



INTERNATIONAL GENETIC EPIDEMIOLOGY SOCIETY

25th Annual Meeting & Celebrations Toronto, Canada



Sunday, October 23rd 2016

12:00 - 5:00 PM	IGES Education Committee Meeting (Lunch provided)	Rosedale
6:00 PM	Distillery District Walking Tour (Ticket holders)	30 Gristmill Lane (Starting point)

Monday, October 24th 2016

10:00 - 5:00 PM	DLSPH/ICES - IGES Educational Workshop	Dominion South
9:30 - 10:00 AM	Morning Coffee & Networking Please see Workshop Program for details	Dominion Foyer
5:00 - 7:00 PM	IGES Board Meeting (Dinner provided)	Roosevelt
7:00 - 8:00 PM	Welcome Reception: Joint Educational Workshop Participants and IGES delegates	Provincial Foyer

Tuesday, October 25th 2016

7:30 - 8:30 AM	CARTaGENE-sponsored Breakfast	Dominion Foyer
7:30 - 8:30 AM	Publication Committee Meeting	MacKenzie
8:30 - 9:00 AM	Welcome and Presidential Address	Gagnon (Canada) Dupuis (USA)
9:00 - 10:00 AM	Scientific Session #1: Correlated and multi-trait phenotypes	Dominion Ballroom
9:00 - 9:15 AM	<ul style="list-style-type: none"> Constrained instrumental variable approach and its application to Mendelian randomization with Pleiotropy 	Jiang (Canada) [§]
9:15 - 9:30 AM	<ul style="list-style-type: none"> Test to identify co-localization of genetic association signals across multiple traits using summary statistics 	Foley (UK) [§]
9:30 - 9:45 AM	<ul style="list-style-type: none"> Bayesian meta-analysis for cross-phenotype genetic association study 	Majumdar (USA) [§]
9:45 - 10:00 AM	<ul style="list-style-type: none"> Assessing the genetic effect mediated through gene expression from summary eQTL and GWAS data 	Barfield (USA) [#]
10:00 - 11:30 AM	Poster Session # 1 and Illumina Travel Awards Presentation	Provincial Ballroom
11:30 - 1:00 PM	Scientific Session #2: Challenges in data pre-processing pipelines and study power considerations	Jones (Australia) Tintle (US) Dominion Ballroom
11:30 - 12:00 PM	<p>Keynote: Detecting and correcting for sample contamination in DNA and RNA sequencing studies</p>	Boehnke (USA)
12:00 - 12:15 PM	<ul style="list-style-type: none"> Type 1 probes on the Illumina methylation array are systematically biased to more extreme methylation values 	Zwingerman (Canada) [#]
12:15 - 12:30 PM	<ul style="list-style-type: none"> Simplified power calculations for rare variant association tests and implications for association studies 	Derkach (USA) [§]
12:30 - 12:45 PM	<ul style="list-style-type: none"> Why real biological interactions are usually not detectable in genetic association studies 	Kodaman (USA) [§]
12:45 - 1:00 PM	<ul style="list-style-type: none"> TreeLMM: Modeling heterogeneity of genetic effects 	Moore (UK)

Tuesday, October 25th 2016

1:00 – 2:15 PM	Lunch (on your own)	
1:00 – 2:15 PM	Young Investigator Luncheon (Ticket holders, lunch provided)	City Hall
1:00 – 2:15 PM	Communications Committee Meeting (Lunch provided)	MacKenzie
2:15 – 3:45 PM	Scientific Session #3: Informing drug development and clinical interventions	Gagliano (US) Paré (Canada) Dominion Ballroom
2:15 - 2:45 PM	Keynote: At last, one size does not fit all: Progress meets practicality in translating genetics into new medicines • Genomics of lipid metabolism:	Cardon (USA)
2:45 - 3:00 PM	Identifying novel causal pathways and new therapeutic targets for reducing risk of coronary heart disease • Calibration testing for survival models at the extremes of risk: implications of unobserved genetic interactions	Harshfield (UK) [#]
3:00 - 3:15 PM	• Using data-driven approaches to address clinical heterogeneity in complex traits using COPD	Soave (Canada) [#]
3:15 - 3:30 PM	• Quantifying treatment benefit in molecular subgroups to assess a predictive biomarker	Basile (USA) [#]
3:30 - 3:45 PM		Satagopan (USA)
3:45 – 4:00 PM	Break	Dominion Foyer
4:00 – 5:30 PM	Scientific Session #4: Next generation sequencing applications and methods	Chen (US) Morris (UK) Dominion Ballroom
4:00 - 4:30 PM	Keynote: Moving the genome to the clinic • A new method for genetic region association testing with massively different sequencing depths of coverage	Jarvik (USA)
4:30 - 4:45 PM	• Kinship estimation based on extremely low-coverage sequencing data	Hendricks (USA)
4:45 - 5:00 PM	• Testing of parent-of-origin effect in eQTL mapping using RNA-seq data	Wang (Singapore)
5:00 - 5:15 PM	• Recessive selection in complex disease: implications for variant discovery and disease architecture	Xiao (USA)
5:15 - 5:30 PM		Do (USA)

