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## **Dr. Melanie Henderson**

Correspondence language: English

Sex: Female

Date of Birth: 3/16

Canadian Residency Status: Canadian Citizen

Country of Citizenship: Canada

## **Contact Information**

The primary information is denoted by (\*)

### **Address**

#### Courier

CHU Sainte-Justine  
Division of Endocrinology  
3175 Chemin de la Côte Sainte-Catherine  
Montreal Quebec H3T 1C5  
Canada

#### Primary Affiliation (\*)

CHU Sainte-Justine  
Division of Endocrinology  
3175 Chemin de la Côte Sainte-Catherine  
Montreal Quebec H3T 1C5  
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### **Email**

Work (\*) melanie.henderson.hsj@gmail.com

## Dr. Melanie Henderson

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### Language Skills

Language	Read	Write	Speak	Understand	Peer Review
English	Yes	Yes	Yes	Yes	
French	Yes	Yes	Yes	Yes	
Spanish; Castilian	Yes	No	Yes	Yes	

### Degrees

2007/9 - 2014/2	<p>Doctorate, Ph.D Science, Epidemiology, McGill University Degree Status: Completed</p> <p>Supervisors: Katherine Gray-Donald</p>
2003/7 - 2007/6	<p>Master's Thesis, Master's of Science - Masters, Clinical Epidemiology, University of Toronto Degree Status: Completed</p> <p>Supervisors: Janet Hux</p>
2005/7 - 2006/6	<p>Post-doctorate, Pediatric endocrinology residency - M.D., Pediatric endocrinology, Université de Montréal Degree Status: Completed</p> <p>Supervisors: Non applicable</p>
2002/7 - 2005/6	<p>Post-doctorate, Pediatric endocrinology residency - M.D., Pediatric endocrinology, University of Toronto Degree Status: Completed</p> <p>Supervisors: Non applicable</p>
1999/7 - 2003/5	<p>Post-doctorate, Pediatric residency - M.D., Pediatrics, University of Toronto Degree Status: Completed</p> <p>Supervisors: Non applicable</p>
1995/8 - 1999/6	<p>Doctorate, Doctor of Medicine, Medicine, McGill University Degree Status: Completed</p> <p>Supervisors: Non applicable</p>
1992/8 - 1995/5	<p>Bachelor's, Bachelor's of Science, Occupational Therapy, Université de Montréal Degree Status: Completed</p> <p>Supervisors: Non applicable</p>

## Credentials

2005/1	CSPQ-Endocrinology, College des Medecins du Quebec Endocrinology
2005/1	FRCP(C)- Endocrinology, Royal College of Physicians and Surgeons of Canada Endocrinology
2004/1	Fellow, American Academy of Pediatrics Pediatrics
2003/1	FRCP(C)-Pediatrics, Royal College of Physicians and Surgeons of Canada Pediatrics
2003/1	CSPQ-Pediatrics, College des Medecins du Quebec Pediatrics
2002/1	U.S.M.L.E., National Board of Medical Examiners Not applicable
2000/1	L.M.C.C., Medical Council of Canada Not applicable
1999/6	M.D.C.M., McGill University Not applicable

## Recognitions

2018/9	ESPE President Poster Award European Society for Pediatric Endocrinology Prize / Award Poster title: More than a gut feeling: preliminary evidence supporting a role for lifestyle habits in shaping the intestinal microbiota in childhood and adolescence.
2018/7 - 2022/6	Chercheurs-boursiers cliniciens - Junior 2 - 156,357 (Canadian dollar) Fonds de recherche du Québec - Santé (FRQS) Prize / Award
2015/1	2014 Institute of Human Development, Child and Youth Health (IHDCYH) Talks Video Competition - Specially Commended Award - 1,500 (Canadian dollar) Canadian Institutes of Health Research Prize / Award Video title: Obesity in childhood: A better understanding of its consequences on cardiovascular health and the development of innovative strategies for treatment and prevention.
2014/9 - 2018/9	Career development award (declined) - 280,000 (Canadian dollar) Canadian Child Health Clinician Scientist Program Prize / Award
2014/7 - 2018/7	Career Enhancement Program Award - 20,000 (Canadian dollar) Canadian Child Health Clinician Scientist Program Prize / Award
2014/7 - 2018/7	Chercheur-boursier - Junior 1 - Volet Clinique et Épidémiologie - 243,230 (Canadian dollar) Fonds de recherche du Québec - Santé (FRQS) Prize / Award

2011/9 - 2013/9	CIHR Fellowship (declined in September 2012) - 110,000 (Canadian dollar) Canadian Institutes of Health Research Prize / Award
2011/9 - 2012/9	Scholarship matching funds - 30,000 (Canadian dollar) Hôpital Sainte Justine Prize / Award
2011/5	Excellence in poster presentation - 150 (Canadian dollar) Centre de Recherche CHU Ste-Justine Prize / Award Epidemiology
2010/5	Excellence in poster presentation - 150 (Canadian dollar) Centre de Recherche CHU Ste-Justine Prize / Award Epidemiology
2007/9 - 2011/9	Doctoral Research Award - 157,332 (Canadian dollar) Fonds de recherche du Québec - Santé (FRQS) Prize / Award
2007/9	Recruitment Excellence Fellowship Award - 5,000 (Canadian dollar) McGill University Prize / Award PhD in Epidemiology
2000/6	Nathan Sher Award - 0 North York Hospital Foundation Prize / Award Pediatrics
1999/5	Campbell Keenan Memorial Prize - 0 McGill University Prize / Award Clinical surgery

## User Profile

Researcher Status: Researcher

Engaged in Clinical Research?: No

Research Interests: lifestyle habits, specifically physical activity, fitness, sedentary behavior and dietary habits, and their impact on cardiometabolic health. Exercise interventions in adolescents with obesity and type 2 diabetes mellitus

Research Specialization Keywords: Clinical epidemiology, Diabetes, type 1 and type 2, Endocrinology, Exercise intervention, Insulin resistance, Obesity, Pediatrics

Research Centres: Centre de recherche du CHU Ste-Justine

Technological Applications: Research equipment

Disciplines Trained In: Endocrinology, Epidemiology and Biostatistics

Research Disciplines: Endocrinology, Epidemiology and Biostatistics

Areas of Research: Diabetes, Endocrine Disorders, Obesity

Fields of Application: Pathogenesis and Treatment of Diseases, Public Health

## Employment

2018/4	Associate Professor Pediatrics, Faculty of Medicine, Université de Montréal Full-time
2017/10	Deputy Chief - Axe Santé métabolique et cardiovasculaire Research Center, Hôpital Sainte Justine Part-time
2012/12	Co-director CIRCUIT (Centre pédiatrique d'intervention en prévention et en réadaptation cardiovasculaire) Pediatrics, Faculty of Medicine, Hôpital Sainte Justine Full-time
2012/10	Researcher Research Center, Faculty of Medicine, Hôpital Sainte Justine Full-time
2012/10	Pediatric Endocrinologist Endocrinology, Faculty of Medicine, Hôpital Sainte Justine Full-time
2012/10 - 2018/4	Clinical Assistant Professor Pediatrics, Faculty of Medicine, Université de Montréal Full-time, Assistant Professor
2007/5 - 2012/9	Pediatric Endocrinologist (Replacements) Pediatrics-Division of Endocrinology, Faculty of Medicine, Hôpital Sainte Justine Part-time
2005/7 - 2006/6	Pediatric Endocrinology Resident Pediatrics-Division of Endocrinology, Faculty of Medicine, Hôpital Sainte Justine Full-time
2002/7 - 2005/6	Pediatric Endocrinology Resident Pediatrics-Division of Endocrinology, Faculty of Medicine, The Hospital for Sick Children Full-time
1999/7 - 2003/7	Pediatric resident Pediatrics, Faculty of Medicine, The Hospital for Sick Children Full-time

## Affiliations

The primary affiliation is denoted by (\*)

2015/10	Clinical Assistant Professor - Secondary Affiliation, Médecine sociale et préventive, Université de Montréal
2014/9	Adjunct Professor, Epidemiology, Biostatistics & Occupational Health, McGill University
(*) 2012/10	Associate professor, Pediatrics, Université de Montréal
2012/10	Researcher, Research Center, Hôpital Sainte Justine
2012/10	Pediatrician and Endocrinologist, Pediatrics - Division of Endocrinology, Hôpital Sainte Justine

