolic outcomes in infancy, childhood, and adolescence*

Analyzed prenatal stress and child development as part of the Stress in Pregnancy International Research Alliance, including relationships with anthropometric measures at birth (Dancause et al. 2011, *Early Hum Dev*) and in childhood (Dancause et al. 2015, *J Obesity*; 2012, *Pediatr Res*), and glucose metabolism in adolescence (Dancause et al. 2013, *Early Hum Dev*). Analyzed effects on bone development using a rat model (Dancause et al. 2012, *Am J Phys Anthropol*).

08/2006-05/2010 PhD, Biological Anthropology

Binghamton University, Department of Anthropology. Binghamton NY, USA

Director: J. Koji Lum, PhD; Committee: Ralph M. Garruto, PhD; Michael A. Little, PhD; Gale A. Spencer, PhD

Project: *Modernization and population health: A natural experimental model of health transition in Vanuatu, South Pacific*

Study of factors influencing health transition in Vanuatu, with researchers from Binghamton University and the Vanuatu Ministry of Health. Analyzed health behaviors and non-communicable disease risk for 1,200 individuals, including relationships among anthropometric measures (Dancause et al. 2010, *Asia Pac J Clin Nutr*), behavioral patterns related to modernization (Dancause et al. 2011, *Am J Hum Biol*), prevalence of child obesity (Dancause et al. 2012, *Public Health Nutr*), and risk factors for adult obesity (Dancause et al. 2013, *Obesity*).

08/2004-07/2006 MA, Biological Anthropology

University of Kansas, Department of Anthropology. Lawrence KS, USA

Director: Sandra J. Gray, PhD; Committee: John M. Janzen, PhD; James H. Mielke, PhD

Project: *The role of beer in Karimojong society*

Study of maternal and child nutrition in an agro-pastoral society. Women lack access to herds and thus to milk, the traditional staple food. Profits from sorghum beer sales represented a source of income for women to purchase food. Compared dietary intake among households with varying reliance on brewing and selling beer (Dancause et al. 2009, *Soc Sci Med*).

08/1997-05/2001 BS (*Cum Laude*), Psychology; Minor in Women's Studies

Kansas State University, Department of Psychology. Manhattan KS, USA

Training Interruptions

11/2011-04/2012 Parental leave following birth of daughter in November 2011

04/2013-09/2013 Parental leave following birth of son in April 2013

Fieldwork Experience

2015-present Vanuatu, South Pacific – “Healthy Mothers, Healthy Communities Study

Collaboration of researchers from the Université du Québec à Montréal (UQÀM), Cleveland State University, Yale University, and the Vanuatu Ministry of Health

Project Overview: We collect data on psychosocial stress, diet, and physical activity during pregnancy, and investigate their relationships with child growth and development. Our current sample includes acute distress and dietary data following a natural disaster among 969 pregnant and non-pregnant women in 2015; psychosocial health (depression, anxiety) among more than 800 pregnant women in 2016; and data on infant development (physical growth; questionnaire measures of cognitive, motor, and behavioral development; fingerprints) among participating families in 2017.

Personal responsibilities: Principal Investigator of the project. Designed the protocol, trained other team members, and organized all aspects of data collection in Vanuatu.

06/2011-07/2011 Vanuatu, South Pacific – Health Transition Survey

Collaboration of researchers from the Binghamton University Department of Anthropology, Temple University Department of Anthropology, Vanuatu Ministry of Health, and Karolinska Institutet Infectious Disease Unit

Project Overview: Collected behavioral data (diet, physical activity, substance use), anthropometric data, blood pressure, and forced vital capacity for ~2,000 children and adults on five islands varying in level of economic development in order to investigate behavioral and environmental factors associated with health transition.

Personal responsibilities: Collected circumference and skinfold measurements for ~1,000 people on two islands, trained assistants in anthropometric measurement methods

11/2010-12/2010 Vanuatu, South Pacific – Archival Health Research

Project supported by U.S. National Science Foundation (NSF) Doctoral Dissertation Improvement Award to Kelsey Dancause, in collaboration with the Vanuatu Ministry of Health and the Vanuatu National Cultural Center

Project Overview: Compiled data from demographic, health, and nutrition surveys since the 1950s. Analyzed relationships between infant growth measures and patterns of child growth for islands sampled in 2007. Results highlighted role of infant growth patterns on later obesity risk (Dancause et al. 2011, *Public Health Nutr*).

06/2007-07/2007 Vanuatu, South Pacific – Health Transition Survey

Collaboration of researchers from the Binghamton University Department of Anthropology, Vanuatu Ministry of Health, and Karolinska Institutet Infectious Disease Unit

Project Overview: Collected behavioral data (diet, physical activity, and substance use), anthropometric data, and blood pressure for 1,279 children and adults on three islands varying in level of economic development in order to investigate behavioral and environmental factors associated with non-communicable disease risk.

Personal responsibilities: Administered behavioral surveys in Bislama (local language), trained assistants in survey methods

Laboratory Experience

08/2006-03/2010 Laboratory of Evolutionary Anthropology and Health
Binghamton University, Binghamton NY, USA
Director: J. Koji Lum

Extracted, purified, amplified, sequenced, and analyzed whole mitochondrial genomes for population genetic studies in the Asia-Pacific region. Generated first complete sequence for haplogroup M46 (Dancause et al.2009, *J Hum Genet*).

Extracted, purified, amplified, sequenced, and analyzed the mitochondrial DNA hyper-variable region of domestic chickens, whose distribution is used to inform studies of human population movement, from Vanuatu and Guam (Dancause et al.2011, *PLoS One*).

08/2006-03/2010 Laboratory of Biomedical Anthropology and Neurosciences
Binghamton University, Binghamton NY, USA
Director: Ralph M. Garruto

Extracted and purified RNA from archival brain samples, a pilot project for the laboratory's continued investigations of Pacific ALS/PD (Amyotrophic Lateral Sclerosis/Parkinsonism-dementia).

Employment Experience

08/2004-05/2006 Center for Biobehavioral Neurosciences in Communications Disorders
Graduate Research Assistant
University of Kansas, Lawrence KS, USA
PI: Mabel Rice, PhD

05/2003-08/2004 Department of Molecular and Integrative Physiology
Research Assistant
University of Kansas Medical Center, Kansas City KS, USA
PI: Randolph J. Nudo, PhD

05/2001-01/2002 Family Connections of Riley County
Paraprofessional
Manhattan KS, USA
Director: Diane Fleming

Specialized Training

- 09/2012-12/2012** Course *Introduction to Systematic Reviews and Meta-Analyses*
16-module online course offered by Knowledge Translation Canada in
collaboration with CIHR (Canadian Institutes of Health Research)
- 09/2012** 4th CIHR-IHDCYH (Institute of Human Development, Child and Youth
Health) New Investigators Workshop; Ottawa ON, Canada
- 08/2012** Global Health Research Capacity Strengthening Program Summer School
Gender, Sex, and Global Health Research
Université du Québec à Montréal (UQAM), Montréal QC, Canada
- 06/2011** CIHR Institute of Gender and Health Summer Institute
University of British Columbia, Vancouver BC, Canada
- 05/2011** CIHR Institute of Aging Summer Institute
Statistical Methods in Aging, Longitudinal Data Analysis
University of Victoria, Victoria BC, Canada
- 02/2011** 3rd CIHR Institute of Human Development, Child and Youth Health
Symposium for New Investigators in Perinatal Research; Banff AB, Canada
- 05/2010** Montréal Spring School *Population Genomics & Genetic Epidemiology*
Collège Jean-de-Brébeuf, Montréal QC, Canada
- 11/2007** Course *From Genome to Global Malaria: Diversity and Control*
Karolinska Institutet, Stockholm, Sweden
- 01/2002-06/2002** Intensive Spanish Language Program
University of Málaga, Ronda, Spain

