



2020 Accelerator Grant Awardees

	Project Title	Investigator(s) ¹	Institution(s) ²
0:	Scalable computational methods for predicting phenotype	Gary Bader (PI)	University of Toronto
	from very large cohorts	Charile Boone	Y
	Conomo viido cell fues DNA methylation coguencina es e	Mamatha Bhat (PI) Daniel De Carvalho	University Health Network
02	Genome-wide cell-free DNA methylation sequencing as a Novel Screening Tool for Non-Alcoholic Steatohepatitis	Trevor Pugh	
	Novel Screening 1001 for Non-Alcoholic Steatonepatitis	Keyur Patel	
		Yvonne Bombard (PI)	St. Michael's Hospital
		Robin Hayeems (PI)	The Hospital for Sick Children
		Muhammad Mamdani	Mount Sinai Hospital
		Kevin Thorpe	University of Toronto
	The Personalized Genomics Platform for Patient Centred	Melyssa Aronson	
		Hanna Faghfoury	
		June Carroll	
		Jordan Lerner-Ellis	
03	Care: The development and evaluation of a patient facing	Michael Brudno	
	e-health platform for precision medicine	Emily Seto	
		Lauren Chad	
		Ronald Cohn	
		Rebekah Jobling	
		Eriskay Liston	
		Christian Marshall	
		Cheryl Shuman Wendy Ungar	
		Elemi Breetvelt (PI)	The Hospital for Sick Children
	Improving genetic risk models for severe mental illness	Daniele Merico	Deep Genomics
04	using a novel genetic method: A proof of principle study	Jacob Vorstman	beep denomies
	and the second s	Peter Szatmari	
		Gregory Costain (PI)	The Hospital for Sick Children
		Julia Orkin	Canada's Genomics Enterprise
		Robin Hayeems	(CGEn)
U.	Building capacity for genomic medicine and discovery in children with medical complexity	Michael Wilson	
0.		James Dowling	
		Miriam Reuter	
		Ryan Yuen	
	Whale and an arrangement of the still and the	Christian Marshall	II. in a seiter II a slab Natura da
06	Whole genome sequencing to investigate the etiology of obesity and response to bariatric surgery	Satya Dash (PI) Andrew Paterson	University Health Network The Hospital for Sick Children
	obesity and response to barratife surgery	Sean Hill (PI)	Centre for Addiction and Mental
	BrainHealth Databank: Building a Longitudinal	Stefan Kloiber	Health
07	Depression Repository Featuring Integrated Clinical and	Shreejoy Tripathy	University of Toronto
	Genomic Data	Daniel Felsky	
		Joanna Yu	
		Linda Hiraki (PI)	The Hospital for Sick Children
		Ronald Laxer	St. Michael's Hospital
		Christian Marshall	McMaster University
O8	Genetics of monogenic systemic inflammatory disease	Dilan Dissanayake	London Health Sciences Centre
	(SID)	Robert Rottapel	Children's Hospital of Eastern
		Johannes Roth	Ontario
		Michelle Battish	
	1	Roberta Berard	

			Chairle Manchall (DI)	mb . H
			Christian Marshall (PI)	The Hospital for Sick Children
	_	Harnessing multi-omics to deliver innovative diagnostic	Michael Brudno	Children's Hospital of Eastern
0		care for rare genetic diseases in Canada (C4R-SOLVE)	James Dowling	Ontario
		care for fare genetic discuses in canada (CTR 50212)	Robin Hayeems	
			Kym Boycott	
10		Identifying rare and common variants related to cognitive	Lucy Osborne (PI)	University of Toronto
		and behavioural phenotypes of 7q11.23 CNV using whole	Ryan Yuen	The Hospital for Sick Children
		genome sequencing	Beth Kozel	US NIH/NHBLI
		<u> </u>	Carolyn Mervis	U of Louisville
1		Analysis of Whole Genome Sequencing data from the SABE		U of Toronto Mississauga
_	_	population-based cohort from Brazil	Michel Naslavsky	U of Sao Paulo
		Investigation of enigenetic clock in Parkinson's Disease	Ekaterina Rogaeva (PI)	University of Toronto
			Paulina Gonzalez-Latapi	University Health Network
1	Investigation of epigenetic clock in Parkinson's Disease and rapid eye movement sleep behavior disorder	Anthony Lang	McGill University	
		and rapid eye movement sleep behavior disorder	Ziv Gan-Or	
			Ronald Postuma	
		Functional epigenomics can improve molecular diagnostics and create translational opportunities for the	Rosanna Weksberg (PI)	The Hospital for Sick Children
1			Miriam Reuter	Bloorview Research Institute
1		MSSNG Autism Cohort	Evdokia Anagnostou	Canada's Genomics Enterprise
		M35NG AUGSIII COIIOI C	Cheryl Cytrynbaum	(CGEn)
			France Gagnon (PI)	University of Toronto
			Lei Sun (PI)	Mount Sinai Hospital
			Vanessa Goncalves	The Hospital for Sick Children
			Laurent Briollais	Centre for Addiction and Mental
		A unified polygenic risk score analytics platform for risk	Linbo Wang	Health
1		prediction, causal inference and discovery	Andrew Paterson	
		prediction, causar inference and discovery	Shelley Bull	
			Lisa Strug	
			Dehan Kong	
			Qiang Sun	
			Jennifer Brooks	
			Robyn Lee (PI)	University of Toronto
			Allison McGeer (PI)	Mount Sinai Hospital
				Public Health Ontario
			Samir Patel	Public Health Agency of Canada
			Michael Mulvey	University Health Network
	Protecting patients from carbapenemase-producing ENterObacter cloacae: Using Genomics to understand prevent transmission in Hospitals (ENOUGH)			North York General Hospital
			Tony Mazzulli	Toronto East Health Network
			Mark Downing	Lakeridge Health
			Matthew Muller	William Osler Health Centre
			Jennie Johnstone	Sunnybrook Health Sciences
1		prevent transmission in Hospitals (ENOUGH)	Susan Poutanen	Centre
			Wayne Gold	
			Kevin Katz	
			Jeff Powis	
			Daniel Ricciuto	
			David Richardson	
			Mahin Baqi	
			Sergio Borgia	
			Andrew Simor	
			Samira Mubareka	
			Robert Kozak	

 $^{^{\}rm l}$ Bold indicates Lead or Co-Lead Principal Investigator (PI) $^{\rm l}$ Bold indicates Lead Institution