



### [Position for a PhD student in human genetics](#)

**Site :** Montreal Heart Institute, Department of Medicine,  
Faculté de médecine, Université de Montréal

**Laboratory :** **Guillaume Lettre**

**web site:** <http://www.mhi-humangenetics.org>

**Laboratory theme:** **Genetic studies of cardiovascular diseases and other complex human traits.**

#### **Project description:**

PhD positions in human genetics are available in the laboratory of Dr. Guillaume Lettre at the Université de Montréal and the Montreal Heart Institute.

Four-year terms are available to investigate the genetics of cardiovascular diseases and other blood-related traits using genome-wide association studies and next-generation DNA re-sequencing technologies. In particular, we are interested in studying the influence of rare and structural DNA sequence variants in cardiovascular diseases in large and well-phenotyped patient cohorts already available to our laboratory.

#### **Références :**

- Brown AM, Lo KS, Guelpa P, Beaudoin M, Rioux JD, Tardif JC, Phillips MS, Lettre G. BMC Res Notes. 2010 Jul 7;3:185.  
Lettre G., Curr Opin Pediatr. 2009 Aug;21(4):515-22. Review.  
Hirschhorn JN, Lettre G. Horm Res. 2009 Apr;71 Suppl 2:5-13.. Review.  
Lettre G, Rioux JD. Hum Mol Genet. 2008 Oct 15;17(R2):R116-21. Review  
Lettre et al., Proc Natl Acad Sci U S A. 2008 Aug 19;105(33):11869-74.  
Lettre et al., Nat Genet. 2008 May;40(5):584-91.  
Weedon\*, Lettre\* et al., Nat Genet. 2007 Oct;39(10):1245-50.

#### **Disciplines/ Qualifications :**

Candidates should have a formal training in human genetics, bio-informatics, bio-statistics, epidemiology or a related discipline, have excellent organizational, interpersonal, and communication skills, and have a strong interest in statistical genetics or computational biology.

#### **Contact:**

Applicants should submit a resume, university records, a short statement of research interests, TOEFL results and two letters of recommendation to Dr. Guillaume Lettre, Montreal Heart Institute, Research Centre (6<sup>th</sup> floor), 5000 Rue Bélanger, Montréal, Québec, H1T 1C8, Canada, or by email ([guillaume.lettre@umontreal.ca](mailto:guillaume.lettre@umontreal.ca)).