Section III – Grants and Awards

Awards and Grants (Primary Investigator) – Awarded

- 11/2017-01/2018** **Natural Hazards Center**
Quick Response Grant, \$2 000 USD
Distress due to displacement and repatriation of an entire island population in the South Pacific
- 06/2017-09/2017** **Wenner Gren Foundation for Anthropological Research**
Applied anthropology grant, \$5 000 USD
Promoting local research capacity through psychosocial health research training and knowledge translation
- 06/2015-06/2019** **FRQS (Fonds de recherche du Québec - Santé)**
Junior 1 Research Scholar Salary Award
La nutrition, le stress et l'activité physique maternelle: effets interactifs sur la croissance du nourrisson et de l'enfant (Maternal nutrition, stress, and physical activity: interactive effects on infant and child growth)
Total award from FRQS: \$295 698 CAD (salary support=\$235 698; research allocation=\$60 000)
- 06/2015-06/2016** **Wenner Gren Foundation for Anthropological Research**
Operating Grant, \$19 980 USD
Effects of prenatal psychosocial stress on birth outcomes in developing countries: filling the knowledge gap using validated surveys in Vanuatu
- 04/2015-07/2015** **Natural Hazards Center**
Quick Response Grant, \$1 952 USD
Stress during pregnancy due to a natural disaster in Vanuatu: Effects on infant development in a low-middle income country
- 05/2009-04/2010** **NSF (United States National Science Foundation)**
Doctoral Dissertation Improvement Award, \$9 217 USD
Health transition in Vanuatu
Supervisor: J. Koji Lum, PhD

Awards and Grants (Co-Investigator) – Awarded

- 10/2018-02/2019** **Natural Hazards Center**
Quick Response Grant, \$2 000 USD
Title: *Effects of prenatal stress due to a natural disaster on birth outcomes among ethnic minority women*
- 03/2011-02/2016** **CIHR (Canadian Institutes of Health Research)**
Operating Grant, \$984 435 CAD, PI Suzanne King, PhD

Project Ice Storm: Continuing Effects of Prenatal Stress on Children's Physical, Cognitive & Behavioral Development in Adolescence
Co-investigators: D. Laplante, A. Brunet, K. Dancause, N. Grizenko, R. Joobar, N. Schmitz

Postdoctoral Fellowships – Awarded

- 05/2012-04/2015** **NIH (United States National Institutes of Health)**
National Research Service Award, Postdoctoral Fellowship
Effects of prenatal stress exposure on childhood physical and metabolic outcomes
PI: Kelsey Dancause, Total award amount \$152 766 USD
- 05/2011-04/2013** **CIHR (Canadian Institutes of Health Research)**
Postdoctoral Fellowship
Prenatal maternal stress and childhood physical and metabolic outcomes
PI: Kelsey Dancause, Total award amount \$90 000 CAD

Student Fellowships

- 05/2009-03/2010** **Binghamton University** Laboratory of Biomedical Anthropology and Neurosciences
Graduate Research Fellowship – Research Assistant
Total fellowship amount \$4 500 USD
- 08/2006-05/2009** **Binghamton University** Department of Anthropology
Graduate Research Fellowship – Teaching Assistant
Total fellowship amount \$45 000 USD
- 01/2005-05/2005** **University of Kansas** Department of Anthropology
Graduate Research Fellowship – Teaching Assistant
Total fellowship amount \$7 500 USD
- 08/2004-05/2006** **University of Kansas** Center for Biobehavioral Neurosciences in Communications Disorders
Graduate Research Fellowship – Research Assistant
Total fellowship amount \$30 000 USD
- 08/1999-12/1999,**
08/2000-12/2000 **Kansas State University** Department of Psychology
Undergraduate Research Fellowship – Teaching Assistant
Total fellowship amount \$2 400 USD

Section IV – Publications

(Underlined author = Student under my supervision/mentorship)

Published/In Press Refereed Papers

1. Buffa G, Dahan S, Sinclair I, St-Pierre M, Roofigari N, Mutran D, Rondeau JJ, **Dancause KN** (In Press) Prenatal stress and child development: a scoping review of research in low- and middle-income countries. In Press: Accepted Nov 2018.
2. Olszowy KM, Little MA, Lee G, Pomer A, **Dancause KN**, Sun C, Silverman H, Chan CW, Tarivonda L, Kaneko A, Weitz C, Lum JK, Garruto RM (2018). Coming to grips with economic development: Variation in adult hand grip strength during health transition in Vanuatu. *Am J Physical Anthropology* 167(4):760-776.
3. Pomer A, Buffa G, Taleo F, Sizemore JH, Tokon A, Taleo G, Tarivonda L, Chan CW, Kaneko A, **Dancause KN** (2018) Relationships between psychosocial distress and diet during pregnancy and infant birthweight in a lower-middle income country: "Healthy mothers, healthy communities" study in Vanuatu. *Annals of Human Biology* 45(3):220-228. doi: 10.1080/03014460.2018.1459837.
4. Cao-Lei L, **Dancause KN**, Elgbeili G, Laplante DP, Szyf M, King S (2018) DNA methylation mediates the effect of maternal cognitive appraisal on the child's C-peptide secretion in adolescence: Project Ice Storm. *PLoS One* 13(2):e0192199.
5. Bernard P, Romain AJ, Caudroit J, Chevance G, Carayol M, Gourlan M, **Dancause KN**, Moullec G (2018) Cognitive behavior therapy combined with exercise for adults with chronic diseases: Systematic review and meta-analysis. *Health Psychology* 37(5):433-450. doi: 10.1037/hea0000578.
6. Kroska E, O'Hara MW, Elgbeili G, Hart K, Laplante DP, **Dancause KN**, King S (2018) The impact of maternal stress and social support on offspring weight in early childhood. *Archives of Women's Mental Health* 21(2):225-33. doi: 10.1007/s00737-017-0786-x.
7. Gilbert M, Chaubet P, Karelis A, **Dancause KN** (2017) Perceptions of group exercise courses and instructors among Quebec adults: Predictors of re-enrollment using a mixed-methods approach. In Press: *BMJ Open Sport & Exercise Medicine* 3(1): e000278. doi: 10.1136/bmjsem-2017-000278.
8. Olszowy KM, Sun C, Silverman H, Pomer A, **Dancause KN**, Chan CW, Lee G, Tarivonda L, Regenvanu R, Kaneko A, Weitz C, Lum KJ, Garruto RM (2017) Secular change in adult stature associated with modernization in Vanuatu. *Am J Hum Biol* 29(3):180-8. doi: 10.1177/1010539517696552.
9. Weitz CA, Olszowy KM, **Dancause KN**, Sun C, Pomer A, Silverman H, Lee G, Tarivonda L, Chan CW, Kaneko A, Lum JK, Garruto RM (2017) Rolling Tobacco in Banana Leaves, Newspaper, or Copybook Paper Associated With Significant Reduction in Lung Function in Vanuatu. *Asia Pac J Public Health* 29(3), doi 10.1177/1010539517696552.
10. Cao-Lei L, **Dancause KN**, Elgbeili G, Szyf M, Laplante DP, King S (2016) Pregnant women's cognitive appraisal of a natural disaster affects their children's BMI and central adiposity via DNA methylation: Project Ice Storm. *Early Hum Dev* 103:189-92. doi: 10.1016/j.earlhumdev.2016.09.013
11. Sun C, Pomer A, **Dancause KN**, Chan CW, Olszowy KM, Silverman H, Lee G, Tarivonda L, Taleo G, Regenvanu R, Kaneko A, Weitz CA, Garruto RM, Lum JK (2016)

