



**Third Annual Canadian Human Genetics Meeting
 April 18-21, 2010**

Manoir Saint-Sauveur
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 Saint-Sauveur
 (Québec) Canada
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 Phone Toll-Free: 1-800-361-0505

Sunday April 18, 2010		
4:00 – 7:30 pm	Registration	Hotel Foyer
4:00 – 7:30 pm	Poster Set-up Edelweiss and Chamonix Rooms	
6:00 pm	Buffet Dinner <i>(Cash bar)</i>	Matterhorn
DAY 1		Everest
7:30 – 7:40 pm	Welcome and Introductory Remarks <i>Co-Chairs:</i> Dr. Guy Rouleau (<i>Université de Montréal</i>) Dr. Philippe Gros (<i>McGill University</i>)	
7:45 – 9:00 pm	Keynote Presentation I Chair: Dr. Guy Rouleau (<i>Université de Montréal</i>) Patterning of the vertebrate spine Dr. Olivier Pourquié (<i>Institute of Genetics and Molecular and Cellular Biology</i>) <i>(60 min. + 15 min.)</i>	
9:00 – 10:30 pm	Poster Session I <i>Edelweiss and Chamonix Rooms</i>	

Monday April 19, 2010		
7:00 – 8:30 am	Buffet Breakfast	Matterhorn
DAY 2		Everest
8:30 – 8:35 am	Welcome Back and Announcements <i>Chair: Dr. Guy Rouleau (Université de Montréal)</i>	
8:35 – 10:05 am	Plenary Session: Developmental Genetics <i>Chair: Dr. Jacques Michaud (Université de Montréal)</i> A C. elegans Model for Ciliopathy <i>Dr. Mei Zhen (University of Toronto)</i> Development mechanisms underlying Congenital Anomalies of the Kidney and Urinary Tract (CAKUT) <i>Dr. Maxime Bouchard (McGill University)</i> Alternative Splicing Networks in Nervous System Development and Disease <i>Dr. Benjamin Blencowe (University of Toronto)</i> (20 min. + 10 min. each)	
10:05 – 10:35 am	Abstract Presentations The Inositol Polyphosphate Phosphatase 4B, a Novel Genetic Component of Osteoporosis Dr. Jean Vacher (Institut de recherches cliniques de Montréal) Role of the Prader-Willi obesity protein MAGEL2 in the generation and maintenance of circadian rhythm Miss Sara Weselake (University of Alberta) TBC (10 min. + 5 min. each)	
10:35 – 11:00 am	Health Break <i>Sponsored by:</i>	Foyer Everest
11:05 am – 12:35 pm	Plenary Session: High Throughput Genomics and Computational Biology <i>Chair: Dr. Marco Marra (University of British Columbia)</i> Complete genome sequencing to identify oncogenic mutations <i>Dr. Steven Jones (BC Cancer Research Centre)</i> Medical mysteries and genomic sleuthing <i>Dr. Cornelius Boerkoel (University of British Columbia)</i> The Genetic Landscape of a Cell <i>Dr. Brenda Andrews (University of Toronto)</i> (20 min. + 10 min. each)	
12:35 – 1:05 pm	Abstract Presentations Variation in microRNA regulation among human populations Dr. Zhaolei Zhang (University of Toronto) Identification of specific RNA isoforms of pagetic osteoclasts in Paget's disease of bone Dr. Laetitia Michou (Université Laval) (10 min. + 5 min. each)	

Monday April 19, 2010

Day 2 Continued

1:05 – 2:30 pm	Buffet Lunch	Matterhorn
2:30 – 4:00 pm	Plenary Session: Structural Biology <i>Chair: Dr. Aled Edwards (Structural Genetics Consortium)</i> Large-scale Structural Biology of Inherited Human Metabolic Diseases <i>Dr. Udo Oppermann (University of Oxford)</i> Targeting Defects in BMP/TGFbeta Signalling <i>Dr. Alex N. Bullock (SGC Oxford)</i> Open access clinical probes <i>Dr. Aled Edwards (Structural Genetics Consortium)</i> <i>(20 min. + 10 min. each)</i>	
4:00 – 4:30 pm	Molecular Pathology: Abstract Presentations Identification of rare variants in individuals with autism spectrum disorder or schizophrenia during a systematic resequencing of X-linked synaptic genes <i>Dr. Amelie Piton (CENUM, Université de Montréal)</i> Mmachc is Required for Mouse Embryonic Development <i>Ms. Mihaela Pupavac (McGill University)</i> <i>(10 min. + 5 min. each)</i>	
4:30 – 4:45 pm	Population Genetics- Recent Work: Abstract Presentation Female to male breeding ratio in modern humans – new genomic approach <i>Dr. Damian Labuda (Sainte-Justine University Hospital Centre)</i>	
6:00 – 7:30 pm	Buffet Dinner	
7:45 – 9:00 pm	Keynote Presentation II <i>Chair: Dr. Roderick McInnes (McGill University)</i> Gene therapy for retinal degeneration: a vision for the future <i>Dr. Robin Ali (University College London)</i> <i>(60 min. + 15 min.)</i>	
9:00 – 10:30 pm	Poster Session II <i>Edelweiss and Chamonix Rooms</i>	