## Leaves of Absence and Impact on Research

2009/2 - 2010/2	Parental, McGill University Maternity leave
2006/6 - 2007/6	Parental, Université de Montréal Maternity leave
2004/5 - 2005/5	Parental, University of Toronto Maternity leave

## Research Funding History

### Awarded [n=24]

2019/7 - 2023/7 Co-investigator	Novel Role of Exercise Timing for Obesity Prevention and Treatment, Grant, Operating <b>Funding Sources:</b> 2019/7 - 2023/7 Canadian Institutes of Health Research (CIHR) Project Grant: Fall 2018 and Spring 2019 Total Funding - 275,400 (Canadian dollar) Funding Competitive?: Yes  Co-investigator : Barnett, Tracie; Chaput, Jean-Philippe; Dal Maso, Fabien; Reid, Ryan; St-Pierre, David;  Collaborator : Chagnon, Miguel; King, Neil A; Thivel, David; Tremblay, Angelo;  Principal Investigator : Drapeau, Vicky; Mathieu, Marie-Eve
2019/7 - 2023/7 Principal Investigator	Linking lifestyle behaviors, microbiota & cardiometabolic health from childhood to early adulthood: The QUALITY Cohort, Grant, Operating <b>Funding Sources:</b> 2019/7 - 2023/7 Canadian Institutes of Health Research (CIHR) Project Grant: Fall 2018 and Spring 2019 Total Funding - 1,089,360 (Canadian dollar) Funding Competitive?: Yes  Co-investigator : Barnett, Tracie; Benedetti, Andrea; Drapeau, Vicky; Marette, André; Mathieu, Marie-Ève; McGrath, Jennifer; Paradis, Gilles; Tremblay, Angelo; van Hulst, Andraea; Zappitelli, Michele;  Principal Investigator : Nicolau, Belinda
2018/3 - 2023/3 Principal Investigator	Evaluation of a group education program to improve the transition from pediatric to adult care for emerging adults with type 1 diabetes, Grant <b>Funding Sources:</b> Canadian Institutes of Health Research (CIHR) Project Grant Total Funding - 443,700 (Canadian dollar) Funding Competitive?: Yes  Co-investigator : Bell, Lorraine; Dasgupta, Kaberi; Hajizadeh, Mohammad; Prevost, Melinda; Rahme, Elham;  Principal Investigator : Nakhla, Meranda
2018/4 - 2022/4 Principal Investigator	BEhaviors, Therapies, TEchnologies and hypoglycemic Risk in Type 1 diabetes: The BETTER study, Grant, Operating

Clinical Research Project?: Yes

**Funding Sources:**

2018/4 - 2022/4 Canadian Institutes of Health Research (CIHR)  
Operating Grant : SPOR & JDRF - ICT Multi-Year Grant  
Total Funding - 3,000,000 (Canadian dollar)  
Funding Competitive?: Yes

Co-investigator : Bacon, Simon; Blais, Claudia; Boutin, Jean-Marie; Carpentier, Andre; Desjardins, Katherine; Després, Jean-Pierre; Fortier, Isabel; Karelis, Antony; O'Reilly, Daria; Racine, Eric; Rahme, Elham; Riddell, Michael; Weisnagel, John;

Co-knowledge User : Bandini, Aude; De Guise, Michelle; Dostie, Michel; Gaudet-Savard, Thierry; Pelletier, Jacques; Prevost, Melinda; Sasseville, Sebastien; Wright, Michael;

Collaborator : Astra-Zeneca; Azar, Mirna; Boulet, Geneviève; Cafazzo, Joseph; Caron, Philippe; Dexcom; Diabète Québec; Dupuis, Marie-Josée; D'Aoust, Émilie; FRED; Insulet; Leroux-Stewart, Josée; Lilly; Millette, Maude; NovoNordisk; Rottembourg, Diane; Sanofi; Simoneau-Roy, Judith;

Principal Investigator : Brazeau, Anne-Sophie; Dasgupta, Kaberi; Gagnon, Claudia; Hébert, Paul; Henderson, Melanie; Legault, Laurent; Nakhla, Meranda; Perkins, Bruce; Rabasa-Lhoret, Rémi;

Principal Knowledge User : Kearns, Patricia

2016/11 - 2021/11  
Co-investigator

Multisectoral Urban Systems for health and Equity in Canadian cities, Grant  
Clinical Research Project?: No

**Funding Sources:**

2016/11 - 2021/11 Canadian Institutes of Health Research (CIHR)  
Team Grant: Environments and Health: Intersectoral Prevention  
Research  
Total Funding - 2,000,000 (Canadian dollar)  
Portion of Funding Received - 1 (Canadian dollar)  
Funding Competitive?: Yes

Co-investigator : Barnett, Tracie; Benoit, François; Bilodeau, Angèle; Clement, Connie; Deny, Coralie; Drouin, Louis; Engler-Stinger, Rachel; Falkner, Vincianne; Fuller, Danie; Laurin, Isabelle; Lu, James; Lysyshyn, James; Macfarlane, Ronald; Morency, Patrick; Paquin, Sophie; Potvin, Louise; Robitaille, Éric; Sandhu, Jat; Sari, Nazmi; Stanton-Jean, Michèle; Winters, Meghan;

Principal Investigator : Daly, Patricia; Gauvin, Lise; Massé, Richard; Muhajarine, Nazeem; Neudorf, Cordell; Raynault, Marie-France

2015/10 - 2020/10  
Co-investigator

Neighbourhood Environment and Obesity in Children and Adolescents: Investigating  
Nocturnal and Diurnal Pathways, Grant  
Clinical Research Project?: Yes

**Funding Sources:**

2015/10 - 2020/9 Canadian Institutes of Health Research (CIHR)  
Operating Grant  
Total Funding - 444,820 (Canadian dollar)  
Portion of Funding Received - 1 (Canadian dollar)  
Funding Competitive?: Yes

Co-investigator : Chaix, Basile; Côté-Lussier, Carolyn; Datta, Geetanjali D; Kestens, Yan; Mathieu, Marie-Eve; Van Hulst, Andraea;

Principal Investigator : Barnett, Tracie A; McGrath, Jennifer J

2017/7 - 2019/7  
Principal Investigator Le rôle du stress oxydatif dans les maladies cardiovasculaires chez les jeunes diabétiques de type 1: l'étude CARDEA, Grant  
Clinical Research Project?: Yes

**Funding Sources:**

2017/7 - 2019/7 Diabète Québec  
Subvention pour la recherche  
Total Funding - 20,000 (Canadian dollar)  
Portion of Funding Received - 20,000 (Canadian dollar)  
Funding Competitive?: Yes

Co-investigator : Jean-Claude Lavoie; Jean-Luc Bigras; Marie-Eve Mathieu; Matthias Friedrich; Vicky Drapeau

2016/7 - 2019/7  
Principal Investigator Early myocardial morphologic and functional changes and their association with diet and physical activity in adolescents with type 1 diabetes, Grant  
Clinical Research Project?: Yes

**Funding Sources:**

2016/7 - 2019/6 Canadian Institutes of Health Research (CIHR)  
Project Scheme: 2016 1st Live Pilot  
Total Funding - 504,571 (Canadian dollar)  
Portion of Funding Received - 504,571 (Canadian dollar)  
Funding Competitive?: Yes

Co-investigator : Barnett, Tracie; Benedetti, Andrea; Bigras, Jean-Luc; Drapeau, Vicky; Mathieu, Marie-Eve; Nuyt, Anne-Monique; van Hulst, Andraea;

Collaborator : Geoffroy, Louis;

Principal Investigator : Friedrich, Matthias

2015/7 - 2019/7  
Co-investigator Comparison of dual-hormone artificial pancreas, single-hormone artificial pancreas and sensor-augmented pump therapy in outpatient settings, Grant  
Clinical Research Project?: Yes

**Funding Sources:**

2015/8 - 2019/7 National Institutes of Health (NIH) (USA)  
Diabetes Impact Award-Closed Loop Technologies (DP3)  
Total Funding - 2,509,367 (United States dollar)  
Portion of Funding Received - 1 (United States dollar)  
Funding Competitive?: Yes

Co-investigator : Carpentier, André; Haidar, Ahmad; Harris, Stewart; Hramiak, Irene; Lawson, Margaret; Legault, Laurent; Perkins, Bruce; Racine, Éric; Yale, Jean-François;

