



CHU Sainte-Justine
Research Center
Mother and Child
University Hospital Center

Université
de Montréal

Project title	Poverty and Adherence to Controller medication in Pediatric Asthma		
Study level(s)	<input checked="" type="checkbox"/> M.Sc.	<input type="checkbox"/> Ph.D.	<input type="checkbox"/> Postdoctorate
Principal investigator(s)	Olivier Drouin MD MSc MPH		
Project duration	2 years		
Start date	April-May 2020		

Research laboratory presentation

The Drouin lab studies how children and parents make decisions regarding their health, and uses this knowledge to improve the prevention and management of chronic diseases in pediatrics. Located at the intersection of public health, clinical medicine and behavioral science, the lab draws from health services research, behavioral economics, epidemiology, experimental psychology and health economics to improve the delivery of care for children.

Research project description

Asthma is one of the most prevalent chronic diseases of childhood, affecting 1 in 10 children, and over 3 million Canadians. Asthma disproportionately affects patients from lower socio-economic status (SES). Given their higher burden of disease and greater exposure to adverse environments, children from lower SES are among those who would benefit the most from controller medication, such as inhaled corticosteroids. However, there is some suggestion that adherence to controller medication among children from lower SES is poor. The main objective of this project is to test this hypothesis and elucidate potential actionable solutions:

Specifically, using an existing database of children with asthma, we aim to:

- Determine if lower SES is a predictor of low adherence to controller medication
- Determine whether there is a difference in adherence from daily vs. twice daily controller medication, and whether this gain is larger for children from lower SES (or other group with low adherence)

Required training and profile

- The interested candidate should hold an undergraduate degree, ideally in a discipline related to the project, for ex: medical professions (incl. RT, nursing, physiotherapy, etc.), physiology, public health, psychology.
- Excellent academic track record
- Good knowledge of statistics is required
- Working French and English (spoken and written) is required.
- Good level of autonomy is required.
- Research experience is an asset, although not strictly required.



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- Experience with statistical packages (SAS, Stata, R, etc.) is an asset, but not required.
- Experience interacting with children and families is an asset.
- Applicants from visible minorities are strongly encouraged to apply.

Conditions

Candidates will be strongly encouraged to apply for training awards (FRQS, CIHR) for this position.

Submit your application

Candidates must send the required documents before **January 2020** to **Dr. Olivier Drouin** at o.drouin@UMontreal.ca

Please provide:

- ✓ *Curriculum vitae*
- ✓ Most recent transcripts
- ✓ Cover letter
- ✓ References

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Studies at the CHU Sainte-Justine Research Center

Pursue your [graduate or postdoctoral studies](#) at the **CHU Sainte-Justine Research Center**, and be one of the 500 students, fellows and interns involved in accelerating the development of knowledge in the field of maternal, child and adolescent health, whether in basic or clinical research. Under the supervision of prominent scientists, especially in leukemia, rare pediatric diseases, genetics, perinatology, obesity, neuropsychology and cognition, scoliosis and rehabilitation, you will have the opportunity to work with multidisciplinary scientific teams and collaborators from all over the world.



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About the CHU Sainte-Justine Research Center

CHU Sainte-Justine Research Center is a leading mother-child research institution affiliated with Université de Montréal. It brings together more than 200 research investigators, including over 90 clinician-scientists, as well as 500 graduate and postgraduate students focused on finding innovative prevention means, faster and less invasive treatments, as well as personalized approaches to medicine. The Center is part of CHU Sainte-Justine, which is the largest mother-child center in Canada and the second most important pediatric center in North America. More on research.chusj.org

