

 	<p>Fourth Annual Canadian Human Genetics Meeting April 26-29, 2011</p> <p>Banff Conference Centre 107 Tunnel Mountain Drive Banff, Alberta T1L 1H5</p>
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Tuesday April 26, 2011

4:00 – 7:30 pm	Registration	Hotel Foyer
4:00 – 7:30 pm	Poster Set-up Kinnear Centre for Creativity and Innovation (Room 301 and 303)	
5:30 - 7:30 pm	Buffet Dinner (Cash bar)	Vistas Dining Room
DAY 1	Kinnear Centre for Creativity and Innovation	Room 103-5
7:30 – 7:45 pm	Welcome and Introductory Remarks Dr. Roy Gravel, Chair (<i>University of Calgary</i>) Dr. Paul Lasko (<i>CIHR, McGill University</i>) Ms. Tracy Zeisberger (<i>Canadian Gene Cure Foundation</i>)	
7:45 – 9:00 pm	Keynote Presentation I Chair: Dr. Guy Rouleau (<i>Université de Montréal</i>) Title: “Patterning of the vertebrate spine” Dr. Olivier Pourquié (<i>Institute of Genetics and Molecular and Cellular Biology (IGMCB), Université de Strasbourg</i>) <i>(60 min + 15 min)</i>	
9:00 – 10:30 pm	Networking/Mixer MacLab Bistro Cash Bar	

Wednesday April 27, 2011

7:00 – 8:30 am	Buffet Breakfast	Vistas Dining Room
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DAY 2	Kinnear Centre for Creativity and Innovation (KCCI) Room 103-5
8:30 – 8:35 am	Welcome Back and Announcements <i>Chair: Dr. Roy Gravel (University of Calgary)</i>
8:35 – 10:05 am	Plenary Session I: Gene Identification <i>Chair: Dr. Briget Fernandez (Memorial University)</i> Dr. Kym Boycott (Children’s Hospital of Eastern Ontario) Title: “FORGE Canada: Finding of Rare Disease Genes in Canada” Dr. Mike Bamshad (University of Washington) Title: “Exome sequencing as a tool for disease gene discovery” Dr. Mark Samuels (Université de Montréal) Title: “Gene discovery in the Maritimes: AMGGI success stories”
10:05 – 10:35 am	<i>(20 min + 10 min each)</i> Abstract Presentations <i>(10 min + 5 min each)</i>
10:35 – 11:00 am	Health Break KCCI 1st Floor Galleria
11:00 – 12:35 pm	Plenary Session II: Genomics and Computational Biology <i>Chair: Dr. Frederick Roth, Ph.D. (University of Toronto)</i> Dr. Frederick Roth (University of Toronto) Title: “Genome analysis reveals interplay between 5'UTR introns and nuclear mRNA export for secretory and mitochondrial genes” Dr. Fiona Brinkman (Simon Fraser University) Title: “Systems-level bioinformatics analysis applied to transcriptomic and SNP data” Dr. Paul Pavlidis (University of British Columbia) Title: “The impact of gene multifunctionality in computational genomics” <i>(20 min + 10 min each)</i>
12:35 – 1:05 pm	Abstract Presentations <i>(10 min + 5 min each)</i>

Wednesday April 27, 2011

Day 2 Continued

1:05 – 2:30 pm	Buffet Lunch	Vistas Dining Room
2:30 – 4:00 pm	Plenary Session III: Stem Cells and iPS <i>Chair: Dr. James Ellis (University of Toronto)</i>	
	Dr. Louise Laurent (UC San Diego and the Scripps Research Institute) Title: “Genetic and epigenetic instability in human pluripotent stem cells”	
	Dr. James Ellis (University of Toronto) Title: “iPS cell models of autism spectrum disorders”	
	Dr. Suneet Agarwal (Children’s Hospital Boston) Title: “Modeling rare genetic blood disorders using induced pluripotent stems cells” (20 min + 10 min each)	
4:00 – 4:30 pm	Abstract Presentations (10 min + 5 min each)	
4:35 – 5:50 pm	Kinnear Centre for Creativity and Innovation	Room 203-5
	Canadian Gene Cure Foundation Champions of Genetics Programme	
	Award Presentation and Cocktail Reception	
	Speaker: <i>Dr. Anny Fortin (Canadian Gene Cure Foundation)</i> Award Recipients - to be announced	
6:00 – 7:30 pm	Buffet Dinner	Vistas Dining Room
7:45 – 9:00 pm	Keynote Presentation II <i>Chair: Dr. Paul Lasko (CIHR, McGill University)</i>	
	Title: “RANKL - from bone loss to new medicine and breast cancer”	
	Dr. Josef Penninger (Institute of Molecular Biotechnology of the Austrian Academy of Sciences, Vienna) (60 min + 15 min)	
9:00 – 9:45pm	Poster Session I <i>KCCI 301/303</i>	
	Cash Bar with Chocolate Fountain	