Principal Investigator : Rabasa-Lhoret, Rémi

2017/6 - 2019/6  
Co-investigator Non-type 1 diabetes mellitus - Canadian Paediatric Surveillance Program, Contract  
Clinical Research Project?: Yes

**Funding Sources:**

2017/6 - 2019/6 Public Health Agency of Canada and the Canadian Paediatric Society  
Canadian Paediatric Surveillance Program  
Total Funding - 20,000 (Canadian dollar)  
Portion of Funding Received - 1 (Canadian dollar)  
Funding Competitive?: Yes



Co-investigator : Bienek, Asako; Hadjiyannakis, Stasia; Hamilton, Jill; Pinto, Teresa; Sellers, Elizabeth; Wicklow, Brandy; Yeung, Rose;

Principal Investigator : Amed, Shazhan

2012/4 - 2019/4  
Principal Investigator Towards the prevention of type 2 diabetes: improving our understanding of longitudinal changes in glucose homeostasis in youth., Grant, Operating  
Clinical Research Project?: Yes

**Funding Sources:**

2012/4 - 2019/4 Canadian Institutes of Health Research (CIHR)  
Operating Grant  
Total Funding - 1,292,501 (Canadian dollar)  
Portion of Funding Received - 1,163,250 (Canadian dollar)  
Funding Competitive?: Yes

Co-investigator : Barnett, Tracie; Gray-Donald, Katherine; Mathieu, Marie-Eve; O'Loughlin, Jennifer; Roy-Gagnon, Marie-Hélène; Tremblay, Angelo;

Principal Investigator : Paradis, Gilles

2016/1 - 2018/12  
Collaborator Consequences of maternal gestational diabetes on offspring's cardiovascular health, Grant  
Clinical Research Project?: Yes

**Funding Sources:**

2016/1 - 2018/12 Fonds national suisse de la recherche scientifique  
No specific program  
Total Funding - 423,000 (Swiss franc)  
Portion of Funding Received - 1 (Swiss franc)  
Funding Competitive?: Yes

Co-investigator : Bovet, Pascal; Di Bernardo, Stefano; Mivelaz, Yvan; Sekarski, Nicole; Simeoni, Umberto; Vial, Yvan;

Collaborator : Paradis, Gilles; Puder, Jardena;

Principal Investigator : Chiolero, Arnaud

2013/11 - 2018/11  
Co-investigator Sleep and Obesity in Children and Adolescents: Potential Pathogenic Pathways, Grant, Operating  
Clinical Research Project?: Yes

**Funding Sources:**

2013/11 - 2018/11 Canadian Institutes of Health Research (CIHR)  
Operating Grant  
Total Funding - 1,782,951 (Canadian dollar)  
Portion of Funding Received - 1 (Canadian dollar)  
Funding Competitive?: Yes

Co-investigator : Brouillette R; Constantin, Evelyn; Drake C; Jarrin, Denise; Kline R; Paradis, Gilles; Poirier, Paul; Tremblay, Angelo;

Principal Investigator : McGrath, Jennifer

2016/7 - 2018/7  
Principal Investigator Determinants of Cardiovascular Disease Risk Factors among Youth with Type 1 Diabetes - a Pilot Study, Grant  
Clinical Research Project?: Yes

**Funding Sources:**

2016/7 - 2018/7 Heart and Stroke Foundation of Canada (HSFC)  
 Grant-in-Aid  
 Total Funding - 80,903 (Canadian dollar)  
 Portion of Funding Received - 80,903 (Canadian dollar)  
 Funding Competitive?: Yes

Co-investigator : Barnett, Tracie; Benedetti, Andrea; Bigras, Jean-Luc; Friedrich, Matthias; Gray-Donald, Katherine; Lavoie, Jean-Claude; Levy, Emile; Mathieu, Marie-Eve; Nuyt, Anne-Monique; Van Hulst, Andraea

2014/7 - 2018/7 L'obésité chez l'enfant: vers une meilleure compréhension de ses déterminants, de ses  
 Principal Investigator conséquences cardiométaboliques, des enjeux au niveau des habitudes de vie, et des stratégies novatrices de prévention et de prise en charge., Grant  
 Clinical Research Project?: Yes

**Funding Sources:**

2014/7 - 2017/6 Fonds de la Recherche en Santé du Québec (FRSQ)  
 Chercheur-boursier - Junior 1 - Volet Clinique et Épidémiologie  
 Total Funding - 60,000 (Canadian dollar)  
 Portion of Funding Received - 60,000 (Canadian dollar)  
 Funding Competitive?: Yes

2014/10 - 2018/4 Understanding blood pressure and end organ damage in adolescents, Grant, Operating  
 Co-investigator Clinical Research Project?: Yes

**Funding Sources:**

2014/10 - 2018/3 Canadian Institutes of Health Research (CIHR)  
 Operating Grant  
 Total Funding - 438,115 (Canadian dollar)  
 Portion of Funding Received - 1 (Canadian dollar)  
 Funding Competitive?: Yes

Co-investigator : Bigras, Jean-Luc; Chiolero, Arnaud; Foster, Beth; Gray-Donald, Katherine; Mathieu, Marie-Eve; Maximova, Katerina; McGrath, Jennifer; Moodie, Erica; O'Loughlin, Jennifer; Paradis, Gilles; Poirier, Paul; Sabiston, Catherine; Tremblay, Angelo; Zhang, Xun;

Principal Investigator : Zappitelli, Michael

2014/4 - 2018/4 Risk of chronic diseases in young adults born preterm: relationship with inflammation and  
 Co-investigator oxidative stress biomarkers., Grant, Operating  
 Clinical Research Project?: Yes

**Funding Sources:**

2014/4 - 2018/3 Canadian Institutes of Health Research (CIHR)  
 Operating Grant  
 Total Funding - 471,216 (Canadian dollar)  
 Portion of Funding Received - 71,526 (Canadian dollar)  
 Funding Competitive?: Yes

Co-investigator : Alos, Nathalie; Bigras, Jean-Luc; Lapeyraque A-L; Lavoie, Jean-Claude; Levy, Emile; Masse, Benoît;

Principal Investigator : Luu, Thuy-Mai; Nuyt, Anne-Monique

2017/3 - 2018/3 The longitudinal association between parenting style and obesity risk throughout childhood  
 Co-investigator and adolescence in a representative sample of youth. Data from a 16-year birth cohort of Quebec children, Grant

Clinical Research Project?: Yes

**Funding Sources:**

2017/3 - 2018/3 Canadian Institutes of Health Research (CIHR)  
 Operating Grant : Analyses of Existing Canadian Cohorts &  
 Databases  
 Total Funding - 63,550 (Canadian dollar)  
 Portion of Funding Received - 1 (Canadian dollar)  
 Funding Competitive?: Yes

Co-applicant : Barnett, Tracie; Paradis, Gilles; Serbin, Lisa; Stack, Dale;

Principal Applicant : Kakinami, Lisa

2017/3 - 2018/3  
 Co-investigator

Virtual Patient Network for peer Support and acTion in yoUth and young adults with  
 Diabetes-tYpe 1 (VPN-STUDY), Grant, Operating  
 Clinical Research Project?: Yes

**Funding Sources:**

2017/3 - 2018/3 Canadian Diabetes Association  
 Prevention and management research  
 Total Funding - 25,000 (Canadian dollar)  
 Portion of Funding Received - 1 (Canadian dollar)  
 Funding Competitive?: Yes

2017/3 - 2018/3 Canadian Institutes of Health Research (CIHR)  
 Patient-Oriented Research Collaboration Grants  
 Total Funding - 25,000 (Canadian dollar)  
 Portion of Funding Received - 1 (Canadian dollar)  
 Funding Competitive?: Yes

Co-investigator : Blanchard, C; Butalia, S; Da Costa, D; Mukerji, G; Nakhla, M; Pacaud, D;  
 Panagiotopoulos, C; Rahme, E;

Principal Investigator : Brazeau, A-S; Dasgupta, K

2016/1 - 2017/1  
 Co-investigator

STigma and its Impact on Glucose control aMong youth with diAbetes, a Canada-Wide  
 Study (STIGMA), Grant  
 Clinical Research Project?: Yes

**Funding Sources:**

2016/1 - 2017/1 Canadian Diabetes Association  
 Targeted Research Competition  
 Total Funding - 49,988 (Canadian dollar)  
 Portion of Funding Received - 1 (Canadian dollar)  
 Funding Competitive?: Yes