- Ownership of consumer electronics is associated with measures of adiposity during health transition in Vanuatu. *Am J Hum Biol*, doi: 10.1002/ajhb.22928
12. Chan CW, Iata H, Yaviong J, Kalkoa M, Yamar S, Taleo G, Isozumi R, Fukui M, Aoyama F, Pomer A, **Dancause KN**, Kaneko A (2016) Surveillance for malaria outbreak on malaria-eliminating islands in Tafea Province, Vanuatu after Tropical Cyclone Pam in 2015. *Epidemiol Infect*, doi: 10.1017/S0950268816002041
 13. **Dancause KN**, Mutran D, Elgbeili D, Laplante DP, Kildea S, Stapleton H, McIntyre D, King S (2016) Dietary change mediates the effects of stress during pregnancy on infant head circumference measures: The QF2011 Study. *Maternal Child Nutr*, doi: 10.1111/mcn.12359.
 14. Liu GT, **Dancause KN**, Elgbeili G, Laplante DP, King S (2016) Disaster-related prenatal maternal stress explains increasing amounts of variance in body composition through childhood and adolescence: Project Ice Storm. *Environ Res* 150:1-7. doi: 10.1016/j.envres.2016.04.039
 15. Cao-Lei L*, **Dancause KN***, Elgbeili G, Massart R, Szyf M, Laplante DP, King S (2015) DNA methylation mediates the impact of exposure to prenatal maternal stress on BMI and central adiposity in children at age 13½ years: Project Ice Storm. *Epigenetics* 10:749-61. doi: 10.1080/15592294.2015.1063771.
* These authors contributed equally to this work.
 16. Olszowy KM, Pomer A, **Dancause KN**, Sun C, Silverman H, Lee G, Chan CW, Tarivonda L, Regenvanu R, Kaneko A, Weitz CA, Lum JK, Garruto RM (2015) Impact of modernization on adult body composition on five islands of varying economic development in Vanuatu. *Am J Hum Biol* 27:832-44. doi: 10.1002/ajhb.22734.
 17. King S, Kildea S, Austin MP, Brunet A, Cobham VE, Dawson PA, Harris M, Hurrion EM, Laplante DP, McDermott BM, McIntyre HD, O'Hara MW, Schmitz N, Stapleton H, Tracy SK, Vaillancourt C, **Dancause KN**, Kruske S, Reilly N, Shoo L, Simcock G, Turcotte-Tremblay AM, Yong Ping E (2015) QF2011: A protocol to study the effects of the Queensland Flood on pregnant women their pregnancies and their children's early development. *BMC Pregnancy Childbirth*. 15:109. doi: 10.1186/s12884-015-0539-7.
 18. Veru F, **Dancause KN**, Laplante DP, King S, Luheshi G (2015) Prenatal maternal stress predicts reductions in CD4 + lymphocytes, increases in innate-derived cytokines and Th2 shift in adolescents: Project Ice Storm. *Physiol Behav* 144:137-45. doi:10.1016/j.physbeh.2015.03.016
 19. **Dancause KN**, Laplante DP, Hart K, O'Hara M, Elgbeili G, Brunet A, King S (2015) Prenatal stress due to a natural disaster predicts adiposity in childhood: The Iowa Flood Study. *J Obesity* 570541. doi: 10.1155/2015/570541.
 20. **Dancause KN**, Veru F, Andersen R, Laplante DP, King S (2013) Prenatal stress due to a natural disaster predicts insulin secretion in adolescence. *Early Hum Dev* 89:773-6. doi: 10.1016/j.earlhumdev.2013.06.006
 21. **Dancause KN**, Vilar M, Wilson M, Soloway LE, DeHuff C, Chan C, Tarivonda L, Regenvanu R, Kaneko A, Lum JK, Garruto RM (2013) Behavioral risk factors for obesity during health transition in Vanuatu, South Pacific. *Obesity* 21:E98-E104. doi: 10.1002/oby.20082

22. King S, **Dancause KN**, Turcotte-Tremblay A-M, Veru F, Laplante DP (2012) Using natural disasters to study the effects of prenatal maternal stress on child health and development. *Birth Defects Res. C: Embryo Today* 96:273-88. doi: 10.1002/bdrc.21026
23. **Dancause KN**, Cao X, Veru F, Xu Z, Hong H, Yu C, Laplante DP, Walker CD, King S (2012) Prenatal and early postnatal stress exposure influences long bone length and asymmetry in adult rat offspring. *Am J Phys Anth* 149:307-11. doi:10.1002/ajpa.22117.
24. **Dancause KN**, Laplante DP, Fraser S, Brunet A, Ciampi A, Schmitz N, King S (2012) Prenatal exposure to a natural disaster increases risk for obesity in 5½ year old children. *Pediatr Res* 71:126-31. doi:10.1038/pr.2011.18. * Featured as a podcast at <http://www.nature.com/pr/podcasts/archivetranscripts.html>
25. **Dancause KN**, Vilar M, Chan C, DeHuff C, Wilson M, Soloway LE, Tarivonda L, Regenvanu R, Kaneko A, Garruto RM, Lum JK (2012) Patterns of childhood and adolescent overweight and obesity during health transition in Vanuatu. *Public Health Nutr* 15:158-66. doi:10.1017/S1368980011001662.
26. **Dancause KN**, Laplante DP, Oremus C, Fraser S, Brunet A, King S (2011) Disaster-related prenatal maternal stress influences birth outcomes: Project Ice Storm. *Early Hum Dev* 87:813-20. doi: 10.1016/j.earlhumdev.2011.06.007.
27. **Dancause KN**, DeHuff C, Soloway LE, Vilar M, Chan C, Wilson M, Tarivonda L, Regenvanu R, Kaneko A, Garruto RM, Lum JK (2011) Behavioral changes associated with economic development in the South Pacific: the health transition in Vanuatu. *Am J Hum Biol* 23:366-76. doi: 10.1002/ajhb.21146
28. **Dancause KN**, Vilar MG, Steffy R, Lum JK (2011) Characterizing genetic diversity of contemporary Pacific chickens using mitochondrial DNA analysis. *PLoS One* 6:e16843. doi:10.1371/journal.pone.0016843
29. **Dancause KN**, Vilar M, DeHuff C, Wilson M, Soloway LE, Chan C, Lum KJ, Garruto RM (2010) Relationships between body size and percent body fat among Melanesians in Vanuatu. *Asia Pac J Clin Nutr* 19:425-31. <http://apjcn.nhri.org.tw/server/APJCN/19/3/425.pdf>
30. **Dancause KN**, Yevtushok L, Lapchenko S, Shumlyansky I, Shevchenko G, Wertelecki W, Garruto RM (2010) Chronic radiation exposure in the Rivne-Polissia region of Ukraine: Implications for birth defects. *Am J Hum Biol* 22:667-74. doi: 10.1002/ajhb.21063
31. **Dancause KN**, Gray SJ, Akol HA (2009) Beer is the cattle of women: Sorghum beer commercialization and dietary intake of agropastoral families in Karamoja, Uganda. *Soc Sci Med*. 70:1123-30. doi:10.1016/j.socscimed.2009.12.008
32. **Dancause KN**, Chan CW, Arunotai NH, Lum JK (2009) Origins of the Moken Sea Gypsies inferred from mitochondrial hypervariable region and whole genome sequences. *J Hum Genet* 54:86-93. doi:10.1038/jhg.2008.12
33. Garruto RM, Reiber C, Alfonso MP, Gastrich H, **Needham KD**, Sunderman S, Walker S, Weeks J, DeRosa N, Faisst E, Dunn J, Fanelli K, Shilkret K (2008) Risk behaviors in a rural community with a known point-source exposure to Chronic Wasting Disease. *Environ Health* 7:31. doi:10.1186/1476-069X-7-31