Tuesday April 20, 2010		
7:00 – 8:00 am	Buffet Breakfast	Matterhorn
DAY 3		Everest
8:00 – 8:05 am	Welcome Back and Announcements <i>Chair: Dr. Guy Rouleau</i>	
8:05 – 9:35 am	Plenary Session: Epigenetics and Non-coding RNA's <i>Chair: Dr. Arturas Petronis (University of Toronto)</i> <i>The Multifaceted Human Transcriptome</i> <i>Dr. Philipp Kapranov (Helicos BioSciences Corporation)</i> <i>Identification of a Histone Methyltransferase Required for Retroviral Silencing in Embryonic Stem Cells</i> <i>Dr. Matthew Lorincz (University of British Columbia)</i> (20 min. + 10 min. each) <i>Epigenomics of Complex Disease</i> <i>Dr. Arturas Petronis (University of Toronto)</i>	
9:35 – 10:05 am	Abstract Presentations <i>Transcription Altering cis-Regulatory SNPs (cis-rSNPs) In The Human Genome Detected By Allelic Expression</i> Dr. Tony Kwan (McGill University) <i>The molecular signature of smoking in human lung tissues</i> Dr. Yohan Bossé (Université Laval) (10 min. + 5 min. each)	
10:05 – 10:35 am	Health Break Sponsored by:	Everest Foyer
10:35 am – 12:05 pm	Plenary Session: Molecular Pathogenesis of Disease <i>Chair: Dr. Michael Hayden (University of British Columbia)</i> <i>The Allelic Architectures of Common, Complex Disease</i> <i>Dr. John Brent Richards (McGill University)</i> <i>Genetically downregulated autophagy causes X-linked Myopathy with Excessive Autophagy</i> <i>Dr. Berge Minassian (University of Toronto)</i> <i>Hope in Balance – New Prospects for Treatment of Huntington's Disease</i> <i>Dr. Michael Hayden (University of British Columbia)</i> (20 min. + 10 min. each)	
12:05 – 12:35 pm	Abstract Presentations <i>Mutations in TRAPPC9 Cause Autosomal Recessive Non-Syndromic Mental Retardation</i> Miss Liana Kaufman (University of Toronto, CAMH) <i>Insights into Human Development from the Study of Autosomal Recessive Syndromes in a Canadian Isolated Population</i> <i>Dr. Kym Boycott (Children's Hospital of Eastern Ontario Research Institute)</i> (10 min. + 5 min. each)	

Tuesday April 20, 2010

Day 3 Continued

12:35 – 2:00 pm	Buffet Lunch	Matterhorn
2:00 – 4:30 pm	Workshop: New Technologies <i>Chair: Dr. Ken Dewar (McGill University)</i> Applied Biosystems Illumina Roche Agilent Rain Dance Technology Complete Genomics	
4:30 – 7:30 pm	Recreational Activities	
7:30 pm	Banquet Dinner and Dance	Matterhorn

Wednesday April 21, 2010		
7:00 – 8:00 am	Buffet Breakfast ***Check out starts***	Matterhorn
DAY 4		Everest
8:00 – 8:05 am	Welcome Back and Announcements <i>Chair: Dr. Guy Rouleau</i>	
8:05 – 9:35 am	Plenary Session: Stem Cells and Gene Therapy <i>Chair: Dr. Mick Bhatia (McMaster University)</i> <i>Understanding self renewal of blood stem cells</i> <i>Dr. Guy Sauvageau (University of Montreal)</i> <i>“Sink or Swim” - How the zebrafish took me from bedside to bench and back again</i> <i>Dr. Jason Berman (Dalhousie University)</i> <i>Evolving ways to alter cell fate towards therapy</i> <i>Dr. Mick Bhatia (McMaster University)</i> <i>(20 min. + 10 min. each)</i>	
9:35 – 9:50 am	Abstract Presentations <i>Ten year follow up of mortality in an arrhythmogenic right ventricular cardiomyopathy/dysplasia (ARVD5) cohort after ICD therapy: data for genetic counseling</i> Dr. Kathleen Hodgkinson (Memorial University) <i>(10 min. + 5 min. each)</i>	
9:50 – 10:05 am	Infectious Disease: Abstract Presentations <i>ENU Mutagenesis Reveals a Genetic Locus on Chromosome 7 That Mediates CVB3-Induced Pathology in Mice</i> Ms. Jenifer Marton (McGill University)	
10:05 – 10:20 am	<i>Identification and characterization of the genetic basis of Salmonella resistance / susceptibility in the recombinant congenic strains AcB61 and AcB60</i> Mr. Sean Beatty (McGill University) TBC	
10:20 – 10:50 am	Health Break Sponsored by:	Everest Foyer ***Checkout continues***

Wednesday April 21, 2010

Day 4 Continued

10:50 am – 12:20 pm	<p>Plenary Session: Genetics, Ethical Legal and Social Issues <i>Chair: Dr. Tim Caulfield (University of Alberta)</i></p> <p><i>From Certainty to Risk: Whither Communication?</i> <i>Dr. Bartha Knoppers (McGill University)</i></p> <p><i>Is genetic discrimination a cause for concern in Canada?</i> <i>Dr. Daryl Pullman (Memorial University)</i></p> <p><i>The Use of 'Race' in Population Genetic Research: Who Says What?</i> <i>Dr. Tim Caulfield (University of Alberta)</i> <i>(20 min. + 10 min. each)</i></p>
12:35 – 12:45 pm	Award Presentations
12:45 – 12:55 pm	Closing Remarks and Adjournment
1:30pm	Bus Departures – Boxed Lunches