Co-investigator : Brazeau, Anne-Sophie; Da Costa, Deborah; Nahkla, Meranda; Pacaud,  
 Danièle; Panagiotopoulos, Dina; Rahme, Elham;

Collaborator : Turcotte, Cynthia;

Principal Investigator : Dasgupta, Kaberi

2015/7 - 2015/11  
 Co-investigator

Fetal Growth Restriction, Epigenetic Mediation and Development of Boys and Girls, Grant  
 Clinical Research Project?: Yes

**Funding Sources:**

2015/11 - 2016/10 Canadian Institutes of Health Research (CIHR)  
 Team Grant : DOHaD - Implications for Men, Women, Boys and  
 Girls - LOI  
 Total Funding - 9,871 (Canadian dollar)  
 Portion of Funding Received - 1 (Canadian dollar)  
 Funding Competitive?: Yes

Co-investigator : Dubois, Lise; Seguin, Jean R;

Principal Investigator : Bouchard, Luigi; Fraser, William D

2014/10 - 2015/10 Determinants of Cardiovascular Disease Risk Factors among Youth with Type-1 Diabetes,  
 Principal Investigator Grant  
 Clinical Research Project?: Yes

**Funding Sources:**

2014/10 - 2015/9 Canadian Society of Endocrinology and Metabolism/AstraZeneca  
 Diabetes Junior Investigator Award  
 Total Funding - 25,000 (Canadian dollar)  
 Portion of Funding Received - 25,000 (Canadian dollar)  
 Funding Competitive?: Yes

2015/3 - 2015/10 Cardiometabolic risk management: ACTIVating and Engaging PATients Through clinical  
 Co-investigator Interaction redesign and Electronically - integrated Novel Technologies (ACTIVE  
 PATIENT), Grant  
 Clinical Research Project?: Yes

**Funding Sources:**

2015/3 - 2015/10 Canadian Institutes of Health Research (CIHR)  
 SPOR Networks in Chronic Disease - LOI  
 Total Funding - 50,000 (Canadian dollar)  
 Portion of Funding Received - 1 (Canadian dollar)  
 Funding Competitive?: Yes

Co-investigator : Abidi, Samina; Barnett, Tracie; Bherer, Louis; Blanchard, Chris; Boivin,  
 Antoine; Buckeridge, David; Chan, Catherine; Da Costa, Deborah; Daskalopoulou, Stella;  
 Doherty, Sean; Dunbar, Peggy; Foster, Beth; Fuller, Daniel; Hajizadeh, Mohammad;  
 Ho, Kendall; Johnson, Steven; Khan, Nadia; Kirk, Sara; Legault, Laurent; Lipscombe,  
 Lorraine; Macaulay, Ann; McGavock, Jonathan; Meltzer, Sara; Mukerji, Geetha; Nakhla,  
 Meranda; Pacaud, Daniele; Panagiotopoulos, Constadina; Rabasa-Lhoret, Rémi; Rabi,  
 Doreen; Rahme, Elham; Rainham, Daniel; Sarma, Sisira; Shah, Baiju; Shen, Garry;  
 Shields, Christopher;

Co-knowledge User : Edwards, Alun; Hux, Jan;

Collaborator : Kearns, Patricia;

Principal Investigator : Dasgupta, Kaberi; Fowles, Jonathon; Kestens, Yan; Padwal, Raj;

Principal Knowledge User : Ricard, Jacques

2012/7 - 2015/1 Profil d'activité physique des jeunes québécois avec diabète de type 1, Grant, Operating  
 Co-investigator Clinical Research Project?: Yes

**Funding Sources:**

2011/7 - 2015/1      Diabète Québec  
 Operating Grant  
 Total Funding - 20,000 (Canadian dollar)  
 Portion of Funding Received - 1 (Canadian dollar)  
 Funding Competitive?: Yes

Co-investigator : Jabbour, George; Legault, Laurent;

Principal Investigator : Mathieu, Marie-Eve

**Courses Taught**

2016/01/04 -      Professor, Pediatrics, Université de Montréal  
 2016/04/29      Course Title: Pédiatrie - Multi Systèmes 2 - Physiologie de la puberté  
                          Course Code: PDT6002  
                          Course Level: Post Graduate  
                          Section: Pediatrics Residency - General Pediatrics

2016/01/04 -      Professor, Pediatrics, Université de Montréal  
 2016/04/29      Course Title: Pédiatrie - Multi Systèmes 2 - Dyslipidémie en Pédiatrie  
                          Course Code: PDT6002  
                          Course Level: Post Graduate  
                          Section: Pediatrics Residency - General Pediatrics

2013/01/07 -      Professor, Pediatrics, Université de Montréal  
 2015/12/18      Course Title: Endocrinologie clinique - L'obésité en Pédiatrie  
                          Course Code: END8002  
                          Course Level: Post Graduate  
                          Section: Pediatrics Residency - Endocrinology and Metabolism in Children

**Student/Postdoctoral Supervision****Bachelor's [n=5]**

2018/5 - 2018/8      Léonie Frigon (In Progress) , Université de Montréal  
 Principal Supervisor      Student Degree Start Date: 2016/9  
    Thesis/Project Title: Le rôle du stress oxydatif dans les maladies cardiovasculaires chez  
    les jeunes diabétiques de type 1 : l'étude CARDEA  
    Present Position: Bachelor's student - Biochimie, Université de Montréal

2017/10              Smyrnova, Anna (In Progress) , Concordia University  
 Principal Supervisor      Student Degree Start Date: 2017/9  
    Thesis/Project Title: A comparison of two definitions of Severe Obesity (SO) and their  
    ability to predict the cardiometabolic risk in children  
    Present Position: B.Sc. Student

2017/7 - 2018/7      Danieles, Prince Kevin (Completed) , Concordia University  
 Principal Supervisor      Student Degree Start Date: 2015/9  
    Student Degree Received Date: 2018/4  
    Thesis/Project Title: Caractéristiques des enfants qui abandonnent une intervention en  
    activité physique: l'expérience du programme CIRCUIT  
    Present Position: B.Sc. Student

2017/6  
Principal Supervisor Sarah Bonin (In Progress) , Université de Montréal  
Student Degree Start Date: 2016/6  
Thesis/Project Title: Depression and anxiety, cause or outcome of pediatric obesity?  
Present Position: Dt.P.

2016/1 - 2016/8  
Principal Supervisor Lucas Leclerc (Completed) , Montreal University  
Student Degree Start Date: 2016/1  
Student Degree Received Date: 2016/8  
Thesis/Project Title: Insulin Dynamics over a 2-Year Period in Children with a Family History of Obesity  
Present Position: M.Sc. Student

### **Master's Thesis [n=2]**

2018/6 - 2019/8  
Principal Supervisor Deepinder Kaur Sohi (In Progress) , Université de Montréal  
Student Degree Start Date: 2017/9  
Student Degree Expected Date: 2019/8  
Thesis/Project Title: Lifestyle determinants of adiposity trajectories from childhood to late adolescence  
Present Position: MSc Student - École de santé publique, Université de Montréal

2017/1  
Co-Supervisor Élodie Desrochers (In Progress) , Université Laval  
Student Degree Start Date: 2017/1  
Thesis/Project Title: Profil métabolique et d'habitudes de vie de personnes obèses en santé dans l'Étude des familles de Québec  
Present Position: MSc Student - maîtrise en science clinique et biomédicale, Université Laval

### **Doctorate [n=2]**

2017/9  
Principal Supervisor Soren Harnois-Leblanc (In Progress) , Université de Montréal  
Student Degree Start Date: 2017/9  
Thesis/Project Title: Trajectoires d'activité physique de l'enfance à la fin de l'adolescence : comment influencent-elles le métabolisme du glucose et le risque de diabète de type 2?  
Present Position: PhD Student - Santé publique, option épidémiologie, Université de Montréal

### **Student Recognitions**

Bourse Fondation CHU Ste-Justine  
Hôpital Sainte Justine  
Prize / Award

Bourse de recrutement au doctorat de l'ESPUM  
Université de Montréal  
Prize / Award

Other Supervisors: Co-Supervisor - Sylvestre, Marie-Pierre

2016/9 - 2018/8  
Principal Supervisor Marie-Lou Filiatreault (Withdrawn) , University de Montréal  
Student Degree Start Date: 2016/9  
Thesis/Project Title: Les compétences alimentaires; comment influencent-elles la santé métabolique, les habitudes et comportements alimentaires et le mode de vie des familles de l'étude QUALITY  
Present Position: Dietetist