Submitted manuscripts

1. Zahlawi T, Roome AB, Chan CW, Campbell JJ, Tosiro B, Malanga M, Tagaro M, Obed J, Iaruel J, Taleo G, Tarivonda L, Olszowy KM, **Dancause KN**. Psychosocial support during displacement due to a natural disaster: relationships with distress in a lower-middle income country. Under Revision: *International Health*.
2. St-Pierre M, Sinclair I, Bernard P, Elgebeili G, **Dancause KN**. Relationships between psychological distress and health behaviors among Canadian adults: Differences based on income, education, immigrant status, and ethnicity. Under Revision: *Social Science & Medicine Public Health*.
3. Sinclair I, St-Pierre M, Vaillancourt C, Gagnon S, **Dancause KN**. Variations in relationships between perceived stress and birth outcomes by immigration status. Under review: *BMC Pregnancy & Childbirth*.
4. St-Pierre M, Sinclair I, Vaillancourt C, Gagnon S, **Dancause KN**. Relationships between perceived stress and health behaviors during pregnancy: differences based on immigration status. Under review: *Canadian Journal of Public Health*.
5. Pomer A, Buffa G, Ayoub MB, Taleo F, Sizemore JH, Tokon A, Chan CW, Kaneko A, Obed J, Iaruel J, Taleo G, Tarivonda L, **Dancause KN**. Psychosocial distress among women following a natural disaster in a lower-middle income country: “Healthy mothers, healthy communities” study in Vanuatu. Under Review: *Arch Womens Ment Health*.
6. Olszowy, KM, Buffa G, Sun C, Silverman H, Pomer A, **Dancause KN**, Chan CW, Soloway L, Lee G, Tarivonda L, Kaneko A, Weitz C, Lum JK, Garruto RM. Four-year variation in blood pressure and hypertension associated with modernization in Melanesian adults in Vanuatu. Under Review: *American Journal of Human Biology*.
7. Van Horn A, Weitz CA, Olszowy KM, **Dancause KN**, Sun C, Pomer A, Silverman H, Lee G, Tarivonda L, Chan CW, Kaneko A, Lum JK, Garruto R. Using Multiple Correspondence Analysis to Identify Behavior Patterns Associated with Overweight and Obesity in Vanuatu Adults. Under review: *Public Health Nutrition*.
8. Hains-Monfette G, Atoui S, **Dancause KN**, Bernard P. Objectively measured physical activity and sedentary behaviors in a representative sample of Canadian adults with chronic disease(s): a cross-sectional study. Under review: *Disability and Health Journal*.

Book Review

1. **Dancause KN** (2012) Review of *Parasites, Pathogens, and Progress: Diseases and Economic Development*. By Robert A. McGuire and Philip R.P. Coelho, 2011, Cambridge MA: MIT Press. *Am J Hum Biol* 24(4):581-2. doi:10.1002/ajhb.22291

Published Abstracts

1. St-Pierre M, Sinclair I, **Dancause KN**. Relationships between psychosocial stress and health behaviors among Canadian adults. Poster presentation at the 85th Congrès de l'ACFAS (Association canadienne-française pour l'avancement des sciences). 10 May 2017, Montreal, QC, Canada.
2. Sinclair I, St-Pierre M, **Dancause KN**. Relationships between stress and health behaviors among nonpregnant, pregnant, and breastfeeding Canadian women. Poster presentation at

- the 85th Congrès de l'ACFAS (Association canadienne-française pour l'avancement des sciences). 10 May 2017, Montreal, QC, Canada.
3. Pomer A, Buffa G, Taleo F, Sizemore JH, Chan CW, Kaneko A, Tokon A, Taleo G, **Dancause KN**. Maternal distress and dietary diversity one year after a natural disaster: “Healthy Mothers, Healthy Communities” study in Vanuatu. Poster presentation at the 42nd annual meeting of the Human Biology Association. 19 April 2017, New Orleans, LA, USA. <http://www.humbio.org/2017build/wp-content/uploads/2017/04/2017-HBA-Schedule-.pdf>
 4. Buffa G, Pomer A, Taleo F, Sizemore JH, Chan CW, Kaneko A, Tokon A, Taleo G, **Dancause KN**. Psychosocial health in developing countries: Assessing depression and perceived stress among women in Vanuatu, 2016. Poster presentation at the 42nd annual meeting of the Human Biology Association. 19 April 2017, New Orleans, LA, USA.
 5. Gilbert M, Chaubet P, **Dancause KN**. Relationships between perceptions of the course and the personal trainer and participation in group exercise among Quebec adults. Poster presentation at the Congrès 2016, Fédération des éducateurs et éducatrices physiques enseignants du Québec (FÉÉPEQ). 29 October 2016, Trois-Rivières, QC, Canada.
 6. Cao-Lei L, **Dancause KN**, Elgbeili G, Laplante DP, Szyf M, King S. Mediation effects of DNA methylation on the impact of exposure to the prenatal maternal stress from the 1998 Quebec ice storm on metabolic outcomes at age 13½ (2016) Poster presentation at the 3rd Canadian Conference on Epigenetics “Epigenomics in Development and Disease”. September 18-21, Esterel, Quebec, Canada.
 7. Weitz CA, Chan CW, **Dancause KN**, Kaneko A, Lee G, Olszowy KM, Pomer A, Regenvanu R, Silverman H, Sun C, Taleo G, Tarivonda L, Lum JK, Garruto RM (2016) Smoking tobacco rolled in atypical media significantly lowers lung function among male smokers in Vanuatu. Podium presentation at the conference “Modernization and Health in the Asia-Pacific Region”. August 19-21, Hilo, HI, USA.
 8. Pomer A, Olszowy KM, Sun C, **Dancause KN**, Chan CW, Silverman H, Lee G, Tarivonda L, Taleo G, Kaneko A, Weitz CA, Garruto RM, Lum JK (2016) Body size and age at menarche in Vanuatu, South Pacific. Podium presentation at the conference “Modernization and Health in the Asia-Pacific Region”. August 19-21, Hilo, HI, USA.
 9. Sun C, Pomer A, **Dancause KN**, Chan CW, Olszowy KM, Silverman H, Lee G, Tarivonda L, Taleo G, Regenvanu R, Kaneko A, Weitz CA, Garruto RM, Lum JK (2016) Adoption of consumer electronics as a risk factor for obesity during health transition in Vanuatu. Podium presentation at the conference “Modernization and Health in the Asia-Pacific Region”. August 19-21, Hilo, HI, USA.
 10. **Dancause KN**, Pomer A, Buffa G, Taleo F, Sizemore JH, Chan CW, Kaneko A, Tokon A, Taleo G (2016) Relationships between psychosocial health during pregnancy and child development in a rapidly modernizing country: “Healthy women, healthy communities” study in Vanuatu. Podium presentation at the conference “Modernization and Health in the Asia-Pacific Region”. August 19-21, Hilo, HI, USA.
 11. Roome A, Olszowy KM, **Dancause KN**, Pomer A, Soloway L, Sun C, Silverman H, Lee G, Chan CW, Tarivonda L, Taleo G, Abong M, Regenvanu R, Kaneko A, Weitz CA, Lum JK, Garruto RM (2016) Impact of modernization on activity patterns among Ni-