Thursday April 28, 2011		
7:00 – 8:00 am	Buffet Breakfast	Vistas Dining Room
DAY 3		KCCI 103-5
8:00 – 8:05 am	Welcome Back and Announcements <i>Chair: Dr. Roy Gravel</i>	
8:05 – 9:35 am	Plenary Session IV: Genetics into Practice <i>Chair: Dr. David Rosenblatt (McGill University)</i> Dr. David Rosenblatt (McGill University) Title: “Genetics into practice - A RaDiCAL approach” Dr. Will Foulkes (McGill University) Title: “Cancer genetics in the clinic: Challenges, opportunities and future directions“ Dr. Michael Hayden (University of British Columbia) Title: “A grand challenge: Providing benefits of clinical genetics to those in need”	
9:35 – 10:05 am	<i>(20 min + 10 min each)</i> Abstract Presentations <i>(10 min + 5 min each)</i>	
10:05 – 10:35 am	Health Break	KCCI 1 st Floor Galleria
10:35 – 12:05 pm	Plenary Session V: Epigenetics (Thursday, April 28, 10:35 am) <i>Chair: Dr. Moshe Szyf (McGill University)</i> Dr. Randy Jirtle (University of North Carolina) Title: “Epigenetics: How genes and environment interact” Dr. Patrick McGowan (University of Toronto) Title: “The epigenomic signature of parental care later in life” Dr. Moshe Szyf (McGill University) Title: “The implications of a dynamic methylome to cancer diagnostics and cancer therapeutics” <i>(20 min + 10 min each)</i>	
12:05 – 12:35 pm	Abstract Presentations <i>(10 min + 5 min each)</i>	
Thursday April 28, 2011		
Day 3 Continued		
12:35 – 2:00 pm	Buffet Lunch	Vistas Dining Room
2:00 – 3:30 pm	Plenary Session VI: Ethical Challenges in Genetics Research <i>Chair: Dr. Fiona Miller (University of Toronto)</i>	

<p>3:30 – 4:00 pm</p>	<p>Dr. Vardit Ravitsky (Université de Montréal) Title: "Discussing individual results with research participants: ethical challenges"</p> <p>Dr. Fiona Miller (University of Toronto) Title: "Ensuant obligations: what is owed after reporting individual results to research participants"</p> <p>Dr. Jonathan Kimmelman (McGill University) Title: "Identifying genetic biomarkers in early stage trials: ethical challenges"</p> <p><i>(20 min + 10 min each)</i></p> <p>Abstract Presentations <i>(10 min + 5 min each)</i></p>
<p>4:00 – 5:45 pm</p>	<p>Technology Workshops TBA</p>
<p>6:00 – 6:45 pm</p>	<p>Poster Session II <i>KCCI 301/303</i></p> <p><i>Cash Bar</i></p>
<p>7:30 pm</p>	<p>Banquet Dinner KCCI 203/205</p>

Friday April 29, 2011	
7:00 – 8:00 am	Buffet Breakfast Vistas Dining Room ***Check out starts*** ***Posters to be taken down by 10:30 am ***
DAY 4 KCCI 103-5	
8:00 – 8:05 am	Welcome Back and Announcements <i>Chair: Dr. Roy Gravel</i>
8:05 – 9:35 am	Plenary Session VII: Model Organisms <i>Chair: Dr. Jim McGhee (University of Calgary)</i> Dr. Michel Leroux (Simon Fraser University) Title: "Uncovering the molecular aetiology of ciliopathies using <i>C. elegans</i>" Dr. Andrew Waskiewicz (University of Alberta) Title: "Zebrafish models of ocular disease: studies of retinal BMP signaling" Dr. Sarah Childs (University of Calgary) Title: "Using the zebrafish as a tool for understanding vascular integrity disorders" <i>(20 min + 10 min each)</i>
9:35 – 10:05 am	Abstract Presentations <i>(10 min + 5 min each)</i>
10:20 – 10:50 am	Health Break KCCI 1st Floor Galleria ***Checkout continues***

Friday April 29, 2011

Day 4 Continued

10:50 – 12:20 pm	<p>Plenary Session VIII: Molecular Pathogenesis of Disease <i>Chair: Dr. Michael Walter (University of Alberta)</i></p> <p>Dr. Michael Walter (University of Alberta) Title: "Basic cellular processes and common disease: defects in rRNA processing can cause glaucoma"</p> <p>Dr. Filip Van Petegem (University of British Columbia) Title: "Mutations in the Ryanodine Receptor: Crystallographic insights into malignant hyperthermia and cardiac arrhythmias"</p> <p>Dr. Christopher Pearson (Hospital for Sick Children) Title: "Somatic Repeat Instability, Epigenetics, Pathogenesis in Myotonic Dystrophy, and Treatment Avenues"</p> <p><i>(20 min + 10 min each)</i></p>
12:20 – 12:50 pm	<p>Abstract Presentations <i>(10 min + 5 min each)</i></p>
12:50 – 1:00 pm	<p>Award Presentations</p>
1:00 – 1:10 pm	<p>Closing Remarks and Adjournment</p>
1:30 pm	<p>Bus Departures – Boxed Lunches</p>