#### **Student Recognitions**

2016 Bourse de formation de doctorat  
Fonds de recherche du Québec - Santé (FRQS)  
Prize / Award

Other Supervisors: Principal Supervisor - Gauvin, Lise

#### **Doctorate Equivalent [n=3]**

2018/10 - 2018/11 Sévrine Ouellet (In Progress) , Université Laval  
Principal Supervisor Student Degree Start Date: 2016/9  
Student Canadian Residency Status: Canadian Citizen

2018/6 Aurélie Mourot (In Progress) , Université de Montréal  
Principal Supervisor Student Degree Start Date: 2015/9  
Thesis/Project Title: Comparing zBMI and weight-for-length in infancy in the prediction of cardiometabolic risk  
Present Position: Medicine Student

2016/6 Jean-Baptiste Roberge (Completed) , McGill University  
Principal Supervisor Student Degree Start Date: 2014/8  
Student Degree Received Date: 2018/5  
Thesis/Project Title: Do Lifestyle Habits and Dietary Factors Predict the Development of the Metabolically Unhealthy Obese Phenotype in Youth?  
Present Position: Pediatric residency - CHU Sainte-Justine

#### **Post-doctorate [n=4]**

2017/5 Mélanie Béland (In Progress) , INRS - Institut Armand-Frappier  
Co-Supervisor Student Degree Start Date: 2017/5  
Thesis/Project Title: L'influence des habitudes de vie sur les symptômes de dépression et d'anxiété dans une cohorte d'adolescents à risque d'obésité  
Present Position: Postdoctoral Fellow

#### **Student Recognitions**

2017 Programme de bourses de formation post-doctorale, Bourse en partenariat - Unité SOUTIEN du Québec  
Fonds de recherche du Québec - Santé (FRQS)  
Prize / Award

Other Supervisors: Co-Supervisor - Barnett, Tracie

2015/11 - 2017/9 Despoina Manousaki (Completed) , Université de Montréal  
Principal Supervisor Student Degree Start Date: 2015/11  
Thesis/Project Title: The role of sedentary behavior on lipid metabolism in youth  
Present Position: PhD Student, Department of Human Genetics, McGill University

2015/11 - 2018/6  
Principal Supervisor Marie-Béatrice Saade (Completed) , University of Montreal  
Student Degree Start Date: 2015/9  
Student Degree Received Date: 2018/6  
Thesis/Project Title: Influence of obesity, and adiposity indices on cardiac autonomic function in an at-risk population of children aged 8 to 10 years old  
Present Position: Pediatric endocrinologist, Department of pediatrics, Rennes University Hospital Center, France

#### Student Recognitions

Bourse en jumelage de fonds  
Hôpital Sainte Justine  
Prize / Award

2014/10  
Principal Supervisor Andraea van Hulst (Completed) , McGill University  
Student Degree Start Date: 2014/10  
Student Degree Received Date: 2017/12  
Thesis/Project Title: Determinants of Cardiovascular Disease Risk Factors among Youth with Type-1 Diabetes  
Project Description: Determinants of Cardiovascular Disease Risk Factors among Youth with Type-1 Diabètes  
Present Position: Assistant Professor - Ingram School of Nursing, McGill University, McGill University

#### Student Recognitions

Postdoctoral Fellowship  
Canadian Institutes of Health Research  
Prize / Award

2016 CHU Sainte-Justine Rising Researcher Award for the Canadian Child Health Clinician Scientist Program (CCHCSP)  
Prize / Award

2014 - 2015 2014/2015 - 4th ICPC/HSFC/CCS Award in Preventative Cardiology  
Heart and Stroke Foundation of Canada  
Prize / Award

Other Supervisors: Principal Supervisor - Paradis, Gilles

#### Certificate [n=1]

2017/6 - 2017/7  
Principal Supervisor Huilin Zhang (Completed) , Collège Jean-de-Brébeuf  
Student Degree Start Date: 2016/6  
Student Degree Received Date: 2016/7

#### Research Associate [n=1]

2017/9  
Principal Supervisor Marina Ybarra (In Progress) , INRS-Institut Armand-Frappier  
Student Degree Start Date: 2017/9  
Thesis/Project Title: Parental Characteristics Influence On Child Adiposity: A Prospective Study  
Present Position: Research Associate

## Staff Supervision

Number of Scientific and Technical Staff: 6

Number of Visiting Researchers: 0



## Event Administration

2012/5 - 2016/5 Co-organizer, Colloque CIRCUIT sur la prévention cardiovasculaire chez les jeunes, Conference

## Journal Review Activities

Reviewer, BMC Pediatrics  
 Reviewer, Hormone Research  
 Reviewer, Preventive Medicine  
 Reviewer, Journal of Clinical Lipidology  
 Reviewer, Obesity  
 Reviewer, BMJ Open  
 Reviewer, JAMA

## Graduate Examination Activities

2017/1 Committee Member, Eva Graham, Epidemiology, Biostatistics & Occupational Health, McGill University  
 2015/1 Committee Member, Karine Suissa, Epidemiology, Biostatistics & Occupational Health, McGill University  
 2014/5 PhD Comprehensive Exam Committee Member, Véronique Gingras, Nutrition, Université de Montréal

## Research Funding Application Assessment Activities

2018/12 External Reviewer, Doctoral Research Awards, Funder, Academic Reviewer, Canadian Institutes of Health Research  
 2017/2 External Reviewer, Scholarship and grant programs - M.Sc., Funder, Academic Reviewer, Fonds de recherche du Québec - Santé (FRQS)  
 2017/1 External Reviewer, Doctoral Research Awards, Funder, Academic Reviewer, Canadian Institutes of Health Research  
 2016/2 External Reviewer, Scholarship and grant programs - M.Sc., Funder, Academic Reviewer, Fonds de recherche du Québec - Santé (FRQS)  
 2015/2 External Reviewer, Funder, Academic Reviewer, Physicians' Services Incorporated Foundation

## Community and Volunteer Activities

2013/2 Member of the Board of Directors-Camp Carowanis for Diabetic children, The diabetic children's foundation  
 2012/12 Member of Carowanis Camp Corporation, The diabetic children's foundation

## Knowledge and Technology Translation

- 2017/6 Host/Presenter, Community Engagement  
 Target Stakeholder: General Public  
 Activity Description: Family Research Day for participants of the QUALITY cohort and their parents (lay audience). Over 100 participants (representing 40 families) attended the event on June 3 2017 which served as a platform to exchange on research findings stemming from QUALITY data and their clinical implications with those who directly contributed to the data. This event allowed us to validate that our research questions address concerns from individuals with a history of obesity (parents and/or adolescents) and to hear from those directly concerned what other questions may need to be addressed.
- 2017/3 Steering Committee Member, Policy/Regulation Development  
 Group/Organization/Business Serviced: Canada's Children's Hospitals Foundation (CCHF)  
 Target Stakeholder: Healthcare Personnel  
 Activity Description: The Canada's Children's Hospital Foundations Child and Youth Type 2 Diabetes Prevention Initiative
- 2016/9 Committee Member, Policy/Regulation Development  
 Target Stakeholder: Policy Maker/Regulator  
 Activity Description: As a recent member of the Scientific Committee on the Prevention of Obesity of the Institut National de Santé Publique du Québec (INSPQ), I am privileged to be part of a leading group mandated by the government to advise policy makers on the optimal strategies to enhance healthy lifestyle habits among Quebec youth and prevent obesity and its cardiometabolic complications.
- 2013/5 Media Relation, Community Engagement  
 Target Stakeholder: General Public  
 Activity Description: Through numerous interviews via radio, paper or television media, I am actively involved in insuring that knowledge from research relating to overweight/obesity and cardiometabolic health in childhood and adolescence is transmitted in a comprehensive and accessible fashion to the public.
- 2012/12 Co-director CIRCUIT, Community Engagement  
 Target Stakeholder: Patients  
 Activity Description: I am co-director of the CIRCUIT program, a CVD prevention program consisting of a personalized intervention tailored to increase physical activity levels, a nutritional program, to promote healthy eating in youth, summer camps and annual symposia designed to enhance health care providers' knowledge in CVD prevention, and act as a forum for exchange among researchers. This unique infrastructure represents a successful bridge from research to practice, allowing for knowledge acquired through our etiological studies to be used to propose innovative strategies, whose effectiveness can then be evaluated. I was awarded the ***Institute of Human Development, Child and Youth Health (IHDCYH) Talks Video Competition - Specially Commended Award*** for my work in understanding obesity, its cardiometabolic complications and translating this into effective interventions within the CIRCUIT program.