- Vanuatu populations. Poster presentation at the conference “Modernization and Health in the Asia-Pacific Region”. August 19-21, 2016, Hilo, HI, USA.
12. Pomer A, Taleo F, Sizemore H, Tokon A, Taleo G, Tarivonda L, **Dancause KN** (2016) Psychosocial distress following a natural disaster in a lower-middle income country: “Healthy mothers, healthy communities” study in Vanuatu. Poster presentation at the 41st Annual Meeting of the Human Biology Association. Atlanta GA, USA, April.
 13. **Dancause KN**, Pomer A, Olszowy KM, Sun C, Silverman H, Lee G, Chan CW, Tarivonda L, Regenvanu R, Kaneko A, Weitz CA, Lum JK, Garruto RM. (2016) Impact of modernization on child growth and obesity risk in Vanuatu. Podium presentation at the 41st Annual Meeting of the Human Biology Association. Atlanta GA, USA, April.
 14. Bower K, Pomer A, Olszowy KM, Sun C, Lee G, Chan CW, Silverman H, **Dancause KN**, Tarivonda L, Taleo G, Abong M, Regenvanu R, Kaneko A, Weitz C, Lum JK, Garruto MR (2015) Maximal voluntary contraction (MVC) and its relationship with muscle and fat composition in Vanuatu. Poster presentation at the 40th Annual Meeting of the Human Biology Association. St Louis MO, USA, April.
http://humbio.org/documents/2015%20HBA%20PROGRAM_final.pdf
 15. Buffa G, Olszowy KM, Sun C, Silverman H, Pomer A, **Dancause KN**, Lee G, Chan CW, Tarivonda L, Taleo G, Abong M, Regenvanu R, Kaneko A, Weitz CA, Lum JK, Garruto RM (2015) Changes in adult blood pressure associated with modernization in the Republic of Vanuatu: 2007-2011. Poster presentation at the 40th Annual Meeting of the Human Biology Association. St Louis MO, USA, April.
http://humbio.org/documents/2015%20HBA%20PROGRAM_final.pdf
 16. Loud SM, Pomer A, Olszowy KM, Sun C, **Dancause KN**, Chan CW, Silverman H, Lee G, Tarivonda L, Taleo G, Abong M, Regenvanu R, Kaneko A, Weitz CA, Garruto RM, Lum JK (2015) Comparing diet patterns among student resident subgroups in Aneityum, Vanuatu. Poster presentation at the 40th Annual Meeting of the Human Biology Association. St Louis MO, USA, April.
http://humbio.org/documents/2015%20HBA%20PROGRAM_final.pdf
 17. Mann H, Li I, Spathis R, Olszowy KM, Sun C, Silverman H, Pomer A, **Dancause KN**, Lee G, Chan CW, Tarivonda L, Taleo G, Abong M, Regenvanu R, Kaneko A, Weitz CA, Garruto RM, Lum JK (2015) Contribution of economic development to central adiposity and elevated C-reactive protein levels in older females from Vanuatu. Poster presentation at the 40th Annual Meeting of the Human Biology Association. St Louis MO, USA, April. http://humbio.org/documents/2015%20HBA%20PROGRAM_final.pdf
 18. Olszowy KM, Pomer A, **Dancause KN**, Sun C, Silverman H, Lee G, Chan CW, Tarivonda L, Taleo G, Abong M, Regenvanu R, Kaneko A, Weitz CA, Lum JK, Garruto RM (2015) Secular changes in adult stature across four Melanesian islands of varying economic development in Vanuatu: Implications for chronic disease risk. Poster presentation at the 40th Annual Meeting of the Human Biology Association. St Louis MO, USA, April. http://humbio.org/documents/2015%20HBA%20PROGRAM_final.pdf
 19. Pomer A, Olszowy KM, Sun C, **Dancause KN**, Chan CW, Silverman H, Lee G, Tarivonda L, Taleo G, Abong M, Regenvanu R, Kaneko A, Weitz CA, Garruto RM, Lum JK. Height and reproductive success in Ni-Vanuatu women. Poster presentation at the 40th

- Annual Meeting of the Human Biology Association. St Louis MO, USA, April.
http://humbio.org/documents/2015%20HBA%20PROGRAM_final.pdf
20. **Dancause KN***, Cao L *, Laplante D, Hart KJ, O'Hara MW, Elgbeilli G, Liu A, Brunet A, King S (2015) Genotype moderates effects of prenatal maternal stress due to a natural disaster on growth in infancy and early childhood: The Iowa Flood Study. Oral presentation at the Canadian National Perinatal Research Meeting, 25 February. Montebello QC, Canada. <http://www.saac.chu-sainte-justine.org/pages/CNPRM%202015%20programme%20FINAL-%2013fev.pdf>
*These authors contributed equally to this work.
 21. King S, **Dancause KN**, O'Hara MW, Hart KJ, Laplante DP, Engeldinger J, Yu C, Brunet A (2014) COMT genotype moderates effects of prenatal maternal stress due to a natural disaster on birth outcomes: The Iowa Flood Study. Poster presentation at the *International College of Neuropsychopharmacology (CINP) World Congress of Neuropsychopharmacology*. Vancouver, Canada, June. <http://www1.cinp-congress.org/guest/AbstractView?ABSID=11703>
 22. Bower K, Roome A, Olszowy KM, Ngwele D, Tarivonda L, Lum JK, **Dancause KN**, Garruto RM (2014) Evaluating obesity using waist to height ratio as a predictor of cardiometabolic disease risk in adult Melanesians in Vanuatu. Poster presentation at the *39th Annual Meeting of the HBA (Human Biology Association)*. Calgary, Canada, April. <http://humbio.org/documents/2014Program.pdf>
 23. Olszowy KM, Roome A, Bower K, Ngwele D, Tarivonda L, Lum JK, **Dancause KN**, Garruto RM (2014) Understanding the impact of maternal obesity on childhood nutritional status in an urban Ni-Vanuatu community. Poster presentation at the *39th Annual Meeting of the HBA (Human Biology Association)*. Calgary, Canada, April. <http://humbio.org/documents/2014Program.pdf>
 24. **Dancause KN**, Cao L, Veru F, Laplante DP, King S (2014) Relationships between prenatal stress and later physical growth and metabolic health. Podium presentation at the Montreal Postdoctoral Research Day. Montreal, Canada, April.
 25. King S, Laplante DP, **Dancause KN**, Nylen KJ, O'Hara MW (2013). Prenatal maternal stress due to a natural disaster predicts birth weight and length: the Iowa Flood Study. Poster presentation at the *8th World Congress on Developmental Origins of Health and Disease*. Singapore, November. *J Dev Orig Hlth Dis* 4 (S2):S207.
 26. **Dancause KN**, Veru F, Andersen R, Laplante DP, King S (2013). Prenatal stress due to a natural disaster predicts insulin secretion in adolescence. Poster presentation at the *SRCD (Society for Research in Child Development) Biennial Meeting*. Seattle WA, USA, 20 April. http://www.srcd.org/sites/default/files/documents/2013_srcd_program_book.pdf
 27. **Dancause KN**, O'Hara MW, Nylen KJ, Laplante DP, Engeldinger J, Yu C, Brunet A, King S (2013) Prenatal stress due to a natural disaster predicts birth weight and length: The Iowa Flood Study. Podium presentation at the *Centre for Research in Human Development* annual conference "Successful Development." Montreal QC, Canada, February.
 28. **Dancause KN**, Veru F, Laplante DP, King S (2012). Effects of exposure to a natural disaster during pregnancy on physical and metabolic outcomes in childhood and adolescence: Project Ice Storm. Podium presentation at the *Developmental Origins of*

Health and Disease (DOHaD) 2012 Satellite Meeting “New Developments in Developmental Epidemiology.” Rotterdam, Netherlands, December. <http://download.e-pubs.nl/45/Generation%20R.pdf>

29. Laplante DP, **Dancause KN**, Turcotte-Tremblay AM, Nylen K, Engeldinger J, O’Hara M, King S (2012) The Effects of Prenatal Stress on Birth and Health Outcomes of Exposed Offspring: Project Ice Storm and the Iowa Flood Study. Podium presentation at the *XVIII International Conference on Infant Studies*. Minneapolis MN, USA, June. http://www.isisweb.org/SpringboardWebApp/userfiles/isis/file/ICIS2012_Abstract_Book.pdf
30. Lee G, Chan CW, Pomer A, Sun C, Olszowy KM, Silverman H, **Dancause KN**, Weitz C, Lum JK, Garruto RM (2012) Increase in grip strength to cross sectional area ratios among modernized populations in Vanuatu. Poster presentation at the *37th Annual Meeting of the HBA (Human Biology Association)*. Portland OR, USA, April. *Am J Hum Biol* 24:209.
31. Silverman H, Sun C, Pomer A, Chan CW, **Dancause KN**, Lee G, Olszowy KM, Weitz C, Garruto RM, Lum JK (2012) Modernization and differential physical activity among the islands of Vanuatu. Poster presentation at the *37th Annual Meeting of the HBA*. Portland OR, USA, April. *Am J Hum Biol* 24:212.
32. Sun C, Silverman H, Pomer A, Chan CW, Olszowy KM, **Dancause KN**, Lee G, Weitz C, Garruto RM, Lum JK (2012) When Apple meets Kava: Impact of technology on traditional lifestyles in Vanuatu. Poster presentation at the *37th Annual Meeting of the HBA*. Portland OR, USA, April 2012. *Am J Hum Biol* 24:212.
33. Olszowy KM, Pomer A, **Dancause KN**, Sun C, Silverman H, Chan CW, Lee G, Weitz C, Lum JK, Garruto RM (2012) Exploring the health transition in Vanuatu: Longitudinal data comparisons from 2007 to 2011. Poster presentation at the *37th Annual Meeting of the HBA*. Portland OR, USA, April. *Am J Hum Biol* 24:212.
34. Pomer A, Chan CW, **Dancause KN**, Lee G, Olszowy KM, Silverman H, Sun C, Weitz C, Garruto RM, Lum JK (2012) Change in age at menarche in Vanuatu. Podium presentation at the *37th Annual Meeting of the HBA*. Portland OR, USA, April. *Am J Hum Biol* 24:214.
35. Lum JK, Sun C, Silverman H, Pomer A, Chan CW, Olszowy K, **Dancause KN**, Lee G, Weitz C, Garruto RM. Contribution of Kava (*Piper methysticum*) consumption to sex biased rates of obesity in Vanuatu (2012) Podium presentation at the *37th Annual Meeting of the HBA*. Portland OR, USA, April. *Am J Hum Biol* 24:215.
36. **Dancause KN**, Laplante DP, Fraser S, Ruiz-Culebro C, Brunet A, Ciampi A, Schmitz N, King S. Impact of prenatal maternal stress on birth outcomes and physical growth: Project Ice Storm (2011) Podium presentation at the *36th Annual Meeting of the HBA*. Minneapolis MN, USA, April. *Am J Hum Biol* 23(2):255-6.
37. **Dancause KN**, Vilar M, Chan CW, DeHuff C, Wilson M, Soloway LE, Tarivonda L, Regenvanu R, Kaneko A, Garruto RM, Lum JK (2011) The combined burden of infectious diseases, undernutrition, and obesity in developing countries: Health transition in Vanuatu. Poster presentation at the SRCO. Montréal QC, Canada, April.

