

**2016 Accelerator Grant Awardees**

	<b>Project Title</b>	<b>Investigator(s)<sup>1</sup></b>	<b>Institution(s)<sup>2</sup></b>
01	<b>Linking Genomics and Health Trajectories (LIGHT) for Dementia Research</b>	<b>Geoffrey Anderson (PI)</b> Nathan Herrmann David Naylor Peter St. George-Hyslop	<b>University of Toronto</b> Sunnybrook Health Sciences Centre
02	<b>Molecular Diagnosis in Adult-onset Familial and Sporadic Focal and Segmental Glomerulosclerosis (FSGS)</b>	<b>Moumita Barua (PI)</b> Andrew Paterson Michelle Hladunewich	<b>University Health Network</b> The Hospital for Sick Children Sunnybrook Health Sciences Centre
03	<b>Whole genome sequencing to uncover the genetic architecture of familial schizophrenia</b>	<b>Anne Bassett (PI)</b> Chelsea Lowther Gregory Costain Erik Boot Christian Marshall Daniele Merico Lisa Strug	<b>Centre for Addiction and Mental Health</b> University of Toronto University Health Network Deep Genomics The Hospital for Sick Children
04	<b>Genomics ADvISER: A genomics decision AiD on Incidental SEquencing Results</b>	<b>Yvonne Bombard (PI)</b> Kevin Thorpe Andreas Laupacis Adena Scheer Nancy Baxter Michael Evans Jordan Lerner-Ellis Nicholas Watkins Raymond Kim Christine Elser	<b>St. Michael's Hospital</b> Mount Sinai Hospital University Health Network
05	<b>New Approaches to Identification of Novel Rare Variants in Early-onset Breast Cancer</b>	<b>Shelley Bull (PI)</b> Irene Andrulis Peter Ray Adam Shlien	<b>Mount Sinai Hospital</b> The Hospital for Sick Children
06	<b>An Investigation of Clinically Relevant Genomic Variations in Spastic Diplegic Cerebral Palsy</b>	<b>Darcy Fehlings (PI)</b> Richard Wintle	<b>Bloorview Research Institute</b> The Hospital for Sick Children
07	<b>Genetics of Leiomyosarcoma - are there distinct subtypes?</b>	<b>Rebecca Gladdy (PI)</b> Adam Shlien Brendan Dickson	<b>Mount Sinai Hospital</b> The Hospital for Sick Children
08	<b>Whole Genome and Exome Sequencing for Gene Discovery in Gene-Elusive Sudden Death Syndromes</b>	<b>Michael Gollob (PI)</b>	<b>University Health Network</b>
09	<b>Addressing workforce issues required to support genomic medicine: proposal to increase genetic counselling matriculates at the University of Toronto</b>	<b>Howard Lipshitz (PI)</b> <b>Cheryl Shuman (PI)</b> David Chitayat Riyana Babul-Hirji Susan Armel	<b>University of Toronto</b> The Hospital for Sick Children Mount Sinai Hospital University Health Network



10	<b>Identifying Genetic Bases of Intractability in Epilepsy</b>	<b>Berge Minassian (PI)</b> Danielle Andrade Peter Cossette	<b>The Hospital for Sick Children</b> University Health Network CHUM-University of Montreal
11	<b>A Study of Diagnostic Utility of Whole Genome Sequencing (WGS) in Prenatal Diagnosis</b>	<b>Abdul Noor (PI)</b> James Stavropoulos Elena Kolomietz Christian Marshall David Chitayat Karen Chong Maian Roifman Patrick Shannon George Charames	<b>Mount Sinai Hospital</b> The Hospital for Sick Children
12	<b>Identifying rare variants in Dup7q11.23-related ASD using whole genome sequencing</b>	<b>Lucy Osborne (PI)</b> Ryan Yuen	<b>University of Toronto</b> The Hospital for Sick Children
13	<b>Assessing Whole Genome Sequencing Copy Number Detection for Clinical Diagnostics</b>	<b>James Stavropoulos (PI)</b> <b>Christian Marshall (PI)</b> Adam Shlien Lianna Kyriakopoulou Raveen Basran Peter Ray	<b>The Hospital for Sick Children</b>
14	<b>Validation of Structural Variants in Medulloblastoma Using Long-Read Sequencing Technology</b>	<b>Michael Taylor (PI)</b> John McPherson	<b>The Hospital for Sick Children</b> University of California, Davis
15	<b>Developing an Essential Epigenetic Resource: DNA Methylation Profiling of White Blood Cell DNA in Pediatric Controls</b>	<b>Rosanna Weksberg (PI)</b> Evdokia Anagnosotou John McLaughlin Darci T Butcher Sanaa Choufani Cheryl Cytrynbaum	<b>The Hospital for Sick Children</b> Bloorview Research Institute Public Health Ontario

<sup>1</sup> Bold indicates Lead or Co-Lead Principal Investigator (PI)<sup>2</sup> Bold indicates Lead Institution