## Committee Memberships

- 2018/3 Committee Member, Comité organisateur du Congrès annuel 2019 du réseau FRQS Santé Cardiométabolique, Diabète, Obésité (CMDO)
- 2018/1 Committee Member, Unité de recherche en imagerie, Hôpital Sainte Justine

2017/3	Committee Member, Steering Committee - The Sun Life Child and Youth Type 2 Diabetes Prevention Initiative, Canada's Children's Hospitals Foundation (CCHF)
2016/9	Committee Member, Comité scientifique sur la prévention de l'obésité, Institut national de santé publique du Québec
2013/1	Committee Member, Sciences Cardiovasculaires du Centre de recherche, CHU Sainte-Justine
2010/1	Co-chair, Comité exécutif du Centre pédiatrique d'intervention en prévention et en réadaptation cardiovasculaires (CIRCUIT), CHU Sainte-Justine
2016/1 - 2018/5	Committee Member, Comité des affaires académiques, CHU Sainte-Justine

## Presentations

- (2019). Les paradoxes du diabète de type 2 chez les enfants. Réunion scientifique annuelle 2019 de la Société québécoise de lipidologie, de nutrition et de métabolisme (SQLNM), du Réseau de recherche en santé cardiometabolique, diabète et obésité (CMDO) et du Congrès COLoSUS, Magog, Canada  
Main Audience: Researcher  
Invited?: Yes, Keynote?: No
- (2018). Le diabète de type 2 chez l'enfant : réalités et possibilités. Visiosymposium/Visioconférences de la Société des sciences vasculaires du Québec: Prévention : de l'enfance à la démence !, Montréal, Canada  
Main Audience: Knowledge User  
Invited?: Yes, Keynote?: No
- (2018). Diabète et exercice physique. Journée de formation sur le diabète de type 1 à l'intention des infirmières et intervenants pratiquant en milieu scolaire auprès d'enfants et d'adolescents diabétiques, Montréal, Canada  
Main Audience: Knowledge User  
Invited?: Yes, Keynote?: No
- (2018). Le programme CIRCUIT : les résultats préliminaires et les leçons que nous avons apprises. Colloque CIRCUIT - 9e édition, Montréal, Canada  
Main Audience: Knowledge User  
Invited?: Yes, Keynote?: No
- (2018). Lifestyle habits and risk for type 2 diabetes in childhood. Jewish General Hospital Clinical Epidemiology Seminar, Canada  
Main Audience: Knowledge User  
Invited?: Yes, Keynote?: Yes
- (2018). L'obésité chez l'enfant et l'adolescent, incluant le programme circuit. Activités de développement professionnel continu 2018 du Centre de santé et de services sociaux Richelieu-Yamaska, St-Hyacinthe, Canada  
Main Audience: Knowledge User  
Invited?: Yes, Keynote?: Yes
- (2017). Réduire la sédentarité chez les jeunes : succès et défis. 21es Journées annuelles de santé publique – Sédentarité, inactivité physique et santé: vers une nouvelle approche?, Québec, Canada  
Main Audience: Knowledge User  
Invited?: Yes, Keynote?: No
- (2017). Les phénotypes métaboliques paradoxaux chez l'enfant: implications cliniques. 16e Journée scientifique du département de pédiatrie de l'Université de Sherbrooke, Sherbrooke, Canada  
Main Audience: Knowledge User  
Invited?: Yes, Keynote?: No

9. (2016). Stratégies pour la prévention de l'obésité et de ses complications chez les enfants: comment s'y prendre?. NUTRIUM – Formation continue du Département de nutrition de l'Université de Montréal, Montréal, Canada  
Main Audience: Knowledge User  
Invited?: Yes, Keynote?: No
10. (2016). Diabète et exercice physique. Journée de formation sur le diabète de type 1 à l'intention des infirmières et intervenants pratiquant en milieu scolaire auprès d'enfants et d'adolescents diabétiques, Montréal, Canada  
Main Audience: Knowledge User  
Invited?: Yes, Keynote?: No
11. (2016). Lifestyle Habits and the Risk of Diabetes in Youth. 6th Emirates Diabetes & Endocrine Congress, Dubai, United Arab Emirates  
Main Audience: Knowledge User  
Invited?: Yes, Keynote?: Yes
12. (2016). Endocrinology for Non-Endocrinologist, Interpretation of Endocrine Tests. 6th Emirates Diabetes & Endocrine Congress, Dubai, United Arab Emirates  
Main Audience: Knowledge User  
Invited?: Yes, Keynote?: No
13. (2015). Health Promotion: how can physicians make a difference. Grand Rounds St-Mary's Hospital, Montréal, Canada  
Main Audience: Knowledge User  
Invited?: Yes, Keynote?: No
14. (2015). Les habitudes de vie et le risque de diabète chez les jeunes: Quelles sont les preuves?. Conférence du GRAPA (Groupe de recherche en activité physique adaptée), Canada  
Main Audience: Researcher  
Invited?: Yes, Keynote?: No
15. (2015). Complications métaboliques associées à l'obésité chez l'enfant. 23ième Réunion scientifique annuelle de la Société québécoise d'hypertension artérielle, Canada  
Main Audience: Knowledge User  
Invited?: Yes, Keynote?: No
16. (2015). Promotion de la santé: Comment changer les choses?. Congrès de l'Association des médecins endocrinologues du Québec, La Malbaie, Canada  
Main Audience: Knowledge User  
Invited?: Yes, Keynote?: No
17. (2014). L'obésité chez l'enfant: comment s'y prendre?. La nutrition - Fédération des médecins omnipraticiens du Québec, Montreal, Canada  
Main Audience: Knowledge User  
Invited?: Yes, Keynote?: No
18. (2014). L'obésité et le syndrome métabolique chez l'enfant. 10e Colloque Provincial en cardiologie pédiatrique, Montreal, Canada  
Main Audience: Knowledge User  
Invited?: Yes, Keynote?: No
19. (2014). L'obésité chez l'enfant et ses complications métaboliques. 15ième congrès annuel (2014) / Société québécoise de lipidologie, de nutrition et de métabolisme (SQLNM), Réseau de recherche en santé cardiométabolique, diabète et obésité (CMDO) et COLoSUS, Quebec, Canada  
Main Audience: Knowledge User  
Invited?: Yes, Keynote?: No

20. (2014). Lifestyle habits and the risk of Diabetes in youth : what's the evidence?... and what can we do with it?. Seminar Series - Axe risques à la santé, CHUM, Canada  
Main Audience: Researcher  
Invited?: Yes, Keynote?: No
21. (2013). Diabète de type 2 chez l'adolescent – testez vos connaissances!. Symposium des professionnels en diabétologie pédiatrique, Orford, Canada  
Main Audience: Knowledge User  
Invited?: Yes, Keynote?: No
22. (2013). Les habitudes de vie chez l'enfant pré-pubaire permettent-elles de prévoir l'homéostasie du glucose deux ans plus tard? Les réponses de la cohorte QUALITY.4e colloque annuel sur la prévention cardiovasculaire chez les jeunes. Obésité: Défis dans le diagnostic et la prise en charge des complications métaboliques qui y sont associées., Montreal, Canada  
Main Audience: Knowledge User  
Invited?: Yes, Keynote?: No
23. (2013). Lifestyle and type 2 diabetes in youth. Joint Canadian Cardiovascular Congress, Canadian Stroke Congress, Canadian Diabetes Association/Canadian Society of Endocrinology and Metabolism Conference and Heart and Stroke Foundation meeting: Vascular 2013, Montreal, Canada  
Main Audience: Knowledge User  
Invited?: Yes, Keynote?: No
24. (2012). Sédentarité et santé métabolique : de quoi parle-t-on?. Journée de formation continue Mode de vie sain tout au long de la vie – Université Laval, Quebec, Canada  
Main Audience: Knowledge User  
Invited?: Yes, Keynote?: No
25. (2012). Les facteurs de risque cardiovasculaire chez l'enfant et les pistes vers la prévention. Visioconférence du Réseau Mère Enfant du CHU Ste-Justine – accrédité par l'Université de Montréal et le Collège Royal du Canada, Montreal, Canada  
Main Audience: Knowledge User  
Invited?: Yes, Keynote?: Yes
26. Mélanie Henderson. (2011). L'influence de l'activité physique, de la condition physique et de la sédentarité sur l'homéostasie du glucose chez les patients pédiatriques. Centre Hospitalier Universitaire de Québec, Grand Rounds., Quebec, Canada  
Main Audience: Knowledge User  
Invited?: Yes, Keynote?: Yes