38. Laplante DP, **Dancause KN**, Ruiz-Culebro C, Fraser S, King S (2011) Prenatal maternal stress impacts fetal outcomes: Project Ice Storm. Poster presentation at the *SRCD Biennial Meeting*. Montréal QC, Canada, April.
39. **Dancause KN**, Laplante DP, Fraser S, Brunet A, Ciampi A, Schmitz N, King S. Prenatal exposure to a natural disaster increases risk for obesity in children (2010) Poster presented at the *3rd Conference on Recent Advances in the Prevention and Treatment of Childhood and Adolescent Obesity*. Hamilton ON, Canada, October. http://www.interprofessional.ubc.ca/Brochures/Obesity2010_Abstract_Listing.pdf.
40. Needham KD, Vilar M, Chan CW, Soloway LE, DeHuff C, Wilson M, Tarivonda L, Kaneko A, Garruto RM, Lum JK (2009) Effects of malaria control and modernization on health across the lifespan: the health transition in Vanuatu. Podium presentation at the *78th Annual Meeting of the AAPA (American Association of Physical Anthropologists)*. Chicago IL, USA, April. *Am J Phys Anth* 138(S48):198-9.
41. Needham KD, Yevtushok L, Lapchenko S, Wertelecki W, Garruto RM. Dietary and activity patterns and implications for birth defects in the Chernobyl impacted Rivne-Polissia region of Ukraine (2009) Podium presentation at the *34th Annual Meeting of the HBA*, Chicago IL, USA, April. *Am J Hum Biol* 21(2):261-2.
42. DeHuff C, Soloway LE, Needham KD, Wilson M, Vilar M, Chan C, Regenvanu R, Tarivonda L, Kaneko A, Lum JK, Garruto RM (2008) Health transition in Vanuatu: adult adiposity and economic development. Poster presented at the *33rd Annual Meeting of the HBA*. Columbus OH, USA, April. *Am J Hum Biol* 20(2):217-8.
43. Lichtenfeld MJ, Worne H, Walker S, Tavares A, Lynch D, Chan C, Arber C, Gego D, Sunderman S, Soloway L, Needham K, Edwards CA, O'Brien D, Little MA, Garruto RM (2008) Overweight and obesity in immigrant and multigenerational school children in upstate New York communities. Poster presented at the *33rd Annual Meeting of the HBA*. Columbus OH, USA, April. *Am J Hum Biol* 20(2):226.
44. Needham KD, Wilson M, DeHuff C, Vilar M, Chan CW, Soloway LE, Regenvanu R, Tarivonda L, Kaneko A, Garruto RM, Lum JK (2008) Health transition in Vanuatu: changing dietary patterns and cardiovascular disease risk with economic development among adults. Poster presented at the *33rd Annual Meeting of the HBA*. Columbus OH, USA, April. *Am J Hum Biol* 20(2):229.
45. Soloway L, Needham KD, DeHuff C, Wilson M, Vilar M, Chan CW, Regenvanu R, Tarivonda L, Kaneko A, Garruto RM, Lum JK (2008) Health transition in Vanuatu: blood pressure in adults. Poster presented at the *33rd Annual Meeting of the HBA*. Columbus OH, USA, April. *Am J Hum Biol* 20(2):233-4.
46. Vilar M, Chan CW, Soloway L, DeHuff C, Needham KD, Wilson M, Regenvanu R, Tarivonda L, Kaneko A, Garruto RM, Lum JK. Health transition in Vanuatu: the effects of modernization and malaria control on child growth (2008) Poster presented at the *33rd Annual Meeting of the HBA*. Columbus OH, USA, April. *Am J Hum Biol* 20(2):237.
47. Yevtushok L, Needham KD, Lapchenko S, Wertelecki W, Garruto R. Dietary and Activity Patterns and Implications on Birth Defects in the Chornobyl Impacted Rivne-Polissia Region in Ukraine (2008) Poster presented at the *1st Central and Eastern European Summit on Preconception Health and Prevention of Birth Defects*. Budapest, Hungary, August. http://www.ibis-birthdefects.org/start/2008_summit.htm#6.

48. Lichtenfeld MJ, Worne H, Walker S, Tavaresi A, Lynch D, Chan CW, Gebo D, Sunderman S, Soloway L, Needham KD, Edwards CA, Delafield S, Little MA, Garruto RM (2007) Health transitions in school children: obesity and overweight in Broome County, New York. Poster presented at the *32nd Annual Meeting of the HBA*. Philadelphia PA, USA, March. *Am J Hum Biol* 19(2):264-5.
49. Needham KD, Gray SJ (2007) Effects of beer commercialization on children's health in Karamoja. Poster presented at the *32nd Annual Meeting of the HBA*. Philadelphia, Pennsylvania PA, USA, March. *Am J Hum Biol* 19(2):269-70.
50. Needham KD, Gray SJ (2006) "Even the tobacco gets drunk": The nutritional, economic, and social importance of beer among the Karimojong. Poster presented at the *66th Annual Meeting of the SFAA (Society for Applied Anthropology)*. Vancouver BC, Canada, March. <http://www.sfaa.net/sfaa2006/SfAA2006Program.pdf>.
51. Needham KD, Gray SJ, Akol AH (2006) The influence of commercialization on the direct and indirect nutritional value of sorghum beer in the diets of the Karimojong. Poster presented at the *31st Annual Meeting of the HBA*. Anchorage AL, USA, March. *Am J Hum Biol* 18(2):264.
52. Needham KD, Gray SJ, Akol AH (2005) Beer production, consumption, and sale among the Karimojong: A preliminary assessment of increased commercialization on nutrition and social regulations of drinking. Podium presentation at the *Mid-American Alliance for African Studies Conference: African Cultures in the Face of Globalization*. Springfield MO, USA, October.

Section V – Research Collaborations

06/2011-present **SPIRAL (Stress in Pregnancy International Research Alliance)**

On-going collaboration with researchers from McGill University (Canada), University of Iowa (USA), and Mater Research (Australia) on three prospective longitudinal studies of prenatal stress due to natural disasters

Personal contributions: Continued participation in grant applications, assessment design, data analyses, and publication. Participated in the creation of assessment protocols in all three studies, with a focus on children's physical growth and metabolic development.

