

Patricia Goerner-Potvin

Ph.D. Student - Human Genetics

patricia.goerner-potvin@mail.mcgill.ca

Education

2015–2020	PhD in Human Genetics <i>Bioinformatics</i> , Dr. Guillaume Bourque group	McGill University, Genome Center
2014	Graduate Certificate <i>Bioinformatics</i>	McGill University
2011–2014	Masters of Science <i>Microbiology, Bacterial Molecular Genetics</i> , Dr. Brian Driscoll group	McGill University, MacDonald Campus
2008–2011	Bachelor of Science in Agr. and Envir. Sciences <i>Major in Microbiology, Biotechnology option</i>	McGill University, MacDonal Campus

Awards

2018	Keystone Symposia Future of Science Fund scholarship	Keystone Symposia
2015–2018	FRSQ - Doctoral Training	Government of Quebec
2012, 2015	Principal's Student Athlete Honour Roll	McGill University
2013	Graduate Research Enhancement and Travel Award	McGill University
2012	Grad Excellence Award in Natural Resource Sciences	McGill University
2011	Graduate Excellence Fellowship	McGill University
2011	Girvin-Robertson Convocation Price in Microbiology	McGill University
2009	Undergraduate Research Award - Natural Resource Sciences	McGill University

Professional Experience

Research Roles

2014–2015	Dr. Guillaume Bourque <i>Casual Research Assistant</i> : Tool development for Human L1 insertions	McGill University and Genome Quebec Innovation Center
2010–2011	Dr. Lyle Whyte <i>Undergraduate Research</i> : Characterization of psychrophilic microorganisms	McGill University, MacDonald Campus

Leadership Roles

2013–2014	G.U.E.P.E. - NGO for Environmental and Scientific Education <i>Naturalist</i> Teaching and creating educational scientific content for school workshops	Montreal, Quebec
2012–2013	McGill University <i>Teaching Assistant</i> : Introduction to microbiology, Bacterial Molecular Genetics	Sainte-Anne-de-Bellevue, Qc
2011	City of Montreal <i>Admnistrator</i> Managing a team of 14 employees at a public outdoor pool	Montreal, Qc

Community Involvement

2017–2018	HGSS Council <i>VP Communication</i> Website and social media accounts management	McGill University
2017	Canadian Human and Statistical Genetics Meeting <i>Volunteer</i> Recruiting sponsors and assisting with daily conference activities	Quebec, Qc
2017	CIHR - Gene Researcher for a Week <i>Reviewer</i> Evaluating candidates applications	Montreal, Qc
2015–2017	HGSS Council <i>VP Internal</i> Organizing academic and social events for Human Genetics grad students	McGill University
2015	ExpoSciences: Regionals and Provincials <i>Judge</i> Evaluating student's projects and providing constructive feedback	Montreal, Qc
2013	AbGradCon <i>Organizer</i> Organizing a graduate student international scientific conference	Montreal, Qc
2011–2016	McGill Varsity Rowing <i>VP Internal 2011-2012</i> Organizing events for athletes of the McGill University Rowing Team	McGill University
2011–2013	PGSS <i>Councilor</i> Representing graduate students of the Natural Resource Sciences	McGill University
2011–2012	Saint John's Ambulance <i>Corporal</i> of Training and Internal Teams	Montreal, Qc
2007–2008	Scouts Canada <i>Assistant Leader</i> : Teaching outdoors and life skills to children age 11-14	Deux-Montagnes, Qc

Publication and Presentations

2017	Short Talk and Poster Detecting Germline and Novel L1 Insertions in Human Genomes	Human Genetics Research Day, McGill University
2017	Presentation Selective Novel Insertion Finder (SNIF)	TEGeneReg Meeting, Barbados
2016	Paper Hocking, T. D., Goerner-Potvin, P. , Morin, A., Shao, X., Pastinen, T., Bourque, G. (2016). Optimizing ChIP-seq peak detectors using visual labels and supervised machine learning. <i>Bioinformatics</i> , btw672	Bioinformatics
2015	Lightning Talk Presented the pipeline I developed in my internship with Dr. Guillaume Bourque	FASEB Conference, Florida USA
2015	Presentation SNIF - A bioinformatics method to detect transposable elements insertions	Montreal Genomics Meeting, Qc
2013–2016	Posters Presented research product of master's and PhD at various conferences	CSM, IUMS, FASEB, ISME, ESHG, CSHG

Interests

Academic: Genomics, human genetics, bioinformatics, transposable elements, neuroscience, microbiology
Personal: Outdoors, urban horticulture, sustainability, music, mental health, technologies, rowing