## Broadcast Interviews

2018/11/16	Les enfants de plus en plus touchés par le diabète de type 2, une maladie d'adultes, ICI Radio-Canada, Anne-Louise Despaties
2017/07/26	Programme CIRCUIT, Les Éclaireurs, ICI Radio-Canada Première
2017/07/20	Centre CIRCUIT, Le Retour, CIBL 101,5
2016/09/21	Obesity rates in childhood, CBC News Nightly, CBC, Sarah Leavitt
2016/09/21	La prévalence de l'obésité chez l'enfant, RDI en direct, RDI, Catherine Kovacs
2015/04/25	Un programme du CHU Sainte-Justine pour prévenir l'obésité juvénile, Les Éclaireurs, ICI Radio-Canada Première
2014/07/11	Dre Mélanie Henderson et Karl Bureau-Ledoux: le Canada se situe au 3e rang des pays affichant un taux d'obésité infantile élevé, Puisqu'il faut se lever, 98,5 fm Montréal - Vous le savez maintenant!

- 2013/10/15 L'obésité dans la petite enfance., Une pilule, une petite granule, Télé Québec
- 2013/09/22 Exercice revu et corrigé: moins intense mais plus souvent, Les Années Lumières, ICI Radio-Canada Première

## Text Interviews

- 2019/06/18 L'obésité des jeunes enfants n'a rien de banal, Jean-Benoit Legault, Journal Métro
- 2019/01/16 Diabétiques et sportifs, Antoine Lacroix, Le journal de Montréal
- 2018/11/29 Taxer le sucre n'empêchera pas une hausse de l'obésité. Vraiment??, François Grenier, 100°
- 2017/08/28 Poids des tout-petits: faut-il s'en inquiéter?, Naître et grandir
- 2015/07/11 Activité physique: tout le monde dehors!, Catherine Handfield. La Presse
- 2015/05/29 In Montreal, the battle is on against childhood obesity, Helen Wolkowicz. Montreal Gazette
- 2015/03/24 Sainte-Justine frappe un coup de «CIRCUIT», Olivia Lévy. La Presse
- 2014/09/06 Sobey's donne 500 000 \$ pour lutter contre l'obésité., Journal les Affaires.
- 2014/09/02 Le CIRCUIT: pour contrer le surpoids et l'obésité chez les jeunes., Johanne Forest. L'actualité alimentaire, Volume 11 numéro 4, p. 40-41.
- 2014/07/03 Sobey's permet la création d'un volet nutrition pour lutter contre l'obésité infantile, L'actualité alimentaire.com
- 2013/05/16 Centre pédiatrique d'intervention en prévention et en réadaptation cardiovasculaires (CIRCUIT), Le Devoir

## Publications

### Journal Articles

1. Ybarra M, Daniele PK, Barnett T, Mathieu M-E, Van Hulst A, Drouin O, Kakinami L, Bigras J-L, Henderson M. (2019). Promoting Healthy Lifestyle Behaviours in Youth: Findings from a novel intervention for children at risk of cardiovascular disease. *Childhood Obesity*. NA: NA.  
Submitted,
2. Suissa K, Henderson M, Benedetti A, Gray-Donald K, Paradis G. (2019). The cardiometabolic risk profile of underreporters of energy intake differs from that of adequate reporters among children at risk of obesity. *Journal of Nutrition*. 149(1): 123-130.  
Co-Author  
Published,  
Refereed?: Yes
3. Suissa K, Benedetti A, Henderson M, Gray-Donald K, Paradis G. (2019). Effects of dietary glycemic index and load on children's cardiovascular risk factors. *Annals of Epidemiology*. NA: NA.  
Submitted,
4. Van Hulst A, Ybarra M, Mathieu M-E, Benedetti A, Paradis G, Henderson M. (2019). Determinants of New Onset Metabolic Complications Among Normal Weight Children. *International Journal of Obesity*. NA: NA.  
Submitted,
5. Kheir F, Maximova K, Drapeau V, Henderson M, Van Hulst A. (2019). Breastfeeding duration in infancy and dietary intake in childhood and adolescence. *Pediatrics*. NA: NA.  
Submitted,

6. Boileau P, Popovic L, Kakinami L, Henderson M, Barnett T. (2019). Heatmaps and Consensus Clustering for Ego Network Exploration. *BMC Public Health*. NA: NA.  
Submitted,
7. Graham E, Watson T, Deschenes S, Filion K, Henderson M, Harper S, Rosella L, Schmitz N. (2019). Depressive Episodes with Symptoms of Weight Change and Incident Diabetes in a Community Sample. *Diabetic Medicine*. NA: NA.  
Submitted,
8. Delaney K, Spatari L, Henderson M, Santosa S, Mathieu M-E. (2019). Substrate oxidation is perturbed by obesity during exhaustive cycling in pre and early pubertal children: A QUALITY study. *Obesity*. NA: NA.  
Submitted,
9. Flahault A, Paquette K, Fernandes R, Delfrate J, Cloutier A, Henderson M, Lavoie J-C, Mâsse B, Nuyt A-M, Luu, TM. (2019). Increased incidence but lack of association between cardiovascular risk factors in adults born preterm suggest different pathophysiological pathways. *Journal of Internal Medicine*. NA: NA.  
Submitted,
10. Harnois-Leblanc S, Van Hulst A, Henderson M. (2019). Response to the article from Geserick et al published on October 4th. *New England Journal of Medicine*. 380: 193-195.  
Published,
11. Barnett T, Roberge J-B, Contreras G, Kakinami L, Van Hulst A, Henderson M. (2019). Validation of Desk-Based Audits to Monitor the Obesogenic Potential of Neighbourhoods: a Pilot Study in the QUALITY Cohort. *Health and Place*. NA: NA.  
Submitted,
12. Arabi Kugathasan T, Henderson M, Tremblay A, Mathieu M-E. (2019). The Influence of Stressful Homework on Adiposity Profile in the QUALITY Cohort: A Longitudinal Approach. *International Journal of Obesity*. NA: NA.  
Submitted,
13. Harnois-Leblanc S, Van Hulst A, Sabiston CM, Maximova K, Béland M, Doré I, Sylvestre M-P, Henderson M. (2019). Weight loss behaviors and weight-related stress in childhood: heightening the risk of obesity in early adolescence. *International Journal of Behavioral Nutrition and Physical Activity*. NA: NA.  
Submitted,
14. Santosa S, Delaney K, Spatari L, Henderson M, Mathieu M-E. (2019). Substrate oxidation is altered by obesity during exhaustive cycling in pre and early pubertal children: A QUALITY study. *Metabolism*. NA: NA.  
Submitted,
15. Roberge J-B, Van Hulst A, Barnett T, Drapeau V, Benedetti A, Tremblay A, Henderson M. (2019). Lifestyle habits, Dietary Factors and the Metabolically Unhealthy Obese Phenotype in Youth. *Journal of Pediatrics*. 204: 46-52.e1.  
Last Author  
Published,  
Refereed?: Yes
16. Van Hulst A, Bonin S, Nakouzi P, Henderson M. (2018). Diabète de type 2 chez les jeunes: stratégies nutritionnelles pour la prévention et la prise en charge. *Nutrition: Science en évolution*. 16(1): 7-12.  
Last Author  
Published,  
Refereed?: Yes