05/2007-present **Health Transition in Vanuatu**

On-going collaboration with researchers from the Binghamton University Department of Anthropology (USA), Temple University Department of Anthropology (USA), Karolinska Institutet Infectious Disease Unit (Sweden), and the Vanuatu Ministry of Health (Republic of Vanuatu) to investigate the pace and progress of health transition in the archipelago

Personal contributions: Continued participation in grant applications, assessment design, data analyses, and publication. Participated in study design, fieldwork in 2007 and 2011, and analyses and publication of the data collected.

07/2008-present **Radiation exposure in Ukraine**

On-going collaboration with researchers from the Binghamton University Department of Anthropology (USA), University of South Alabama Department of Medical Genetics (USA), and Rivne Regional Children's Clinical Hospital (Ukraine) to assess long-term health effects of chronic radiation exposure

Personal contributions: Designed a survey to assess dietary and behavioral patterns and analyzed their roles as potential radiation exposure routes in a region contaminated during the 1986 Chernobyl nuclear disaster (Dancause et al.2010, *Am J Hum Biol*).

08/2006-05/2010 **Chronic Wasting Disease (CWD) in NY**

Collaboration of researchers from the Binghamton University Department of Anthropology and Broome County (NY) Health Department (USA) to assess health effects of a known point-source exposure to CWD, a prion disease

Personal contributions: Participated in data entry, analyses, and preparation of manuscript describing a point-source exposure to CWD (Garruto et al.2008, *Environmental Health*)

08/2006-05/2009 **Overweight and obesity in New York school children**

Collaboration between the Binghamton University Department of Anthropology and Broome County (NY) Health Department (USA) on behavioral determinants of childhood obesity.

Personal contributions: Collected anthropometric measurements among 11-12-year old students at three elementary schools in NY

Section VI – Supervision and Teaching Experience

Student Supervision

Doctorat (n=1)

Principal Supervisor

Isabelle Sinclair (2018-2022)

Université du Québec à Montréal (UQÀM), Institute of Health and Society

Project Title: *Long-term effects of pregnancy diseases on maternal health: The applicability of existing interventions*

Master's, Thesis (n=6)

Principal Supervisor

Ann-Sophie Therrien (2018-2020)

Université du Québec à Montréal (UQÀM), Department of Physical Activity Sciences

Project Title: *Relationships between psychosocial stress and health behaviors with child growth patterns in low- and middle-income countries*

Principal Supervisor

Chahra Arfouni (2018-2020)

Université du Québec à Montréal (UQÀM), Department of Chemistry and Biochemistry

Project Title: *Psychosocial stress in pregnancy among socially disadvantaged women: Relationships between stress biomarkers and perceived stress*

Principal Supervisor

Ouassila Benhelal (2018-2020)

Université du Québec à Montréal (UQÀM), Department of Chemistry and Biochemistry

Project Title: *Hair cortisol during pregnancy: Relationships with birth outcomes among socially disadvantaged women*

Principal Supervisor

Isabelle Sinclair (2016-2018)

Université du Québec à Montréal (UQAM) Department of Physical Activity Sciences

Project Title: *Effects of psychosocial stress during pregnancy on infant outcomes at birth among socially disadvantaged women*

Principal Supervisor

Myriane St-Pierre (2016-2018)

Université du Québec à Montréal (UQAM) Department of Physical Activity Sciences

Project Title: *Relationships between stress and health behaviors during pregnancy among socially disadvantaged women*

Principal Supervisor

Monique Gilbert (2015-2017)

Université du Québec à Montréal (UQAM) Department of Physical Activity Sciences

Project Title: *Relationships between perceptions of the personal trainer and course and adherence to group exercise among Quebec adults*

Master's, non-Thesis (n=1)

Principal Supervisor, Independent Research Internship

Giavana Buffa (Completed; 2015-2017)

University at Albany, School of Public Health

Project Title: *Relationships between acute and chronic stress during pregnancy and infant birth outcomes in a lower-middle income country: the "Healthy Mothers, Healthy Communities" study in Vanuatu*

Principal Supervisor, Independent Research Internship

Salomé Dahan (2017)

University of Haifa (Israel), School of Public Health

Project Title: *Relationships between prenatal stress and child development in developing and low- and middle-income countries*

Bachelor's (n=7)

Principal Supervisor, Independent Research Internship

Sarah-Laurence Morin (2018-2019)

Université du Québec à Montréal (UQÀM), Département des sciences l'activité physique

Project Title: *Relationships between maternal depression during pregnancy and birthweight in Vanuatu, South Pacific*

Principal Supervisor, Independent Research Internship

Tatiana Zahlawi (2017-2018)

Université du Québec à Montréal (UQÀM), Département des sciences l'activité physique

Project Title: *Psychosocial support during displacement due to natural disaster: Relationships with distress in a lower middle-income country*

Principal Supervisor, Independent Research Internship

Marilyne Camille (2016-2017)

Université du Québec à Montréal (UQAM) Department of Physical Activity Sciences

Project Title: *Effects of a natural disaster on birthweight in Vanuatu, South Pacific*

Principal Supervisor, Independent Research Internship

Noushin Roofigari (2016-2017)

Université du Québec à Montréal (UQAM) Department of Physical Activity Sciences

Project Title: *Effects of chronic stress during pregnancy on offspring outcomes: analyzing the mediating effects of dietary change using a rat model*

Principal Supervisor, Independent Research Internship

Magalie Bernier (2015-2016)

Université du Québec à Montréal (UQAM) Department of Physical Activity Sciences

Project Title: *Relationships between psychosocial stress and diet among pregnant and non-pregnant women in Vanuatu: the "Healthy Mothers, Healthy Communities" study*

Co-Supervisor, Independent Research Internship
 Dima Mutran (2014-2015)
 McGill University, School of Dietetics and Human Nutrition
 Project Title: *Dietary change mediates the effects of stress during pregnancy on birth outcomes: The QF2011 Study*

Principal Supervisor, Independent Research Internship
 Olivier Parent (2014-2015)
 Université du Québec à Montréal (UQAM) Department of Physical Activity Sciences
 Project Title: *Outdoor sports activities and environmental awareness*

Mentorship

2016-present: Member of the Canadian Society for International Health MentorNet program that pairs students and young professionals interested in global health with global health experts for an 8-month mentor program.

Mentees

2018 : Michal Shimonovich, Research synthesis officer, Healthcare Infection Society
 2017: Zoe Chung, Sexual and Gender-Based Violence Specialist at *EVE for Life*, a non-governmental organization supporting women and children living with HIV/AIDS.

Course Development/Instructor of Record

2014-2017 (2-trimester course)	Méthodes de recherche (Research Methods, Master's) KIN 8611 Université du Québec à Montréal, QC, Canada 1 section of 5 credit hours (2 credits in autumn trimester, 3 credits in spring trimester), 15-20 students
2015-2016 (autumn trimester)	Promotion de la santé (Health Promotion, Bachelor's) KIN3620 1 section of 1 credit hour, 30-35 students
09/2014-11/2014	Méthodes de recherche (Research Methods, Bachelor's) KIN 1510 Université du Québec à Montréal, QC, Canada 2 sections of 3 credit hours each, 105 students
05/2009-08/2009	General Anthropology (Bachelor's) ANTH 101 Monroe Community College, Rochester NY, USA 3 credit hours; 24 students
01/2009-05/2009	Cultural Anthropology (Bachelor's) ANTH 102 Monroe Community College, Rochester NY, USA 3 credit hours; 20 students
01/2008-05/2008	Anthropology of Food & Nutrition (Bachelor's) ANTH 280N Binghamton University, Binghamton NY, USA 3 credit hours; 30 students

Course Lectures

2013,
2015-2016 **Méthodes de recherche (Research Methods, Bachelor's)** KIN 1510
 Université du Québec à Montréal, QC, Canada
Méthodes de recherche en santé des populations
 2 lectures per year (autumn trimester)

Section Instructor

01/2009-05/2009 **Introduction to Physical Anthropology** ANTH 168
 Binghamton University, Binghamton NY, USA
 3 credit hours; 1 weekly lab and 1 weekly discussion section, 30 students

