



McLaughlin Centre 2012 Accelerator Grant Competition Awards

	Project Title	Applicants	Affiliation
1	Whole Exome Sequencing in Obsessive-Compulsive Disorder	Paul Arnold (PI) Gregory Hanna, Peggy Richter, James Kennedy	The Hospital for Sick Children, Sunnybrook Hospital, Centre for Addiction and Mental Health, University of Michigan
2	Delineating novel causal mutations for major cardiac malformations	Anne Bassett (PI) Candice Silversides	Centre for Addiction and Mental Health, Toronto General Hospital
3	Genomic and functional analysis of the intestinal microbiome in Type 1 Diabetes – acceleration of therapeutic disease intervention with defined commensal bacteria	Jayne Danska (PI) Philippe Poussier, John Parkinson, Thomas Thompson	The Hospital for Sick Children, Sunnybrook Hospital, Institut Rosell-Lallemand
4	The role of single nucleotide polymorphisms of iron regulatory genes in chronic kidney disease and cancer treatment induced anemia susceptibility and response to therapy	Carlo De Angelis (PI) Joo-Joung Ko, Michelle Hladenuwih, Rulan Parekh	Sunnybrook Hospital, The Hospital for Sick Children, University Health Network
5	Identifying Genomic Determinants Associated with Ketamine Neurotoxicity in Young Children: a PAINT (Pediatric Anesthesia-Induced Neurotoxicity) accelerator study	Yaron Finkelstein (PI) Jamie Hutchison, Kathy Boutis, Martin Post, Sulpicio Soriano, Richard B Kim	The Hospital for Sick Children, University of Toronto, University of Western Ontario, Children's Hospital Boston
6	Jumpstarting clinical implementation of pharmacogenetics in the treatment of alcohol use disorders	Christian Hendershot (PI) Bernard Le Foll, Daniel Mueller, Jürgen Rehm, James Kennedy, Daniela Lobo, Peter Selby	Centre for Addiction and Mental Health, University of Toronto
7	Discovery of genetic abnormalities associated with male infertility	Keith Jarvi (PI) Elena Kolomietz	Mount Sinai Hospital
8	Exome sequencing in Primary Ciliary Dyskinesia	Raymond Kim (PI) Sharon Dell, David Hall	The Hospital for Sick Children, St. Michael's Hospital
9	Predictive Biomarkers of Preeclampsia	Stephen Lye (PI) John Kingdom, Isabella Caniggia, John Kingdom, Suzanne Tough, Andrew Lyon, Donna Slater	Mount Sinai Hospital, University of Calgary
10	Identifying the genes for the prototypical and most common generalized and focal epilepsies of children through whole exome sequencing	Berge Minassian (PI) Danielle Andrade	The Hospital for Sick Children, University Health Network
11	Burden of exposure: an Epigenome-wide exploration	Zdenka Pausova (PI) Tomas Paus, Luigi Bouchard	The Hospital for Sick Children, Rotman Research Institute, University of Sherbrooke
12	Identification of Novel Iron-Sulphur Cluster Assembly Gene Defects by Exome Sequencing	Brian Robinson (PI) Andreas Schulze	The Hospital for Sick Children
13	Next Generation Diagnostics: Advancing the Clinical Application of Genomic Analysis	Tracy Stockley (co-PI) Jordan Lerner-Ellis (co-PI) Peter Ray	The Hospital for Sick Children, Mount Sinai Hospital
14	Identifying cis-acting events associated with Schizophrenia by mapping allele-specific expression	Derek van der Kooy (PI) Tomas Babak, Anne Bassett	University of Toronto, Centre for Addiction and Mental Health, Stanford University
15	Screening for mutations in non-syndromic autosomal recessive intellectual disability genes in a non-consanguineous population	John Vincent (PI) Melissa Carter, James Stavropoulos	Centre for Addiction and Mental Health, The Hospital for Sick Children