17. Ghenadenik A, Kakinami L, van Hulst A, Henderson M, Barnett T. (2018). Neighbourhoods and obesity: a longitudinal study of characteristics of the built environment and their association with adiposity outcomes in children in Montreal, Canada. *Preventive Medicine*. 111: 35-40.  
Co-Author  
Published,  
Refereed?: Yes
18. El Jalbout R, Cloutier G, Roy Cardinal M-H, Henderson M, Levy E, Lapierre C, Soulez G, Dubois J. (2018). Non-invasive vascular elastography (NIVE) is a one-step method for detecting early cardiovascular changes in overweight and obese children. *European Radiology*. NA: NA.  
Co-Author  
Submitted,
19. Primary Panel: Brunham LR, Ruel I, Aljenedil S, Rivière, J-B, Baass A, Tu JV, Mancini G.B. J, Raggi P, Gupta M, Couture P, Pearson GJ, Bergeron J, Francis GA, McCrindle BW, Morrison K, St-Pierre J, Henderson M, Hegele RA, Genest J. Secondary Panel: Goguen J, Gaudet D, Paré G, Romney J, Ransom T, Bernard S, Katz P, Joy TR, Bewick D, Brophy J. (2018). Canadian Cardiovascular Society Position Statement on Familial Hypercholesterolemia: Update 2018. *Canadian Journal of Cardiology*. 34(12): 1553-1563.  
Co-Author  
Published,
20. Brazeau AS, Nakhla MM, Wright M, Henderson M, Panagiotopoulos C, Pacaud D, Kearns P, Rahme E, Da Costa D. (2018). Stigma and its association with glycemic control and hypoglycemia in adolescents and young adults with type 1 diabetes, a cross-sectional study. *Journal of Medical Internet Research*. 20(4): e151.  
Co-Author  
Published,  
Refereed?: Yes
21. Ashdown-Franks G, Braun C, Sharma R, Di Fonzo D, Henderson M, Sabiston C. (2018). Parenting behaviors and youth depressive symptoms: The mediating role of perceived parental support in youth at risk for obesity. *Journal of Family Psychology*. NA: NA.  
Co-Author  
Submitted,  
Refereed?: Yes
22. Saidj S, Henderson M, Ruchat S-M, Paradis G, Van Hulst A, Zappitelli M, Mathieu M-E. (2018). Are Suboptimal in utero Conditions Associated with Obesity and Cardiometabolic Risk Factors in Caucasian children?. *Pediatric Research*. NA: NA.  
Co-Author  
Submitted,  
Refereed?: Yes
23. DiFonzo D, Sabiston C, Thomas S, Mathieu M-E, Henderson M. (2018). Adiposity, aerobic fitness and depressive symptoms in children at risk for obesity. *Pediatric Obesity*. NA: NA.  
Submitted,
24. Van Hulst A, Paradis G, Benedetti A, Barnett TA, Henderson M. (2018). Pathways linking birth weight and risk for type 2 diabetes in early adolescence: a double mediation analysis. *Journal of Clinical Endocrinology & Metabolism*. 103(12): 4524-4532.  
Last Author  
Published,  
Refereed?: Yes



25. Roberge J-B, Henderson M. (2018). L'obésité chez l'enfant : un problème d'envergure. Le médecin du Québec. Mars: NA.  
Last Author  
Published,  
Refereed?: Yes
26. El Jalbout R, Cloutier G, Henderson M, Lapierre C, Soulez G, Dubois J. (2018). Carotid artery intima media thickness measurement in children with normal and increased BMI: A comparison of three techniques. Pediatric Radiology. 48(8): 1073-1079.  
Co-Author  
Published,  
Refereed?: Yes
27. Van Hulst A, Paradis G, Harnois-Leblanc S, Benedetti A, Drapeau V, Henderson M. (2018). Lowering Saturated Fat and Increasing Vegetable and Fruit Intake May Increase Insulin Sensitivity 2 Years Later in Children with a Family History of Obesity. Journal of Nutrition. 148(11): 1838-1844.  
Last Author  
Published,  
Refereed?: Yes
28. Sabiston C, Solomon-Krakus S, Brunet J, Castonguay A, Henderson M. (2018). The associations between self perceived actual and ideal body shapes and objectively assessed physical activity among early adolescents. Body Image. NA: NA.  
Last Author  
Submitted,  
Refereed?: Yes
29. Fitzpatrick C, Alexander S, Henderson M, Barnett T. (2018). Prospective Associations between Play Environments and Pediatric Obesity. American Journal of Health Promotion. Oct 24: NA.  
Co-Author  
Published,  
Refereed?: Yes
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## Clinical Care Guidelines

1. Author. Canadian Diabetes Association 2018 Clinical Practice Guidelines for the Prevention and Management of Diabetes in Canada: Type 2 diabetes in children and adolescents. (2018).  
Contributors: Panagiotopoulos D, Hadjiyannakis S, Henderson M  
Description / Contribution Value: This chapter of the Canadian Diabetes Association Clinical Practice Guidelines offers health care professionals with evidence-based recommendations on the screening, assessment, and management of children and adolescents with type 2 diabetes. Our proposal centers around transition care in youth with type 1 diabetes, however many of the challenges associated with transition care in type 1 diabetes are similar to those involving youth with type 2 diabetes.

## Conference Publications

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Conference Date: 2019/10  
Abstract  
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2. Smyrnova A, Kakinami L, Paradis G, Tremblay A, Henderson M. (2019). A comparison of three definitions of Severe Obesity and their ability to predict cardiometabolic risk in children. Canadian Society for Epidemiology and Biostatistics 2019 National Conference, Ottawa, Canada,  
Conference Date: 2019/5  
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3. Hosseininasabnajar F, Kakinami L, Barnett T, Henderson M, Paradis G, Serbin L, Stack D. (2019). Parenting style is associated longitudinally with children BMI z-scores. Canadian Society for Epidemiology and Biostatistics 2019 National Conference, Ottawa, Canada, Conference Date: 2019/5  
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8. Harnois-Leblanc S, Van Hulst A, Ybarra M, Saade MB, Barnett T A, Mathieu ME, McGrath J J, Tremblay A, Paradis G, Sylvestre MP, Henderson M. (2019). Natural history of glucose tolerance across childhood and adolescence among youth having a parent with obesity. 6th Canadian Obesity Summit, Ottawa, Canada, Conference Date: 2019/4  
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18. Van Hulst A, Geoffroy L, Deladoey J, Ribault V, Nguyen H.-H, Kakinami L, Henderson M, CHU Sainte-Justine Diabetes Team. (2018). Trajectories of metabolic control and their determinants among youth with type 1 diabetes. *Pediatric Diabetes*. 44th Annual Conference of the International Society for Pediatric and Adolescent Diabetes (ISPAD), Hyderabad, India (92),  
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19. Ybarra M, Yub J, Kakinami L, Mathieu M-E, Henderson M, Barnett T. (2018). Social Networks, Social Support and Weight-Related Outcomes among Adolescents. *Hormone Research in Paediatrics*. 57th European Society for Pediatric Endocrinology (ESPE) Annual Meeting, Athens, Greece (331),  
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20. Henderson M, Van Hulst A, Simoneau G, Barnett T.A, Drapeau V, Mathieu M-E, Nicolau B, Varin T, Marette A. (2018). Correlations between measures of adiposity across childhood and adolescence and the intestinal microbiota in 15-17 year-old children with a family history of obesity: preliminary findings from the QUALITY cohort. *Hormone Research in Paediatrics*. 57th European Society for Pediatric Endocrinology (ESPE) Annual Meeting, Athens, Greece (43),  
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41. Al-Mansouri F, Yu J, Henderson M, Barnett T. (2017). Social network characteristics and lifestyle behaviours among adolescents at risk of obesity: a pilot study. North American Primary Care Research Group, Montreal, Canada,  
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43. van Hulst A, Paradis G, Benedetti A, Henderson M. (2017). Early weight gain, childhood adiposity and risk factors for type 2 diabetes in children aged 10-12 years: the QUALITY cohort. 10th World Congress on Development Origins of Health and Disease, Rotterdam, Netherlands,  
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46. Saade M-B, Holden S, Kakinami L, McGrath J.J, Mathieu M-E, Beaucage P, Poirier P, Henderson M. (2017). Associations between measures of adiposity and cardiac autonomic function in children with a family history of obesity (QUALITY Cohort). 10th International Meeting of Pediatric Endocrinology, Washington, United States,  
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47. Brazeau AS, Wright M, Nakhla M, Henderson M, Panagiotopoulos C, Pacaud D, Rahme E, Da Costa D, Dasgupta K. (2017). Prevalence of Stigma among Adolescents and Young Adults with Type 1 Diabetes. *Diabetes*. American Diabetes Association's 77th Scientific Sessions, San Diego, United States (215),  
Conference Date: 2017/6  
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48. Roberge J-B, Van Hulst A, Mathieu M-E, Barnett T, Tremblay A, Henderson M. (2017). Do Lifestyle Habits Influence the Development of the Metabolically Unhealthy Obese Phenotype in Youth?. 6th International Chair on Cardiometabolic Risk (ICCR) Congress, Québec, Canada,  
Conference Date: 2017/5  
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Conference Date: 2017/5  
Abstract  
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