08/2008-12/2008 **Introduction to Cultural Anthropology** ANTH 166
 Binghamton University, Binghamton NY, USA
 3 credit hours; 2 weekly discussion sections, 30 students

08/2007-12/2007 **Plagues, Culture, and History** ANTH 244
 Binghamton University, Binghamton NY, USA
 3 credit hours; 1 weekly discussion section, 30 students

08/2006-05/2007,
01/2008-05/2008 **Language, Culture, and Communication** ANTH 114
 Binghamton University, Binghamton NY, USA
 3 credit hours; 2 weekly discussion sections, 30 students

01/2005-05/2005 **Introduction to Human Nutrition** ANTH 542
 University of Kansas, Lawrence KS, USA
 3 credit hours; 1 weekly discussion section, 50 students

Teaching Assistant

08/2000-12/2000 **General Psychology** Psych 110
 Kansas State University, Manhattan KS, USA
 3 credit hours; 1 weekly tutoring section, 40 students

08/1999-12/1999 **Introduction to the Honors Program** Psych 020
 Kansas State University, Manhattan KS, USA
 1 credit hour; 1 weekly tutoring section, 15 students

Tutor

01/1998-05/2000 Academic Assistance Center
 Kansas State University, Manhattan KS, USA

General Chemistry (CHEM 110), Chemistry I (CHEM 210), Chemistry II (CHEM 230), General Physics I (PHYS 113), Organismic Biology (BIOL 210), General Calculus (MATH 205)

Section VII – Professional Services and Development

Invited Lectures

Canadian Obesity Summit 2017, Banff AB, Canada

Prenatal stress and obesity: Results from the Stress in Pregnancy International Research Alliance (SPIRAL)

27 April 2017

University of Colorado Boulder, Natural Hazards Center, Boulder CO, USA

Short and long-term psychosocial distress following a natural disaster in a lower-middle income country: “Healthy women, healthy communities” study in Vanuatu

3 April 2017

Université du Québec à Montréal (UQAM), Montreal QC, Canada

Institut Santé et société (ISS) Videoconference Seminar Series, topic: Obesity

Expanding research and interventions related to obesity

16 Sept 2015

Université du Québec à Montréal (UQAM), Montreal QC, Canada

Centre BioMed

Prenatal stress and the developmental origins of obesity: Evidence, research gaps, and future research directions

20 Jan 2015

Université du Québec à Montréal (UQAM), Montreal QC, Canada

Groupe de Recherche en Activité Physique Adaptée (GRAPA)

Stress and nutrition during pregnancy: interactive effects on child growth and obesity

9 Dec 2014

Binghamton University, Binghamton NY, USA

Evolutionary Studies Program (EVoS) Seminar Series

Obesity begins before birth? Effects of maternal nutrition, stress, and other health behaviors on children's lifelong cardiometabolic health

10 Nov 2014

Douglas Hospital Research Center, Montreal QC, Canada

Stress in Pregnancy International Research Alliance (SPIRAL) Conference

Prenatal Stress and Child Development - Physical Growth

18 Sept 2014

McGill University, Montreal QC, Canada

Global Health Research Capacity Strengthening Program Summer School

Non-communicable diseases across the lifespan: Early environment, health behaviors, and population health

20 Aug 2013

Health Canada, Montreal QC, Canada

First Nations and Inuit Health

Relationships between early development and later chronic disease risk: Relevance for First Nations communities

27 March 2013

Douglas Hospital Research Center, Montreal QC, Canada

Psychosocial Research Division

Natural experimental models of population nutrition and health

27 Aug 2009

Invited Lectures (University Courses)**McGill University, Montréal (QC), Canada**Division of Social & Transcultural Psychiatry, 24th Annual Summer Program in Social and Cultural Psychiatry: Global Mental Health Research*Measuring psychosocial stress in the context of climate change in Vanuatu*

30 March 2016

8 April 2015

Université du Québec à Montréal (UQAM), Montreal QC, Canada

ISS9400: Développement d'interventions en santé

Broadening the scope of research and interventions in population health

8 Apr 2015

Université du Québec à Montréal, QC, Canada

Département de kinanthropologie

Early development and population health: Risk of obesity across the lifespan

26 March 2013

Binghamton University, Binghamton NY, USA

Graduate course: Methods in Biomedical Anthropology

Health transition in Vanuatu

18 March 2009

Diet and health in Polissia, Ukraine

11 March 2009

Undergraduate course: People of the Pacific

Effects of modernization on health across the lifespan

2 December 2008

Biomedical Anthropology Lecture Series

Economic development and chronic disease: Health consequences of cultural change in Vanuatu

30 April 2008

Interviews

Actualités UQAM (Montreal, Canada)

Knowledge translation: Relationships between prenatal stress and adiposity

<http://www.actualites.uqam.ca/2015/stress-prenatal-et-obesite>. June 2015

Pipe Dreams, le Journal étudiant de Binghamton University (NY, États-Unis)

Obesity, physical activity, nutrition and stress: Interdisciplinary opportunities

<http://www.bupipedream.com/news/43049/evos-talk-examines-ways-prenatal-stress-diet-tie-to-obesity/>. May 2015

EVoS (Evolutionary Studies Program) à Binghamton University (NY, États-Unis)

The role of evolutionary studies in health sciences: <https://vimeo.com/129921049>

November 2014

Journal Reviews

AIMS Public Health (1 manuscript)

American Journal of Human Biology (3 manuscripts)

American Journal of Physical Anthropology (2 manuscripts)

Annals of Human Biology (1 manuscript)

BMC Genetics (1 manuscript)

BMC Public Health (4 manuscripts)

BMJ Open (1 manuscript)

Canadian Medical Association Journal (CMAJ) (1 manuscript)

Ecology of Food and Nutrition (1 manuscript)

Economics and Human Biology (1 manuscript)

Journal of Pediatric Nursing (2 manuscripts)

Journal of Sport for Development (1 manuscript)

Mitochondrial DNA (1 manuscript)

NHSA (National Head Start Dialog) (1 manuscript)

PLoS One (18 manuscripts)

Social Science and Medicine (5 manuscripts)

Committees

Executive Committee Member

2015-present

Département des sciences de l'activité physique, Université du Québec à Montréal

Review Committee Member

2011 *Nair Awards* (recognizing excellence in student research and publication)

Douglas Hospital Research Center, Montreal QC, Canada

Session Chair, Organizing Committee Member

2010 *Student Research Day*

Douglas Hospital Research Center, Montreal QC, Canada

Editorial Board and Contributor

2011-2012 Centre for Research in Human Development (*CRDH*) *Dialogue* Newsletter, Fall 2011 and Winter 2012
Concordia University, Montréal, QC Canada

Volunteer Activities**Panelist, “Balancing the Personal and Professional”**

Organized by the student members of the Human Biology Association
42nd Annual Meeting of the Human Biology Association, April 2017, New Orleans, LA, USA

Panelist, “Early Career Researchers”

Organized by the student members of the American Association of Physical Anthropologists
85th Annual Meeting of the American Association of Physical Anthropologists, April 2017, New Orleans, LA, USA

2011 Brain Awareness Week Volunteer

Presented five lectures in two high schools on basic neuroanatomy and physiology, and the effects of drugs on brain development
Montréal QC, Canada

Student Senator, 2005-2006

University of Kansas, Lawrence, KS USA

Editor, *KU Anthropologist* Newsletter, 2004-2006

University of Kansas, Lawrence, KS USA

Presenter, Smoking Prevention Program, 2003

Presented four lectures in two elementary schools on the effects of tobacco on health.
University of Kansas Medical Center, Kansas City, KS USA

Professional Affiliations

08/2015-present	Canadian Society for International Health (CSIH) Ottawa, ON, Canada
08/2014-present	Groupe de Recherche en Activité Physique Adaptée (GRAPA) Montréal, QC, Canada
08/2014-present	Centre BioMed, Université du Québec à Montréal (UQAM) Montréal, QC, Canada
03/2010-present	Centre for Research in Human Development Concordia University, Montréal QC, Canada
08/2004-present	Human Biology Association, USA