Tuesday, October 25th 2016

5:30 – 6:30 PM	Job Fair	Provincial Foyer
6:30 – 7:30 PM	Jazz Cocktail Reception	Dominion Foyer
7:30 – 10:00 PM	Regeneron-sponsored 25th Anniversary IGES Banquet and Awards Presentation	Dominion Ballroom

Wednesday, October 26th 2016

7:30 – 8:30 AM	Breakfast	Dominion Foyer
7:30 – 8:30 AM	ELSI Committee Meeting	MacKenzie
8:30 – 10:00 AM	Scientific Session #5: Ethnic diversity in association studies	Mondal (India) Satagopan (US) Dominion Ballroom
8:30 - 9:00 AM	Keynote: Breast cancer genetics and public policy • Novel genome-wide sequence variants influence antibody response to Epstein-Barr Virus in an African population	Narod (Canada)
9:00 - 9:15 AM	• Population differences in burden of fibroproliferative risk-increasing alleles support selection as a cause for racial disparities	Sallah (UK) [#]
9:15 - 9:30 AM	• Novel locus discovery through trans-ethnic association analyses of glycemic traits using densely imputed genetic data	Hellwege (USA) [§]
9:30 - 9:45 AM	• Investigating fine-scale population structure in the UK Biobank	Marenne (UK) [§]
9:45-10:00 AM		Cook (UK) [§]
10:00 – 11:30 AM	Poster Session #2 & Academia Sponsored Travel Awards Presentation	Provincial Ballroom

Wednesday, October 26th 2016

11:30 – 1:00 PM	Scientific Session #6: Exposomics	Blue (US) Scherag (Germany) Dominion Ballroom
11:30 - 12:00 PM	Keynote: Exposomics: lifestyle, chemical, physical and social exposures	Schwartz (USA)
12:00 - 12:15 PM	<ul style="list-style-type: none"> A model for interpretable high dimensional interactions 	Bhatnagar (Canada) [#]
12:15 - 12:30 PM	<ul style="list-style-type: none"> Investigating DNA methylation as a marker for historical smoke exposure and a mediator of disease risk 	Richmond (UK) [§]
12:30 - 12:45 PM	<ul style="list-style-type: none"> A general framework for association analysis of microbial community on a taxonomic tree 	Tang (USA)
12:45 - 1:00 PM	<ul style="list-style-type: none"> Hierarchical Bayesian modeling of mediation by high-dimensional omics data 	Thomas (USA)
1:00 – 2:15 PM	Lunch (on your own)	
1:00 – 2:15 PM	Young Investigators Committee Meeting (Lunch provided)	MacKenzie
1:00 – 2:15 PM	Program Committee Meeting (Lunch provided)	Roosevelt
2:15 – 3:45 PM	Scientific Session #7: Progress in common disease genetics	Shete (US) Wang (China) Dominion Ballroom
2:15 - 2:45 PM	Keynote: Discovery of genetic variants for cardiometabolic disease: lessons from population sequencing	Soranzo (UK)
2:45 - 3:00 PM	<ul style="list-style-type: none"> 2015 <i>Genetic Epidemiology</i> BEST PAPER 	
3:00 - 3:15 PM	<ul style="list-style-type: none"> Evidence of hybrid vigor in a human population from PheWAS 	Edwards (USA)
3:15 - 3:30 PM	<ul style="list-style-type: none"> UK Biobank GWAS identifies over 100 novel variants associated with blood pressure 	Evangelou (UK)
3:30 - 3:45 PM	<ul style="list-style-type: none"> Genome-wide association study identifies novel loci for asthma in the UK Biobank 	Grant (Canada)
3:45 – 4:00 PM	Break	Dominion Foyer

4:00 – 5:00 PM	IGES Business Meeting and Awards Presentation (<i>Genetic Epidemiology</i> sponsored Neel & Williams Awards, and <i>CIHR STAGE</i> Best Poster Awards)	Dominion Ballroom
6:00 PM	Distillery District Walking Tour (Ticket holders)	30 Gristmill Lane (Starting point)
6:00 – 8:30 PM	SAS Young Investigators Led Mixer (Ticket holders)	280 King St E.

[§]Neel award nominee

[#]Williams award nominee

DLSPH: Dalla Lana School of Public Health; ICES: Institute for Clinical Evaluative Sciences

Many thanks to the IGES 2016 meeting sponsors:

